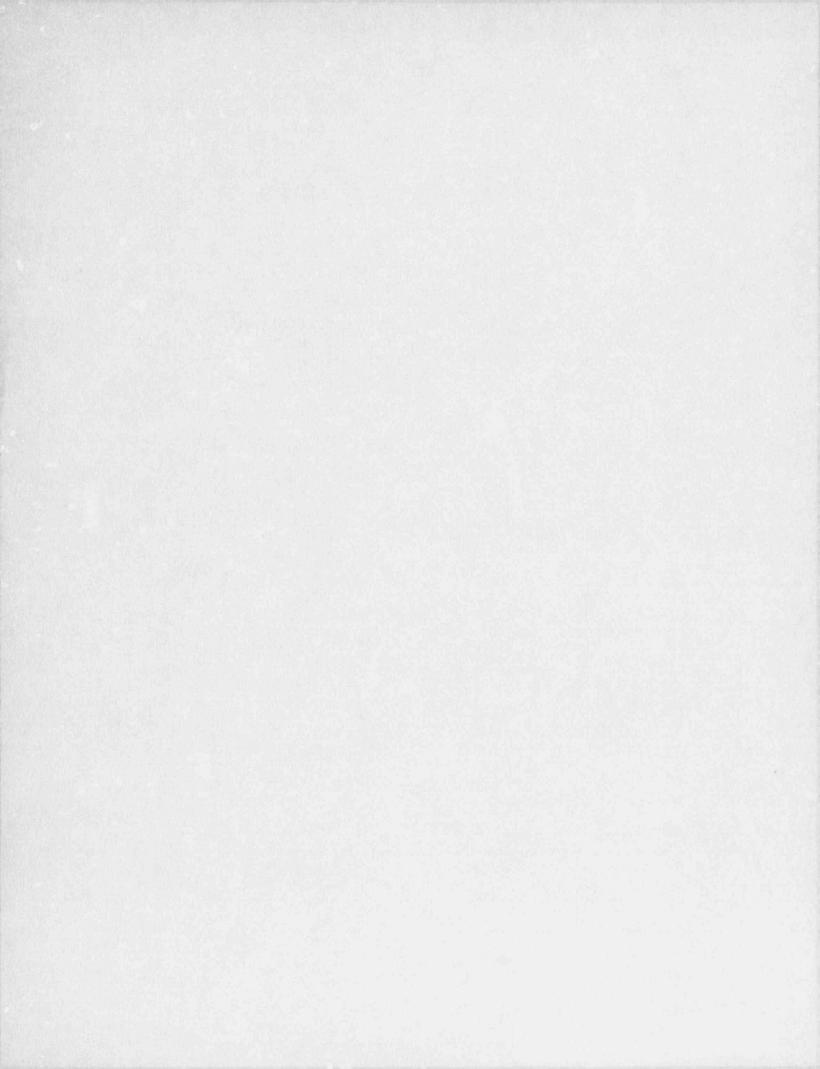
ATTACHMENT 1

1992 UNIT 1 STEAM GENERATOR INSPECTION OUTAGE INSERVICE INSPECTION SUMMARY REPORT

OWNER'S REPORT FOR INSERVICE INSPECTIONS

NORTH ANNA POWER STATION - UNIT 1

VIRGINIA ELECTRIC AND POWER COMPANY 9206110172 920601 PDR ADDCK 05000338 9 PDR



Docket Number 50-338 Serial Number 92-366 Attachment 1 Page 1 of 107

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

	and the second				entre para anticipatione de la construcción de		na na 1942 marte a cantacta a canta da las comencias portas en tanta e a cantacta da termina entenda e encanas non-incluita estas de canta e canta e descala de las cantas e positivo en el departe de termina en el m
1	Owner	Virginia I	Electric &	Power	Company,	5000 Glen	Dominion Blvd. Allen, VA 23060
			(Name and Addr				
2.	Plant North	Anna Power	Station, 1 (Name and Add			ineral	1, VA 23117
3.	Plant Unit Unit 1	4	Owner Certifica	te of Autho	prization (if req	uired)	N/A

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

7. Components Inspected

-

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No
BORON INJECTION TANK	STRUTHER WELLS	2-70-07-30717-9	VA 59686	13346
CLASS 1 COMPONENT SUPPORTS	VIRGINIA ELECTRIC & POWER CO.	N/A	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	252	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	253	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	268	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	282	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	453	N/A	N/A
CLASS 1 PIPING	S.W. FAJRICATING	766	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	774	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	778	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	874	N/A	H/A
CLASS 1 FIFING	S.W. FABRICATING	8/8	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	900	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	902	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	913	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	927	N/A	N/A

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

FORM NIS-1 (Back)

1	Examination Dates 3-5-91 to 3-3-92
	Inspection Period IdentificationFirst Period (12-24-86 - 12-24-91)
).	Inspection Interval Identification Second Interval (12-24-88 - 12-24-98)
	Applicable Edition of Section X11075 Addenda883
	Date/Revision of Inspection Plan _ 5-5-01 Revision 1
	Abstract of Examinations and Tests. Inchede a list of examinations and tests and a statement concerning status of work requir for the Inspection Plan.
	Attachment 1 pages 6-107 and Attachment 2 pages 1-34
	Abstract of Results of Examinations and Cests.
	Attachment 1 pages 6-107 and Attachment 2 pages 1-34
ł.,	Abstract of Corrective Measures.
	Attachment I pages 6-107 and Attachment 2 pages 1-34
L	equired by the ASME Code. Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Sect tificate of Authorization No. (if applicable)
t.	equired by the ASME Code. Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Sect tificate of Authorization No. (if applicable) Expiration Date
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t. at H3 I	equired by the ASME Code. Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section Authorization No. (if applicable)
I. H.	equired by the ASME Code. Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Sectificate of Authorization No. (if applicable) Expiration Date
at HEII	equired by the ASME Code. Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Sectificate of Authorization No. (if applicable) Expiration Date
Hat H3 I	tificate of Authorization No. (if applicable) <u>N/A</u> Expiration Date <u>N/A</u> <u>Max 27</u> 19 <u>92</u> Signed <u>Maguela Electric and Bares Co.</u> By <u>Electric and Councer</u> <u>CERTIFICATE OF INSERVICE INSPECTION</u> A, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and he State or Province of <u>virginio</u> and employed by <u>Hartford State Coller 1 & 1 Co.</u> of <u>artford, C1</u> have inspected the components described in this Owner's Report during the period <u>stage</u> to <u>3:3:92</u> and state that to the cest of my knowledge and belief, the Dwher has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning he examinations, tests, and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor nis 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.
R at	equired by the ASME Code. Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Sec tificate of Authorization No. (if applicable)

SUPPLEMENTAL SHEET FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS Page 2 of 107 As required by the Provisions of the ASME Code Rules

1.	Owne	er	Vira	ginia	Electric	& Pow	er C	ompany	5000 9, Glen	Domi	nion Bly n, VA 2	vd.
					(Name and A	ddress of	f Owne	r)				
2.	Plant	North	Anna	Power	Station,	P.O.	Box	402,	Mineral	, VA	23117	
					(Name and /	Address (of Plant)				

Docket Number: 50-338 Serial Number: 92-366

Attachment 1

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

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

7. Components Inspected

Component or Apputtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
CASS 1 PIPING	S.W. FASRICATING	£23	N7X	A/X
CLASS 1 PIPING	S.W. FABRICATING	950	N/4	N/A
LASS 1 PIPING	S.W. FABRICATING	952	N/A	N/A
LASS 1 PIPING	S.W. FABRICATING	955	N/A	<u>к/х</u>
CLSS 1 PIPING	S.W. FABRICATINC	977	N/X	N) N
CLASS 1 PIPING	S.W. FABRICATING	1670	N/A	N/A
LASS 1 PIPING	S.W. FABRICATING	1071	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	1081	N/A	31/A
CLASS 1 PIPING	S.W. FABRICATING	1122	87A	R7A
LASS T PIPING	S.W. FABRICATING	1675	N78.	N/X
CASS 1 PIPING	S.W. FABRICATING	1704	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	2741	N/A	N/A
LASS 1 PIPING	S.W. FABRICATING	2742	N/A	N/A
CLASS 1 PIPING	S.W. PASRICATING	2792	N/&	N/R
LASS 1 PIPING	S.W. FABRICATING	2960	N/A	N/ A
LASS 1 PIPING	S.W. FABRICATING	3043	N/A	N/A

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(12/86) This form (E00028) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

SUPPLEMENTAL SHEET SUPPLEMENTAL SHEET Attachment 1 FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS Page 3 of 107 As required by the Provisions of the ASME Code Fules

Docket Number: 50-338

1. Owner	Virginia	Electric	æ	Power	Company,	5000 Glen	Dominion Blvd. Allen, VA 23060
		(Name and A					

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

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

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

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.	
CLASS 1 PIPING	S.W. FABRICATING	3022	N/A	N/A	
CLASS 1 PIPING	S.W. FABRICATING	4555	N/A	N/A	
CLASS 1 PIPING	S.W. FABRICATING	4557	H/A	H/A	
CLASS 1 PIPING	S.W. FABRICATING	4558	N/A	N/A	
CLASS 1 PIPING	S.W. FABRICATING	4560	N/A	N/A	
CLASS 1 PIPING S.W. FABRICATING		4562	N/A	N/A	
CLASS 1 PIFING NON SERIALIZED	STONE & WEBSTER ENG. CORP.	K/A	N/A	H/A	
CLASS 2 COMPONENT SUPPORTS	VIRGINIA ELECTRIC & POWER CO.	N/A	N/A	N/A	
CLASS 2 PIPING NON-SERIALIZED	STONE & WEBSTER ENG. CORP.	H/A	K/A	N/A	
CLASS 3 COMPONENT SUPPORTS	VIRGINIA ELECTRIC & POWER CO.	N/A	N/2	N/A	
EXCESS LETUONN HEAT EXCHANGER	ATLAS IND. MEG. COMPANY	1306	VA 58338	1125	
NONREGENERATIVE KEAT EXCHANGER	JOSEPH DAT & COMPANY	1830-2	VA 59689	362	
RESIDUAL HEAT	JOSEPH DAT & COMPANY	1832-3	VA 58337	370	
RESIDUAL HEAT EXCHANGER (B)	JOSEPH ORT & COMPANY	1832-4	alanana san na n	371	
STEAM GENERATOR	AND		VA 58327	6867	
STEAM GENERATOR	WESTINGHOUSE ELECTRIC CORP.	1262	VA 59323	6868	

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SUPPLEMENTAL SHEET SUPPLEMENTAL SHEET Attachment 1 FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS Page 2 of 107 As required by the Provisions of the ASME Code Rules

Docket Number: 50-338

1. Owner	Virginia Electric & Power Company, 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)

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

7. Components inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No
STEAM GENERATOR	WESTINGHOUSE ELECTRIC CORP.	1263	VA 58324	6869
DUTION CHANGE PACKAGE	FLOUR DANIEL	88-11	N/A	K/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-118	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-121	N/A	N/A
REPATE AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-123	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO. 91-126 N/A		N/A	
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-126A	N/A	H/A
REPAIR AND REPLACEMENT	NAD VIRGINIA ELECTRIC & POWER CO. 91-226 N/A		N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-8092	N/A	N/A
REPAIR AND REPLACEMENT	VINGINIA ELECTRIC & POWER CO.	91-8093	N/A	N/A
REPATH AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-004	N/A	W/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-005	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-006	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CU.	92-007	N/A	N/A
REPAIR AND REPLACEMENT	VIR HIA ELECTRIC & POWER CD.	92-008	N/A	N/A
REFAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-009	N/A	N/A

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(12/86) This form (E00029) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

SUPPLEMENTAL SHEET Attachment 1 FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS Page 5 of 107 As required by the Provi ions of the ASME Code Rules

Docket Number: 50-338 Serial Number: 92-366

1. Owner	Virginia Electric & Power Company, 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)

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

7. Components Inspected

Component or Appurtonance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
REPAIR AND REPLACEMENT	VIRCINIA ELECTRIC & POWER CO.	92-038	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER LO.	92-0428	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CC.	92-0438	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-0448	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-0458	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-0468	N/4	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-0478	N/A	N/A
REPAIR AND REPLACEMENT	VIRCINIA ELECTRIC & POWER CO.	92~0488	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CD.	92-0498	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-075	H/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-076	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-077	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-080	N/A	N/A
REPATR AND REPLACEMENT	VINGINIA ELECTRIC & POWER CO.	\$2-090	R7A	N/X
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & FOWER CO.	92-091	N/A	N/A

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Docket Number: 50-338 Serial Number: 92-366 Attachment 1 Page 6 of 107

Virginia Electric and Power Company North Anna Power Station

Unit 1

1992 Outage 2nd Interval, 1st Period

Introduction

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

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

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

Examinations

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

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

Docket Number: 50-338 Serial Number: 92-366 Attachment 1 Page 7 of 107

Results

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

A summary of the indications and their dispositions follows:

- A) Fluid loss beyond the specified limit was reported on hydraulic sn 1-SHP-HSS-210 on 11715-WMKS-101C-3, Class 2. The fluid level was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The evaluation is included in Attachment III page 2.
- B) A 4.5 inch linear indication was reported on integral attachment SW-35 on 11715-WMKS-102A, Class 2. The indication was removed under Repair and Replacement Program 92-077. The integral attachment was reexamined and found to be acceptable.
- C) Heavy rust and boron was reported on Flange A on 11715-WMKS-103AU, Class 1. The flange was cleaned and 4 studs and 8 nuts were replaced under Repair and Replacement Program 92-038. The flange was examined after the replacement and was found to be acceptable.
- D) Missing spacers on the rod end were reported on hydraulic snubber 1-SI-HSS-100 on 11715-WMKS-113B, Class 2. The spacers were installed by Work Order 136726.

Resolution of Previous Interval 1 NIS-1 commitments

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

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

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

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

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

Docket Number: 50-338 Serial Number: 92-366 Attachment 1 Page 8 of 107

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Docket Number: 50-338 Serial Number: 92-365 Attachment 1 Page 9 of 107

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

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

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

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

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

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

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

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

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

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

Docket Number: 50-338 Serial Number: 92-366 Attachment 1 Page 10 of 107

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

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

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

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

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

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

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

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

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

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

Docket Number: 50-338 Serial Number: 92-366 Attachment 1 Page 11 of 107

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Analytical Evaluations

No analytical evaluations were performed.

Evaluation Analyses

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

Statement of Interval Status

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

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Abstract of Examinations Performed IWB, IWC & IWF

the exams were performed to satisfy the first period requirements.

DRAWING NUMBER		SECT XI CLASS				EXAM DATE	
11745 INVO 01010	18	2A 2A 2A 2A 2A 2A 2A 2A 2A 2A 2A 2A 2A 2	C-F	C5.21	MT & UT	01/20/92	
11715-WMKS-01018 11715-WMKS-01018 11715-WMKS-0101C 11715-WMKS-0101C 11715-WMKS-0101C 11715-WMKS-0101C	SW-46W	2A	C-C	C3.20	MT	01/22/92	
1715-WHKS-0101C	HSS-209A	2A	T\$ 3/4.7.	.10	VT-3	01/24/92	
11715-WMKS-0101C	HSS-2098	AS	TS 3/4.7.	.10	VT-3	01/24/92	
1715-WMKS-01010	HSS-210	24	TS 3/4.7.	10	VT-3	01/24/92	*A
1715-WMKS-0101C	SW-37W	24	C-C	03.20	MT	01/31/92	
1715-LMKS-0101C	SW-38W	24	C-C	C3.20	MT	01/31/92	
11715-WMKS-01010	15	24	C-F	C5 21	MT	01/20/92	
11715-WMKS-01010 11715-WMKS-01010	15	24	0.5	PS 24	117	01/21/92	
1715-UMKS-01010A	26	24	0.5	05 11	MT	01/23/92	
11715-WMKS-0101GA 11715-WMKS-0101GB	12	24	5-1 7-5	CE 11	MT	01/23/92	
1715 LAWC-01034	9	SA SA	0.5	DE 21	MT & UT	01/26/92	
1715-WMKS-0102A	7	CA	0.7	67.20	P1 0: 5/3		
17715 LAKE DIOCA	5W-33	CR	6-6	L3.20	MI DIT	01/20/92	- B
1715-WMKS-01028 1715-WMKS-01020	20	CA	0-1	UD.21	MT & UT	01/22/92	
	14	2A	0-1	65.21	MT & UT	01/22/92	
1715-WMKS-0103AC	5	AS	C-F-1	C5.11	PT & UT		
1715-WMKS-0103AC	21	ZA	0-1-1	05.11	PT & UT	01/25/92	
1715-WMKS-0103AD	15 15	2A 1A 1A 1A 1A 1A 1A 1A 1A 1A	B-1	89,11	PT	01/27/92	
11715-WMKS-[103AD 11715-WMKS-[103AD	15	14	8-J	89.11		01/28/92	
11715-WMKS-11103AD	SW-59	2A.	C-F-1 B-J		PT & UT	01/26/92	
1715-WMKS-0103AE-1	2	1A	8-1	89.21	PT	01/14/92	
11715-WAKS-0103AE-1	SW-66	1A	8-J	89.21	PT	01/24/92	
11715-WMKS-0103AE-4	15	1A	8-J	89.40	PT	01/14/92	
11715-WMKS-0103AE-4 11715-WMKS-0103AF 11715-WMKS-0103AF 11715-WMKS-0103AF 11715-WMKS-0103AF 11715-WMKS-0103AJ 11715-WMKS-0103AU 11715-WMKS-0103AU 11715-WMKS-0103AU	SW-1	1A	B-J	B9.11	PT & UT	01/28/92	
1715-WMKS-0103AF	SW-4	1A	B-J	89.40	PT	01/24/92	
1715-WMKS-0103AF	SW-5	1.4	B-J	89,40	PT	01/24/92	
1715-WMKS-0103AF	SW-8	14	B-J		PT	01/24/92	
1715-WMKS-0103AG	SW-16	1A 1A	B-J	89.40	PT	01/26/92	
1715-WMKS-01034J	SH-50	14	6-1		PT	01/29/92	
1715-WMKS-0103AT	SU-18	1A 1A 1A 1A 1A	B-1	89.40	PT	01/29/92	
1715-LMKS-0103AU	ELANCE A	14	8-0-2	87.50	VT-1	01/25/92	**
1715-UNVS-0103AU	CU-ZP	5.6	0.0.2	B9.40	PT	01/23/92	
11715-WMKS-0103AU	08-00	14	0.4	00 /0	PT	01/23/92	
1715 MMK5-0103A0	SW-40	1A 1A	0.0	89.40			
11715-WMKS-0103AU 11715-WMKS-0103AV	24-10	1A 1A 1A 1A 1A 1A	B-J	89.60	PT	01/21/92	
11/12-WAKS-0103AV	FLANGE A	IA	8-6-2	87.00	VT-1	01/25/92	
1715-WMKS-0103AV	HSS-814 SW-45	1A	15 3/4.7.	10	VT-3	01/10/92	
1715-WMKS-0103AV	SW-45	1A	9-J	89.40	PT	01/26/92	
1715-W4KS-0103AV	SW-6	1A	8-J	89.40	PT	01/27/92	
1715-WMKS-0103BA	HSS-880	1A	TS 3/4.7.	.13	VT-3	01/10/92	
1715-WMK3-010388-1	HSS-839	1A	TS 3/4.7.	. 0	VT-3	01/18/92	
1715-WMKS 010388-2	8	1A	8-J	69.40	PT	01/28/92	
11715-WMK'S 110388-3	4	1A	B-J	B9.21	PT	01/27/92	
1715-WMKS-010388-3	HSS-827	1A	TS 3/4.7.	0	VT-3	01/10/92	
1715-WMKS-010388-3	SW-7	1A	B-J	89.21	194	01/27/92	
1715-WMKS-01038E	SW-21	1A 1A 1A 1A 1A 1A 1A 1A	B-J	89.40	PT	01/31/92	
1715-WMKS-01038F	65A	1A	B-J	89,40	PT	01/21/92	
1715-WMKS-01038H	40	14	8-1	B9,21	PT	01/23/92	
1715-WMKS-01038H	5	14	B-J	89.21	PT	01/23/92	
1715-WMKS-01038H	SW-1	14	B·J	B9.21	PT	01/23/92	
1715-WMKS-01038H	SW-38	14	B-J	89.21	PT	01/23/92	
1715-WMKS-01038H							
	SW-43 HSS-882	14	B-J	89,21	PT Z	01/23/92	
1715-WMKS-01038K-1		14	TS 3/4.7.		VT-3	01/08/92	
1715-WMKS-01038M	HSS-864	14	TS 3/4.7.		VT-3	01/06/92	
1715-WMKS-0103K	SI-195 BOLTING	1A	B-G-2	87.70	VT-1	01/14/92	
1715-WMKS-0103N	30	1A	B-J	89.32	PT	01/29/92	
1715-WMKS-0103N	SW-55	1A	B-J	89.32	PT	01/29/92	
11715-WMKS-01037	24	1A	8-J	89.11	PT & UT	01/24/92	
1715-WMKS-0103U	37	1A	B-J	89.11	PT & UT	01/24/92	
11715-WMKS-01030	47H	1A	B-K-1	810.10	PT	01/26/92	
11715-WMKS-0103Y	198	1A	B-K-1	B10.10	PT	01/23/92	

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Abstract of Examinations Performed 1WB, 1WC & 1WF

DRAWING NUMBER	MARK NUMBER	SECT XI CLASS	SECT XI CATEGRY	SECT XI ITEM NO.		EXAM DATE	REMARKS
11715-WMKS-01031	SW-32	1A	B-J	89.11	PT & UT	01/26/92	
11715-WMKS-0103Y	S¥-35	1A	B-J	89.11	PT & UT	01/24/92	
11715-WMKS-0103Y	SW-45	1A .	B-J	89.11	PT & UT	01/28/92	
11715-WMKS-D103Y	SW-46	14	B-J	69.11	PT & UT	01/28/92	
11715-WHKS-0104A-1	HSS-101A	2A	TS 3/4.7.	10	VT 3	01/09/92	
11715-WMKS-0104C	15	AS	C-F-1	C5.11	PT	01/24/92	
11715-WMKS-0104C	15	2A	C-F-1	C5.11	UT	01/26/92	
11715-WMKS-0104C	6	AS	C-F-1	C5.11	UT	01/18/92	
11715-WMKS-0104C	SW-36	ZA .	C-F-1	C5.11	UT	01/1 /92	
11715-WMKS-0104E-1	11A	24	C-F-1	C5.11	UT	01/18/92	
11715-WMKS-01046	A-18	2A	F-A	F1.0	VT-3	0*/26/92	
11715-WMKS-01070	SW-66	2A	C-F-1	C5.11	PT	1./22/92	
(Note the	above PT exam replace	s the PT	exam perio	rmed in 19	91)		
11715-WMKS-0107D	SW-66	ZA	C-F-1	C5.11	UT	01/23/92	
11715-WMKS-0109A	S&-8	1A	B-J	B7.32	PT	01/31/92	
11715-WMKS-01090	HSS-103A	1A	TS 3/4.7.	10	VT-3	01/08/92	
11715-WMK5-01098-2	SW-19	1A	B-J	89.32	P1	01/27/92	
11715-WMKS-0109E-2	SW-20	1.4	B-J	89.32	PT	01/27/92	
11715-WMKS-0109E-2	SW-21	14	B-J	89.32	PT	01/27/92	
11715-WMKS-0109E-2	SW-40	1A	8-1	89.31	PT & UT		Relief Request NDE-12
17715-WHKS-0109E-2	SW-42	1A.	B-J	89.32	PT	01/28/92	
11715 - JMKS-0109E-2	SW-43	14	B-J	89.32	PT	01/28/92	
11715-WMXS-0110A	HSS-1168	14	TS 3/6.7.	The second s	VT-3	01/08/92	
11715-WMKS-01108-1	12A	1.4	B-J	89.40	FT	01/31/92	
11715-WMKS-01108-1	42A	14	8-J	89.32	PT	01/31/92	
11715-WMKS-01108-1	HSS-109	1A	TS 3/4.7.		V1-3	01/24/92	
11715-WMKS-0111A8	46	ZA	C-F-1	C5.11	PT	01/29/92	
11715-HMKS-0111AB	46	ZA	C-F-1	C5.11	UT	01/30/92	
11715-WMKS-01118A	27	14	8-J	B9.21	PT	01/21/92	
11715-WMKS-01118A	32	14	8-J	89.21	PT	01/21/92	
11715-WMKS-0111BA	HSS-859	14	TS 3/4.7.		VT-3	01/15/92	
117.5-WMKS-0111C	SW-40	ZA	C-F-1	C5.11	PT & UT	01/25/92	
11715-WMKS-0111CA	60A	2A	C-F-1	c5.11	PT	01/29/92	
11715-WMKS-0111CA	60A	2A A	C-F-1	c5.11	UT	01/30/92	
11715-WMKS-0113A-2	64	2A ZA					
		2A 2A	C-F-1	C5.11	PT & UT		Partial 73%
11715-WMKS-0113A-3	SW-58		C-F-1	C5.11	PT & UT	01/25/92	
11715-WMKS-0113A-4	SW-1	14	8-J	89.11	PT & UT	01/23/92	
11715-WMKS-0113A-4	SW-2	1A	8-J	89.11	PT & UT	01/23/92	
11715-WMKS-01138	32	14	8-J	89.11	PT & UT	01/23/92	
11715-WMKS-01138	HSS-100	14	15 3/1.7.		VT-3	01/27/92	
11715-WMKS-01138	MOV-1720A BOLTING	14	8-0-2	87.70	V7 - 1	01/14/92	
11715-WMKS-01138	SI-142 BOLTING	14	8-6-2	87.70	VT-1	01/14/92	
11715-WMKS-0113C-1	HSS-100E	2A	15 3/4.7.		VT-3	01/10/92	
11715-WMKS-0113C-3	SW-12	1A	8-1	B9.11	PT & UT	01/23/92	
11715-WMKS-CH-E-2	2	2A		C1.10	UT		Relief Request NDE-12
11715 - WHKS-RC-E-1A.1		2A	C-A		UT	01/31/92	
11715-WHKS-RC-E-1A.1	5	24	C-A	C1.10	UT	02/04/92	
11715-WMKS-RC-E-1A.2		1A	IS 3/4.7.	10	V1-3	01/24/92	
11715-WMKS-RH-E-1A	3A	2A	C-8	C2.31	PT	01/30/92	
11715-WMKS-RH-E-1A	38	ZA	C-8	C2.31	PT	01/30/92	
11715-WMKS-RH-E-18	3	2A	C-8	c2.33	VT-2	01/31/92	
11715-WMKS-RH-E-18	4	2A	C-B	C2.33	VT-2	01/31/92	
11715-WMKS-SI-TK-2	1	AS	C-A	C1.20	UT	01/21/92	
11715-WMKS-SI-TK-2	2	ZA	C-A	C1.20	UT	01/21/92	
11715-WMKS-SI-TK-2	501	2A	C+D	C4.10	UT	02/10/92	
11715-WMKS-SI-TK-2	\$02	2A	C+D	C4.10	UT	02/10/92	
11715-WMKS-SI-TK-2	\$03	2A	C-D	04.10	UT	02/10/92	
	the second se		100 Mar 1	10 A 4 4	1 A 100	0.0.110.000	
11715-WMKS-SI-TK-2	\$04	2A	C-0	04.10	UT	02/10/92	

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

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

DRAWING NUMBER	MARK NUMBER	SECT XI CLASS	SECT XI CATEGRY	SECT X1 ITEM NO.	EXAM METHOD	EXAM DATE	REMARKS
11715 WMKS-01018	PEN-7	24	F-A	F1.0	VT-3	01/23/92	
11715-WMKS-0102A	R . 33	AS	F-B	F2.0	VT-3	01/22/92	
11715-WMKS-0103AN	S-190	3.4	F-B	F2.0	VT-3	01/22/92	*4
11715-WHKS-0103AN	5-190	34	F-B	F2.0	17-3	02/07/92	
11715 - WMKS-0103AN	\$-240	3A	F-8	F2.0	VT-3	01/22/92	*5
11715-WMKS-0103AN	5-24D	3A	F-8	F2.0	VT-3	02/26/92	
11715-WMKS-01038	19H	3A	D-A	D1.1WA	VT-3	02/01/92	
11715-WMKS-01038	R-32C	3A	F-B	F2.0	VT-3	02/03/92	*8
11715-WMKS-01038	R-32C	3A	F-B	F2.0	VT-3	02/07/92	
11715-WMKS-01038K-2	R-9	1A	F-B	F2.0	VT-3	01/29/92	*9
11715-WMKS-01038X-2	8-0	14	F-B	F2.0	V1-3	02/14/92	
11715-WMKS-0105J-1	SH-303	3A	F-C	F3.0	VT-3	01/17/92	
11715-WMKS-0105R	R-332	34	F-8	F2.0	VT-3	02/03/92	*11
11715-WMKS-0105R	R-332	3A	F-B	F2.0	VT-3	02/28/92	
11715-WHKS-0107GA	R-176	3A	F-B	F2.0	V1-3	01/30/92	*12
11715-WKKS-0107GA	R-176	3A	F-B	F2.0	V1-3	0.2/05/92	
11715-WMK\$-0107H	R-806	2A	F+B-	F2.0	WT-3	02/03/92	
11715-WMKS-0110B-1	R-30	14	F-B	F2.0	VT-3	01/29/92	*14
11715-WMKS-01108-1	8-30	1A	F-B	F2.0	VT-3	02/05/92	
11715-WMKS-01108-1	SH-17	1A	F-C	F3.0	VT-3	02/13/92	*15
11715 WMKS-01108-2	R-52	1A	F - B	6.53	VT-3	01/24/92	*16
11715-WHKS-01108-2	R-52	1A	F-8	F2.0	VT-3	02/13/92	
11715-WMKS-01118	R-36	24	F-A	F1.0	VT-3	01/29/92	*17
11715-WMXS-01118	7-36	2A	F-A	F1.0	VT-3	02/06/92	
11715-WMKS-01118A	R-2	14	F-A	71.0	VT-3	01/29/92	*18
11715-WMKS-01118A	R-2	14	F-A	F1.0	VT-3	02/07/92	
11715-WMKS-01118A	R-3	1A	F-A	F1.0	VT-3	02/01/92	*19
11715-WMKS-01116A	R-3	14	F-A	F1.0	VT-3	02/07/92	
11715-WMKS-01118A	R-6	1A	F-B	F2.0	V7-3	02/01/92	*20
11715-WMKS-01118A	R-6	1A	F-8	F2.0	VT-3	02/07/92	
11715-WMKS-01118A	R-8	1A	F - 8	F2.0	V7-3	02/01/92	*21
11715-WMKS-01118A	R-8	1A	F-8	\$2.0	VT-3	02/07/92	
11715-WMKS-01138	R-5	1A	F-A	F1.0	V7-3	01/26/92	
11715-WMKS-0118XR	1-378	3A	F-A	F1.0	VT-3	02/05/92	
11715-WMKS-0118XT	A-363	3A	F-A	F1.0	VT-3	02/13/92	
11715-WMKS-RC-E-1A.1	FRAME	1A	F-A	F1.0	VT-3	02/01/92	
11715-WMKS-RH-E-1A	SUPT-INLET	2A	F-A	F1.0	VT-3	01/23/92	
11715-WMKS-RH-E-1A	SUPT-OUTLET	2A	F - A	F1.0	VT-3	01/23/92	

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

DRAWING	MARK	SECT XI	SECT XI	SECT XI	EXAM	EXAM
NUMBER	NUMBER	CLASS	CATEGRY	ITEM NO.	METHOD	DATE REMARKS
11715-WMK5-0109A 11715-WMKS-0109B 11715-WMKS-0109C 11715-WMKS-0113A-1 11715-WMKS-0113A-4	MOV-1585 BOLTING MOV-1586 BOLTING MOV-1587 BOLTING MOV-1700 BOLTING SI-127 BOLTING	1A "A 1A 1A 1A	8 - C - 2 8 - C - 2	87.70 87.70 87.70 87.70 87.70	VT - 1 VT - 1 VT - 1 VT - 1 VT - 1 VT - 1	01/08/92 01/08/92 01/08/92 01/08/92 01/08/92

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

DRAWING	MARK	SECT XI	SECT X1	SECT XI	EXAM	EXAM
NUMBER	NUMBER	CLASS	CATEGRY	ITEM NO.	MET JO	DATE RENARKS
11715-WMKS-0107C 11715-WMKS-0107C 11715-WMKS-0107D 11715-WMKS-0107E	27к 34н 33н 26н	2A 2A 2A 2A	C-C C-C C-C C-C	C3.20 C3.20 C3.20 C3.20 C3.20	PT PT PT PT	01/26/92 01/26/92 01/26/92 02/05/92

The following exams were performed to satisfy the additional exam requirements due to the indication on R-52 on 11715-WMKS-110B-2. A review of the engineering evaluations after the last NIS-1 report found that R-52 could not be considered operable in its as-found condition. The support was repaired but no additional exams were performed. plant deviation uport was written and the following additional exams were performed. These additional exams will not receive first period credit. These items will receive credit after the exams are performed as scheduled in the Second Interval Plan.

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

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

DRAWING NUMBER	MARK NUMBER		SEC: XI CATEGRY	SECT XI ITEM NO.	EXAM METHOD	EXAM DATE	OLD DRAWING & WELD NUMBER
11715-WMKS-0103AJ	16	1A	B - J	89.11	UT/PT		VRA-1-4104 8
11715-WMKS-0110A	SW-32	1A	B - J	89.11	PT & UT		VRA-1-4500 2

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Inservice Leak Tests

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

- 1-CH-207 Boric acid transfer pump 1-CH-P-2A, Class 2. The test was completed on 5/11/92.
- 1-CH-208 Boric acid transfer pump 1-CH-P-2B, Class 2. The test was completed on 5/11/92.
- 1-CH-209 Charging pumps 1-CH-P-1A, B, & C, Class 2. The test was complete on 5/11/92.
- 1-CH-210 Actic acid transfer pump 1-CH-P-2C, Class 2. The test was completed on 5/11/92.
- 1-CH-211 Toric acid transfer pump 1-CH-P-2D, Class 2. The test was completed on 5/11/92.
- 1-QS-203 Quench Spray pump 1-QS-P-1A, Class 2. The test was complete on 5/8/92.
- 1-QS-204 Quench Spray pump 1-QS-P-1B, Class 2. The test was complete on 5/19/92.
- 1-QS-205 Refurling Water Chemical Addition Tank, Class 2. The test was completed on 5/19/92.
- 1-RS-211 1-RS-P-2A suction from 1-RS-MOV-155A to discharge 1-RS-MOV-156A, Class 2. The Test was performed under 1-PT-64.1.1. No leakage was reported. The procedure did not require a separate VT-2 form to be completed. The procedure will be revised prior to the next refueling outage to require a separate VT-2 form to be completed. The test was complete on 2/28/91.
- 1-RS-212 1-RS-P-2B suction from 1-RS-MOV-155B to discharge 1-RS-MOV-156B, Class 2. Test was performed under 1-PT-64.1.2. No leakage was reported. The procedure did not require a separate VT-2 form to be completed. The procedure 111 be revised prior to the next refueling outage to require a separate VT-2 form to be completed. The test was complete on 2/28/91.
- 1-SI-218 Low Head Safety Injection recirc, Class 2. The test was complete on 4/7/92.

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

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

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Abstract of Examinations

Eddy Current Examination

20

Nonferromagnetic Steam Generator Tubing

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

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

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

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Row	<u>Col</u>	Ind	Locn	Remarks
2	2	47	211	P
2	2	SAI	2H	P
4	2	DIN	2H	
5	2	DI	1H	p
5	2	SAI	1H	P
	/1 PP3	0714	4.44	
9	2	DIN	1H	
5	3	99	2H	P
5	3	SAI	2H	P
12	3	SAI	1H	р
13	3	SCI	1.11	Р
13	3	SCI	1H	P
13	3	SCI	4 H	Р
3	4	SAI	1H	Р
3	4	SAI	1H	Р
5	4	SCI	1H	P
5	4	SCI	1H	Р
6	4	SAI	1H	Р
6	4	SAI	1H	ġ
6	4	SAI	1H	
7	4	SAI	1H	р
10	4	SAI	1H	Р
10	4	SAI	1H	Р
7	5	SAI	3 H	Р
14	5	80	1H	Р
14	5	SAI	1H	Р
17	5	COT	11/	р
17	5	SCI	1H 2H	P
17	5	SCI	1H	P
17	5	SCI	2H	p
4.1	9	2007	E II	

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Row	<u>Col</u>	Ind	Locn	Remarks
18	5	77	1H	P
18	5	SAI	1H	P
18	5	SAI	5H	Г
19	5	SCI	1H	Р
6	6	MCI	1H	ę
6	6	MCI	1H	P
6	6	ICH	1H	р
7	6	SCI	2H	р
7	6	SCI	H	P
9	7	SAI	1H	р
9	7	SAI	1H	P
	224614			
11	7	SCI	1H	P
11	7	SCI	1H	P
17	7	SCI	1H	Р
2	8	DIN	2H	Р
2	8	89	5H	P
2	8	SAT	5H	P
13	8	DIN	2H	
13	8	DIN	2H	
16	8	INR	2H	
16	8	INR	3H	
17	8	DIN	6C	
22	8	DIN	5C	
		7375		
20	9	INR	4C	
20	9	INR	30	
22	9	SCI	2H	Р
22	Э	SCI	2 H	Р
4	10	DIN	2H	Р
4	10	SAI	1H	P

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Row	Col	Ind	Locn	Remarks
8	10	SCI	1H	P
8	10	SCI	1H	р
11	10	DIN	1H	
17	10	MCI	1H	р
17	10	MCI	1H	P
17	10	MC ²	1H	Р
18	10	SA	3	Р
13	11	DIN	∀, ∄	
17	11	SCI	1H	р
17	11	SCI	1.H	P
17	11	SCI	1H	Р
19	11	DIN	5.H	
9	12	99	2H	P
5.9	12	SAI	2H	P
9	12	SAI	2H	Ъ
3	13	DIN	2 H	
17	13	SCI	1H	р
17	13	SCI	1H	P
6	14	SAI	1H	Р
6	14	r sI	1H	P
5	15	SAI	2H	P
5	15	SAI	2H	Р
22	15	SCI	1H	P
2.2	15	SCI	1H	Р
4	16	SCI	TSH	Р
4	16	SCI	TSH	P
4	16	SCI	TSH	Р
5	16	23	TSH	
18	16	SAI	2H	р

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Row	Col	Ind	Locn	Remarks
22	17	INF	ЗН	
23	17	DIN	2 H	
23	17	DIN	2H	
23	17	INF	ЗН	
25	17	INF	AV3	
31	17	DIN	4 H	
32	17	DIN	1H	
32	17	DIN	ЗН	
33	17	DIN	4 H	
12	18	DIN	4 H	
13	18	DIN	2H	
15	18	DIN	2H	
16	18	DIN	1H	
17	18	SCI	1H	P
17	18	SCI	1H	7
17	18	SCI	1H	P
18	18	DIN	1H	
20	18	DIN	1.H	
21	18	SCI	1H	P
21	1.8	SCI	1H	P
21	18	SCI	1H	P
27	18	DIN	1H	
29	18	DIN	2H	
29	18	INR	AV2	
29	18	INF	AV4	

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Row	<u>Co1</u>	Ind	Locn	Remarks	
33	18	DIN	1H		
33	18	DIN	2.H		
33	18	DIN	3H		
33	18	DIN	4 H		
33	18	DIN	5H		
		D'ATT			
34	18	INR	lH		
2	19	SCI	1H	p	
2	19	SCI	1H	p	
14 P.L.					
20	19	DIN	1H		
20	19	DIN	4H		
22	19	DIN	1H		
24	19	DIN	3H		
27	19	TND	AV3		
		INR	AV 3		
31	19	DIN	1H		
31	19	INF	AV3		
32	19	DIN	1.H		
32	19	DIN	4H		
33	19	DIN	4 H		
35	19	DIN	5H		
2	20	SAI	1H	P	
2	20	SAI	2H	P	
2	20	SAI	1.H	P	
2	20	SAI	2H	Р	
11	20	DIN	1H		
15	20	DIN	1H		
16	20	INF	2 H		
18	20	DI	2H	р	
18	20	SAI	2H	p	
		week.	6- 5.1		

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Row	<u>Col</u>	Ind	Locn	Remarks
19	20	SAI	2H	р
19	20	SAI	3 H	P
19	20	SAI	2 H	P
19	20	SAI	ЗН	P
19	20	SAI	2H	P
19	20	SAI	3 H	p
24	2.0	DIN	2H	
26	20	DIN	2H	
27	20	DIN	1H	
28	20	DIN	ЗН	
29	20	DIN	ЗН	
30	20	DIN	1H	
30	20	DIN	2H	
30	20	INF	AV1	
30	20	INF	AV4	
32	20	INR	AV3	
32	20	INF	AV4	
33	20	DIN	4 H	
8	21	93	ЗН	р
8	21	SAI	3 H	P
8	21	SAI	5H	P
8	21	SAI	3 H	P
8	21	SAI	5H	P
11	٤1	INF	TSH	
12	21	DIN	18	
12	21	DIN	ЗH	
19	21	INF	4 C	
28	21	SCI	1H	P
28	21	SCI	1H	Р
34	21	SAI	1H	р
34	21	SAI	1.H	p

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Row	<u>Col</u>	Ind	Locn	Remarks
5	22	DI	2H	P
5	22	SAI	2H	P
5	22	SAI	2H	p
20	22	SCI	2H	P
20	22	SCI	2H	Р
22	22	DI	54	P
22	22	SAI	5H	P
2.4	22	INF	AV3	
25	2.2	INF	AV3	
27	22	SCI	1H	р
27	22	SCI	1H	P
30	22	INF	AV3	
33	22	SAI	1H	P
33	22	SAI	2H	P
33	22	SAI	1.H	P
33	22	SAI	1H	P
33	22	SAI	2H	P
36	22	DIN	1H	
20	23	SCI	TSH	P
20	23	SCI	TSH	P
21	23	SCI	TSH	P
21	23	SCI	TSH	P
38	23	DI	1H	Р
38	23	SAI	1H	P
38	23	SAI	1H	P
39	23	SAI	1H	P
39	23	IAS	1H	P
7	24	SCI	1H	P
7	24	SCI	1H	P

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Row	<u>Col</u>	Ind	Locn	Remarks
8	24	88	2H	p
8	24	98	5H	p
8	24	SAI	2H	p
8	24	SAI	5H	P
~		DRA	511	
10	24	SAI	4 H	P
10	24	SAI	4H	P
10	24	SAI	4H	Р
14	24	TIN	TSH	
22	24	SCI	2H	P
22	24	SCI	2H	P
100		over	6.11	
23	24	TIN	TSH	
30	24	SCI	2H	Р
30	24	SCI	2 H	P
6	25	TIN	TSH	
34	25	12	EVA	
8	26	DIN	7 C	
12	26	67	2H	р
12	26	85	2H	P
12	26	DIN	6C	P
12	26	SAI	2H	P
12	26	MAI	2H	P
12	26	MAI	2H	p
12	20	PAA T	211	P'
13	26	DIN	4 H	
15	26	DIN	6C	P
15	26	DIN	4 C	P
15	26	SCI	TSH	P
15	26	SCI	TSH	P
35	26	29	TSH	
5	27	80	1H	р
		47	1H	P
5	27	4 /	111	F

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Row	Col	Ind	Locn	Remarks
6	27	DIN	2H	
7	27	SCI	2H	p
7	27	SCI	2H	P
		0.04	64.8.8	
9	27	81	3 H	P
9	27	SAI	3 H	P
13	27	INR	TSH	
		1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 -		
34	27	DIN	7H	
37	27	DIN	6H	
31		DIN	on	
7	28	SAI	4 H	Р
7	28	SAI	4 H	p
26	28	SAI	2 H	P
26	28	SAI	2H	P
5	29	92	1H	P
5	29	SAI	1H	P
	20	DIN	211	
11	29	DIN	7H	
13	29	DIN	ЗН	
		AP 4.41	5.14	
19	29	SCI	TSH	Р
19	29	SCI	TSH	P
24	29	SCI	1H	P
24	29	SCI	4 H	P
24	29	SCI	1H	Р
	20	COT	211	
5 5	30 30	SCI	3H 3H	P P
5	30	DUI	211	P
10	30	INR	TSH	
15	30	DI	3H	Р
15	30	100	3 H	P
15	30	SAI	3 H	P
15	30	SAI	3 H	Р

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			the second se	the second s
Row	Col	Ind	Locn	Remarks
29	30	MCI	1H	P
29	30	MCI	1H	P
29	30	SCI	1H	P
69	50	Det	IN	
12	31	17	TSH	
13	31	27	TSH	
31	31	SCI	1H	p
31	31	SCI	1H	P
	~~			
10	32	SAI	2H	P
10	32	SAI	3H	P
10	32	SAI	2H	P
10	32	SCI	3H	P
				p
10	32	SCI	ЗН	£,
13	32	TIN	TSH	
16	32	100	5H	P
16	32	92	5H	P
16	32	SAI	5H	P
19	32	MCI	TSH	P
19	32		TSH	P
		MCI		
19	32	MCI	TSH	P
19	32	MCI	TSH	Р
38	32	DIN	3 H	
39	32	DIN	1H	
41	32	DIN	1H	
10	33	INR	TSH	
11	33	19	TSH	
12	33	21	TSH	
13	33	DIN	TSH	
15	33	TIN	TSH	

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Row	<u>Co1</u>	Ind	Locn	Remarks
24	33	MCI	TSH	р
24	33	MCI	TSH	P
24	33	MCI	TSH	P
24	33	MCI	TSH	P
36	33	SAI	211	P
36	33	SAI	2H	P
13	34	22	TSH	
14	34	35	TSH	
14	34	DIN	1H	
15	34	DIN	ЗН	
25	34	DIN	1H	
4	35	SAI	1H	р
4	35	SAI	1H	P
10	35	DIN	ЗН	
13	35	27	TSH	
16	35	DIN	5H	
18	35	SAI	1H	Р
33	35	DIN	5H	
41	35	DIN	4 C	
13	36	31	TSH	Р
13	36	17	TSH	P
13	36	DI	2H	P
13	36	SAI	2 H	P
15	36	16	TSH	
15	36	28	TSH	
19	36	DIN	1H	
23	36	DIN	1H	
30	36	DIN	1H	

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Remarks	Locn	Ind	<u>Co1</u>	Row
	2H	DIN	36	43
	1H	DIN	37	9
	TSH	38	37	13
	2H	DIN	37	24
	5H	DIN	37	24
	1H	DIN	38	5
р	1H	SCI	38	11
P	1H	SCI	38	11
	TSH	32	38	14
	1.H	DIN	38	19
	4 H	DIN	38	24
р	3 H	SAI	38	28
	4 C	INR	38	43
	5H	INR	39	6
	4 H	DIN	39	7
	2H	DIN	39	8
	3H	DIN	39	9
	TSH	INF	39	10
	TSH	27	39	12
	TSH	17	39	13
	TSH	TIN	39	13
	ЗН	DIN	39	13
	TSH	38	39	15
	T3.,	16	39	16
р	171	SCI	39	18
P	1H	SCI	39	18

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Row	<u>Col</u>	Ind	Locn	Remarks
31	39	DIN	2H	
32	39	DIN	1H	
40 40	39 30	SCI SCI	1H 1H	P P
10	40	INF	TSH	
12 15	40 40	INF 24	TSH TSH	
34	40	SAI	1H	Р
38	40	SAI	1H	Р
41	40	SAI	4H	р
42	40	SAI	1H	р
44	40	SAI	ЗН	P
4	41	SAT	1H	Р
1.2	41	SAI	1H	Р
15	41	15	TSH	
39 39 39 39 39	41 41 41 41 41	DI SCI SCI SCI SCI	1H 1H 2H 1H 2H	P P P P P
3	42	INF	TSH	
5 5	42 42	95 SAI	5H 5H	P P
7	42	SAI	1H	р
9	42	SAI	1H	P

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Row	Col	Ind	Locn	Remarks
13	42	29	TSH	
13	42	INF	TSH	
13	42	INF	TSH	
17	42	14	TSH	
20	42	INF	TSH	
30	42	INR	7H	
34	42	SCI	1H	р
3.4	42	SCI	1H	P
34	42	SCI	2H	P
34	42	SCI	1H	P
34	42	SCI	2H	P
17	43	18	TSH	
40	43	DIN	5H	
9	4.4	22	5H	
10	44	INR	TSH	
11	44	12	TSH	
14	44	22	TSH	
1.4	44	18	TSH	
15	44	23	TSH	
16	44	15	TSH	
18	44	INF	7H	
20	44	INF	TSH	
3.2	44	2.9	TSH	
15	45	25	TGH	
18	45	INF	7H	

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Row	<u>Col</u>	Ind	Locn	Remarks
20	45	SCI	TSH	Р
20	45	SCI	2H	P
20	45	SCI	2H	P
20	45	SCI	TSH	P
20	45	SCI	2H	P
31	45	SCI	1H	p
31	45	SCI	1H	P
13	10	COT	ment	
	45	SCI	TSH	P
13	46	SCI	TSH	P
16	46	INF	TSH	
19	46	DIN	1H	
30	46	23	TSH	
19	47	SAT	5H	Р
20	47	SCI	2H	P
20	47	SCI	2H	P
22	47	INF	AV2	
23	47	SAI	SH	Р
				요즘 아무 가지 않는
33	47	INR	TSH	P
33	47	SAI	TSH	P
33	47	SAL	1H	р
3	48	SAI	4 H	р
13	48	98	2H	р
13	48	95	2H	P
13	48	SAI	2H	P
13	48	SAI	2H	P
16	48	13	TSH	
19	48	DIN	4 H	
26	48	1.0	5C	

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Row	Col	Ind	Locn	Remarks
32	48	TIN	TSH	Р
32	48	DI	21	P
32	48	SAI	2H	P
	40	Uni		
46	48	96	2H	P
46	48	SAI	2H	P
40	40	ONL		
2	49	SAI	5H	P
2	49	SAI	6H	P
		ona		
10	49	DI	5H	P
10	49	SAI	5H	P
15	49	29	TSH	
28	49	INF	5H	
28	49	INF	7H	
32	49	35	TSH	
45	49	INR	AV3	
18	50	20	TSH	
28	50	INR	AV3	
31	50	INF	7H	
32	50	SAI	1H	P
45	50	SCI	11	Р
45	50	SCI	1H	P
33	51	30	TSH	
38	51	SAI	2H	P
42	51	SCI	1H	P
42	51	SCI	1H	P
46	51	SCI	1H	P
46	51	SCI	1H	P
8	52	TI	TSH	P
8	52	SAI	TSH	P

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

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

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Row	Col	Ind	Locn	<u>Remarks</u>
18	63	DIN	2H	
20	63	15	1H	
20	6.3	23	1H	
20	63	21	1H	
20	63	18	1.H	
20	63	32	1H	
20	63	29	1H	
20	63	30	2 H	
20	63	12	2H	
20	63	INR	2H	
20	63	DIN	3H	
20	03	DIN	211	
21	63	30	TSH	
27	63	DIN	1H	
33	63	DIN	1H	
10	64	INR	TSH	
21	64	INR	TSH	
21	64	DIN	1H	
25	64	DIN	3 H	
36	64	DIN	7 H	
42	64	DI	1H	P
42	64	SAI	1H	P
22	65	INR	6C	
24	65	DIN	7H	
28	65	DIN	4 H	
29	65	DIN	7 H	
42	65	DIN	1H	
5	66	DI	5H	р
5	66	SAI	4 H	P
5	66	SAI	5H	P
			~ * *	

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

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Row	Col	Ind	Locn	Remarks
10	71	SCI	TSH	P
10	71	SCI	TSH	P
82	71	DIN	5H	
3 4	71	DIN	2H	
16	72	INR	TSH	
2.4	72	DIN	2H	
2.4	72	DIN	ЗН	
24	72	16	AV2	
29	72	DIN	5H	
31	72	DIN	5H	
32	72	SAI	2 H	р
17	73	SAI	1H	P
17	73	SCI	2H	P
17	73	SCI	2H	P
24	73	24	AV2	
27	73	INR	AV2	
29	73	. 4	AV2	
32	73	INR	AV2	
1	74	INF	7 H	
35	74	13	AV3	
36	74	INR	£VA	
38	74	INR	AV2	
13	75	16	AV4	
19	75	87	ін	P
19	75	DI	1H	P
19	75	DIN	4H	p
19	75	SAI	1H	р

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

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

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

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				and the second
Row	<u>Col</u>	Ind	Locn	Remarks
6	88	SCI	1H	P
6	88	SCI	1.H	P
11	88	48	2H	р
11	88	SAI	1H	p
11	88	SAI	2H	P
5	89	SAI	5H	Р
11	89	99	1H	p
11	89	SAI	1H	P
6	90	DIN	ЗН	
19	90	SAI	5H	p
19	90	SAI	6H	P
12	91	SAI	5H	Р
13	91	DIN	1H	
14	91	DIN	3H	
3	92	97	3 H	P
3	32	SAI	3 H	P
3 3	94	21	SC	P
5	94	DI	1H	P
5	94	SAI	lH	р
13	43		50 m	P, *
33	50		en 10	P, 1
14	70		un +a	P, 1
7	92	-		P, 2, **
6	93			P, 2, **
7	93	RST	TSH	P, 3
8	93			P, 2, **
7	94	** **	ar m	P, 2, **

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

Row	<u>C01</u>	Ind	Loon	Remarks

P = PLUGGED TUBE

1. THESE TUBES WERE SUSPECT FROM THE LAST EDDY CURRENT EXAMINATION, REEXAMINATION FAILED TO REVEAL ANY REJECTABLE INDICATION OF DEFECTS BUT THE TUBES WERE PLUGGED AS A PRECAUTIONARY MEASURE

2. THESE TUBES EDDY CURRENT TESTED, NO INDICATIONS FOUND BUT WERE PREVENTIVELY PLUGGED BECAUSE THEY ARE ADJACENT TO TUBE R7C93 THAT COULD NOT BE EXAMINED COMPLETELY BECAUSE RESTRICTION DID NOT ALLOW PASSAGE OF EDDY CURRENT PROBE

3. RESTRICTED TUBE COULD NOT BE EXAMINED OVER ITS ENTIRE LENGTH

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

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warmen and the first state		the second s			and the second
Row	<u>Col</u>	Ind	Locn	Remarks	
4	1	DIN	60		
4	1	DIN	5H		
15	3	INF	6C		
2	4	SAI	14	P	
8	4	DIN	70		
8	4	DIN	60		
12	4	INF	AV2		
13	5	21	AV4		
15	5	INR	AV2		
15	5	INR	AV3		
15	5	INR	AV4		
17	5	23	AV1		
17	5	23	AV2		
					÷
4	6	SCI	1H	P	
4	6	SAI	1 H	F	
16	6	SAI	2 H		
11	7	SCI	2H		
11	7	SCI	2H		
15	7	18	AV3		
17	7	17	AV2		
20	7	INF	AV3		
23	7	30	AV4		
11	8	MCI	2H	P	
11	8	MCI	2H	Р	
11	8	MCI	2H	P	
1.	8	MCI	2H	Р	
11	8	MCI	2H	P	

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Row	Col	Ind	Locn	Remarks	
12	8	SCI	2H		
12	8	MCI	3H		
12	8	MCI	3H		
12	8	SCI	2 H	P	
12	8	MCI	3H	Р	
15	8	INR	AV2		
23	8	DIN	5H		
24	8	21	AV2		
25	8	DIN	5H	P *	
25	8	INF	AV1	P *	
25	8	SCI	TSH	P *	
25	8	SCI	TSH	Р*	
6	9	SCI	3 H	Р	
6	9	SCI	ЗH	P	
15	9	SCI	1H	P	
15	9	SCI	1H	P	
23	9	29	AV1		
23	9	28	AV2		
23	9	24	AV3		
23	9	14	AV4		
24	9	18	AV1		
24	9	19	AV3		
26	9	INF	AV1		
13	10	DIN	5H		
		D.4.0	211		
16	10	INR	AV3		
22	10	INR	AV2		
22	10	INR	AV3		
22	10	INR	AV4		
24	10	DIN	lH		
24	10	DIN	5H		
24	10	23	AV4		

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Row	Col	Ind	Locn	Remarks
25 25	10 10	22 24	AV3 AV4	
26	10			
26	10	21	AV4	
27	10	DIN	SH	
27	10	DIN	7H	
28	10	23	AV3	
2	11	DIN	1H	P **
* 2	11	DIN	7H	P **
* 2	11	RSP	7H	p **
11	11	SCI	2H	р
11	11	SCI	2H	P
11	11	SCI	2H	Р
16	11	DI	2H	
16	11	SAI	211	
21	11	TIN	TSH	
25	11	17	*72	
25	11	21	AV 4	
18	12	73	1H	p
18	12	77	1H	P
18	12	73	ЗH	P
18	12	73	3 H	P
18	12	SAI	lH	P
18	12	SAI	1H	P
18 18	12 12	SAI	3H	P
10	16	SAI	3 H	Р
23	12	INR	AV2	
23	12	16	AV4	
24	12	INR	AV2	
1.5	12	INR	AV1	
25	12	25	AV2	
25	12	INR	AV3	
25	12	23	AV4	

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				The second s	the second s
Row	<u>Col</u>	Ind	Leen	Remarks	Property Approximation of Approximation
27	12	INR	AV3		
28	12	INR	AV1		
28	12	INR	AV4		
29	12	20	AV3		
29	12	21	.1V4		
30	12	21	AV3		
30	12	19	AV4		
2	13	DIN	7C	р	
2	13	SAI	1H	P	
8	13	SCI	1H	р	
8	13	SCI	2H	P	
8	13	SCI	1H	P	
8	13	SCI	2H	P	
10	13	DI	1H	Р	
10	13	SAI	1H	Р	
11	13	SCI	2H	P	
11	13	SCI	2H	Р	
22	13	INR	EVA		
23	13	INR	AV1		
23	13	INR	AV2		
23	13	INR	AV3		
23	13	INR	AV4		
25	13	INR	AV1		
25	13	INR	AV3		
25	13	INR	AV4		
26	13	21	AV1		
27	13	21	AV1		
27	13	27	AV3		
27	13	24	AV4		
28	13	INR	AV3		

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WHEN PARTY IN THE PROPERTY ADDRESS.	I have an experience of the same time to be the same second	the state of the part of the state of the state of the state of the state of the	Professional and the structure of the second states of the second states of the		
Row	Col	Ing	Locn	Remarks	
29	13	23	AVI		
29	13	INR	AV2		
29	13	INR	AV3		
29	13	INR	AV4		
		a tit			
30	13	23	AV1		
30	13	INR	AV2		
30	13	23	AV3		
30	13	21	AV4		
13	14	90	4 H		
				P	
13	14	SAI	4 H	P	
15	1.4	SCI	2H	Р	
15	14	SCI	2H	P	
17	14	INR	AV2	р	
17	14	INR			
17	14		EVA	P	
17		SCI	2H	P	
	14	SCI	2H	Р	
17	14	SCI	2H	P	
17	14	SCI	2H	P	
24	14	DIN	1H		
24	14	DIN	1H		
24	14	INR	AV4		
25	14	INR	AV1		
25	14	INR	AV4		
26	14	21	AV2		
26	14	INR			
			AV3		
26	14	20	AV4		
27	14	INR	AV3		
29	14	DIN	ALL		
20	7.4	DIN	4 H		
12	15	DI	1H	P	
12	15	94	1H	P P	
12	15	SAI	1.H	р	
12	15	SAI	1H	Р	
2.0	15				
20	15	SAI	2H	P	

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

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Row	<u>Col</u>	Ind	Locn	Remarks
25	17	DIN	ЗН	
25	17	INF	AV3	
29	17	DIN	2H	
29	17	DIN	3 H	
29	17	DIN	4 H	
31	17	INF	4 H	
4	18	DIN	3 H	
4	18	RSP		
	10		****	
21	18	23	£VA	
23	18	26	AV3	
23	18	22	AV4	
23	10	66		
24	18	26	AV3	
24	18	22	AV4	
		1993 - T. S.		
25	18	20	AV3	
29	18	INF	AV2	
29	18	22	AV3	
29	18	22	AV4	
			19 July 19	
33	18	19	AV3	
17	19	22	AV3	
+1	19	66	AV S	
26	19	27	AV3	
27	19	25	AV3	
29	19	23	AV3	
31	19	INF	AV3	
25	10			
35	19	18	AV4	
2	20	RST	UB	P
2	20	RST	6H	P P
0				
2	20	SCI	2H	P
é.	20	SCI	2 H	P

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Kow Col Ind Locn Remarks 29 20 DIN 1H 30 20 INF AV1 31 20 21 AV3 32 20 24 AV4 33 20 17 AV3 36 20 DIN 3H 36 20 DIN SH 31 20 17 AV3 36 20 DIN 3H 36 20 DIN SH 10 21 SCI 1H P 11 21 SCI 2H P 11 21 SCI 2H P 23 21 DIN 6H 2 23 21 DIN AV2 24 21 NR AV3 25 21 INR AV3 25 21 INR AV3 25					
30 20 INF AV1 32 20 21 AV3 32 20 24 AV4 33 20 17 AV3 36 20 DIN 3H 36 20 INF AV4 10 21 SCI 1H P 10 21 SCI 1H P 11 21 INF TSH P 14 21 SCI 2H P 14 21 SCI 2H P 23 21 DIN 6H AV3 24 21 NR AV3 AV2 23 21 26 AV3 AV3 24 21 INR AV4 AV4 27 21 30 AV3 AV3 25 21 INR AV4 AV4 27 21 30 AV3 AV3 28 21 22 AV3 AV3 29 21	Row	<u>Col</u>	Ind	Locn	Remarks
30 20 INF AV4 32 20 21 AV3 32 20 24 AV4 33 20 17 AV3 36 20 DIN 3H 36 20 INF AV4 10 21 SCI 1H P 10 21 SCI 1H P 11 21 SCI 2H P 14 21 SCI 2H P 23 21 SCI 2H P 23 21 DIN 6H 23 23 21 SCI 2H P 23 21 SCI 2H P 24 21 INR AV2 23 25 21 INR AV3 25 26 21 INR AV3 25 28 21 22 AV3 29 29 21 31 AV3 29 29 21 <td< td=""><td>29</td><td>20</td><td>DIN</td><td>1H</td><td></td></td<>	29	20	DIN	1H	
30 20 INF AV4 32 20 21 AV3 32 20 24 AV4 33 20 17 AV3 36 20 DIN 3H 36 20 INF AV4 10 21 SCI 1H P 11 21 SCI 2H P 14 21 SCI 2H P 14 21 SCI 2H P 23 21 DIN 6H 23 21 SCI 2H P 23 21 DIN 6H 23 21 SCI 2H P 23 21 NR AV2 24 21 INR AV3 25 21 NR AV3 26 21 20 AV3 28 21 22 AV3 29 21 31 AV3 29 21 31 <av3< td=""></av3<>	30	20	INF	AV1	
32 20 24 AV4 33 20 17 AV3 36 20 DIN 3H 36 20 INF AV4 10 21 SCI 1H P 10 21 SCI 1H P 11 21 SCI 2H P 14 21 SCI 2H P 23 21 DIN 6H 6H 23 21 DIN 6H P 23 21 DIN 6H P 23 21 NC AV2 P 24 21 36 AV2 AV3 25 21 ? AV2 AV3 25 21 INR AV4 AV3 28 21 22 AV3 AV3 29 21 33 AV2 AV3 29 21 31 AV3 AV4 33 21 INR AV4 AV3					
32 20 24 AV4 33 20 17 AV3 36 20 DIN 3H 36 20 INF AV4 10 21 SCI 1H P 10 21 SCI 1H P 11 21 SCI 2H P 14 21 SCI 2H P 23 21 DIN 6H 6H 23 21 DIN 6H 6H 23 21 25 AV2 AV3 24 21 36 AV2 AV3 25 21 7.4 AV2 AV3 25 21 1NR AV4 AV3 27 21 30 AV3 AV3 28 21 22 AV3 AV3 29 21 31 AV3 AV4 33 21 INR AV4 AV4 33 21 INR AV4 AV3 <t< td=""><td>32</td><td>20</td><td>21</td><td>AV3</td><td></td></t<>	32	20	21	AV3	
36 20 DIN 3H 10 21 SCI 1H P 10 21 SCI 1H P 11 21 SCI 2H P 11 21 SCI 2H P 14 21 SCI 2H P 23 21 DIN 6H P 23 21 DIN AV2 AV2 23 21 25 AV2 AV3 24 21 36 AV2 AV3 25 21 JUR AV2 AV3 25 21 JUR AV3 AV2 25 21 JUR AV3 AV4 27 21 30 AV3 AV4 28 21 23 AV2 AV3 29 21 31 AV3 AV4 33 21 INR AV4 AV4 33 21 INR AV4 AV3 33 21 INR <td></td> <td></td> <td></td> <td></td> <td></td>					
36 20 DIN 3H 10 21 SCI 1H P 10 21 SCI 1H P 11 21 SCI 2H P 11 21 SCI 2H P 14 21 SCI 2H P 23 21 DIN 6H P 23 21 DIN AV2 AV2 23 21 25 AV2 AV3 24 21 36 AV2 AV3 25 21 7/14 AV2 AV3 25 21 1NR AV3 AV4 27 21 30 AV3 AV3 28 21 22 AV3 AV3 29 21 31 AV3 AV4 33 21 INR AV4 AV4 33 21 INR AV4 AV4 33 21 INR AV4 AV4 33 21 INR </td <td>33</td> <td>20</td> <td>17</td> <td>AV3</td> <td></td>	33	20	17	AV3	
36 20 INF AV4 10 21 SCI 1H P 10 21 SCI 1H P 11 21 INF TSH 14 21 SCI 2H P 14 21 SCI 2H P 23 21 DIN 6H P 23 21 DIN 6H P 23 21 26 AV2 P 24 21 JNR AV3 P 25 21 7//4 AV2 P 25 21 NR AV3 P 27 21 30 AV3 P 28 21 22 AV3 P 29 21 23 AV2 P 33 21 INR AV4 P 33 21 INR AV4 P 33 21 SCI 1H P					
10 21 SCI 1H P 10 21 SCI 1H P 11 21 INF TSH 14 21 SCI 2H P 14 21 SCI 2H P 23 21 DIN 6H P 23 21 25 AV2 AV3 24 21 INR AV3 AV2 25 21 J''A AV2 25 21 J''A AV2 25 21 J''A AV2 26 21 22 AV3 27 21 30 AV3 28 21 22 AV3 29 21 23 AV2 29 21 31 AV3 29 21 31 AV3 29 21 31 AV3 33 21 INR AV4 33 21 INR AV2 33 21 SCI <td></td> <td></td> <td></td> <td></td> <td></td>					
10 21 SCI 1H P 11 21 INF TSH P 14 21 SCI 2H P 14 21 SCI 2H P 23 21 DIN 6H P 23 21 25 AV2 AV3 24 21 36 AV2 AV3 25 21 J'''' AV4 AV4 27 21 30 AV3 AV3 28 21 22 AV3 AV3 29 21 31 AV3 AV4 33 21 INR AV4 AV4 33 21 INR AV4 AV4 33 21 SCI 1H P	30	20	INF	AV4	
11 21 INF TSH 14 21 SCI 2H P 14 21 SCI 2H P 23 21 DIN 6H 23 21 25 AV2 23 21 28 AV3 24 21 36 AV2 25 21 7''A AV2 25 21 NR AV3 25 21 NR AV3 25 21 NR AV4 27 21 30 AV3 28 21 22 AV3 29 21 31 AV3 29 21 31 AV3 33 21 INR AV4 33 21 INR AV4 33 21 INR AV2 33 21 SCI 1H P					Р
14 21 SCI 2H P 23 21 DIN 6H 23 21 25 AV2 23 21 28 AV3 24 21 36 AV2 25 21 John AV2 26 21 John AV3 27 21 30 AV3 28 21 22 AV3 29 21 23 AV2 29 21 31 AV3 29 21 31 AV3 29 21 INR AV4 33 21 INR AV2 33 21 SCI 1H P	10	21	SCI	1H	P
14 21 SCI 2H P 23 21 DIN 6H 23 21 25 AV2 23 21 28 AV3 24 21 36 AV2 25 21 7''A AV2 25 21 7''A AV2 25 21 1NR AV3 25 21 NR AV4 27 21 30 AV3 28 21 22 AV3 29 21 23 AV2 29 21 31 AV3 29 21 31 AV3 33 21 INR AV4 33 21 INR AV4 33 21 INR AV4 33 21 INR AV2 33 21 SCI 1H P	11	21	INF	TSH	
14 21 SCI 2H P 23 21 DIN 6H 23 21 25 AV2 23 21 28 AV3 24 21 36 AV2 25 21 7''A AV2 25 21 7''A AV2 25 21 1NR AV3 25 21 NR AV4 27 21 30 AV3 28 21 22 AV3 29 21 23 AV2 29 21 31 AV3 29 21 31 AV3 33 21 INR AV4 33 21 INR AV4 33 21 INR AV4 33 21 INR AV2 33 21 SCI 1H P	14	21	COT	214	D
23 21 DIN 6H 23 21 25 AV2 23 21 28 AV3 24 21 36 AV2 24 21 INR AV3 25 21 J'A AV2 25 21 INR AV3 25 21 INR AV3 25 21 INR AV4 27 21 30 AV3 28 21 22 AV3 29 21 23 AV2 29 21 31 AV3 29 21 31 AV3 33 21 INR AV4 33 21 INR AV4 33 21 INR AV2 33 21 INR AV2 33 21 INR AV2 36 21 SCI 1H P					
23 21 25 AV2 23 21 28 AV3 24 21 36 AV2 24 21 INR AV3 25 21 J''A AV2 25 21 INR AV3 25 21 INR AV4 27 21 30 AV3 28 21 22 AV3 29 21 23 AV2 29 21 31 AV3 29 21 INR AV4 33 21 INR AV2 33 21 INR AV2 36 21 SCI 1H P					
23 21 28 AV3 24 21 36 AV2 24 21 INR AV3 25 21 JAR AV2 25 21 INR AV3 25 21 INR AV4 27 21 30 AV3 28 21 22 AV3 29 21 23 AV2 29 21 31 AV3 33 21 INR AV4 36 21 SCI 1H P					
24 21 36 AV2 24 21 INR AV3 25 21 JNR AV2 25 21 INR AV3 25 21 INR AV4 27 21 30 AV3 28 21 22 AV3 29 21 23 AV2 29 21 31 AV3 33 21 INR AV4 33 21 INR AV4 33 21 INR AV2 36 21 SCI 1H P					
24 21 INR AV3 25 21 J''A AV2 25 21 INR AV3 25 21 INR AV4 27 21 30 AV3 28 21 22 AV3 29 21 23 AV2 29 21 31 AV3 29 21 31 AV3 33 21 INR AV4 33 21 INR AV4 33 21 INR AV4 33 21 SCI 1H P					
25 21 7 A AV2 25 21 INR AV3 25 21 INR AV4 27 21 30 AV3 28 21 22 AV3 29 21 23 AV2 29 21 31 AV3 29 21 31 AV3 33 21 INR AV4 33 21 INR AV2 33 21 INR AV2 36 21 SCI 1H P					
25 21 INR AV3 27 21 30 AV3 28 21 22 AV3 29 21 23 AV2 29 21 31 AV3 29 21 100 AV3 33 21 100 AV2 33 21 100 AV2 36 21 SCI 111 P	24	21	INR	AV3	
25 21 INR AV4 27 21 30 AV3 28 21 22 AV3 29 21 23 AV2 29 21 31 AV3 29 21 31 AV3 29 21 31 AV3 33 21 INR AV4 33 21 INR AV2 33 21 SCI 1H P				AV2	
27 21 30 AV3 28 21 22 AV3 29 21 23 AV2 29 21 31 AV3 29 21 31 AV3 29 21 31 AV3 33 21 INR AV4 33 21 INR AV2 36 21 SCI 1H P					
28 21 22 AV3 29 21 23 AV2 29 21 31 AV3 29 21 31 AV3 29 21 INR AV4 33 21 INR AV2 33 21 INR AV2 36 21 SCI 1H P	25	21	INR	AV4	
29 21 23 AV2 29 21 31 AV3 29 21 INR AV4 33 21 INR AV2 33 21 22 AV3 36 21 SCI 1H P	27	21	30	AV3	
29 21 23 AV2 29 21 31 AV3 29 21 INR AV4 33 21 INR AV2 33 21 22 AV3 36 21 SCI 1H P	28	21	20	8770	
29 21 31 AV3 29 21 INR AV4 33 21 INR AV2 33 21 22 AV3 36 21 SCI 1H P	20	**	64	A 4 2	
29 21 INR AV4 33 21 INR AV2 33 21 22 AV3 36 21 SCI 1H P					
33 21 INR AV2 33 21 22 AV3 36 21 SCI 1H P					
33 21 22 AV3 36 21 SCI 1H P	29	21	INR	AV4	
36 21 SCI 1H P					
36 21 SCI 1H P 36 21 SCI 1H P	33	21	22	AV3	
36 21 SCI 1H P			SCI	1H	
	36	21	SCI	1H	

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Row	<u>Col</u>	Ind	Locn	Remarks	
37	21	INR	AV3	р	
37	21	SAI	2 H	P	
3	22	SCI	2H	р	
3	22	SCI	2H	P	
16	22	SCI	TSH	Р	
16	22	SCI	TSH	P	
16	22	SCI	TSH	P	
18	22	INR	5H		
21	22	SCI	2H	D	
21	22			P P	
21	22	SCI	2H	P	
61	66	SCI	2H	P	
24	22	24	AV3		
26	22	DIN	4 H		
29	22	DIN	6H		
32	22	DIN	4 H		
33	22	17	AV4		
35	22	SCI	1H	Р	
55	22	SCI	1H	P	
2	23	DI	1H	р	
2	23	DI	2H	P	
2	23	MAI	1H	P	
2 2	23	MAI	1H	P	
2	23	SAI	2 H	P	
3	23	95	1H	р	
3	23	MAI	1H	P	
3	23	MAI	1H	P	
19	23	INR	AV3		
25	23	27	AV3		
26	23	28	AV3		

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

Row	Col	Ind	Locn	Remarks	
29	23	28	AV3		
32	23	29	AV3		
33	23	DIN	4H		
35	23	INR	AV3		
6	24	SCI	2H	Р	
6	24	SCI	2H	P	
7	24	SCI	TSH	\tilde{P}	
7	24	SCI	TSH	P	
7	24	SAI	1H	P	
7	24	SCI	TSH	p	
	24	SCI	150	P	
9	24	INR	AV4		
15	24	MAI	2H	Р	
15	24	MAI	2H	Р	
20	24	INF	AV2		
22	24	SCI	1H	р	
22	24	MCI	2H	P	
22	24	MCI	2H	P	
22	24	SCI	1H	P	
22	24	SCI	2H	P	
23	24	DIN	6H		
26	24	DIN	6H		
27	24	INF	AV3		
32	24	DIN	7H		
38	24	INF	AV4		
16	25	INF	AV4		
19	2.5	INF	AV1		
20	25	SCI	2H	Р	
20	25				

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Row	<u>Ccl</u>	Ind	Locn	Remarks	
21 21	25 25	SCI SCI	2H 2H	P P	
39 39	25 25	SCI SCI	2H 2H	P P	
32 32	26 26	INR 27	AV3 AV4		
34	26	19	AV4		
40	26	INF	7H		
5 5	27 27	SCI SCI	1H 1H	P P	
7 7	27 27	96 SAI	1H 1H	P P	
8	27	SAI	2H	Р	
13	27	INF	AV2		
14 14	27 27	DI SAI	1H 1H	P P	
21 21	27 27	INF SAI	AV3 1H	P P	
23 23	127 27	INR INR	AV1 AV3		
37 37 37 37 37 37	27 27 27 27 27 27 27	SCI SCI SCI SCI SCI	1H 2H 2H 1H 2H 2H	P P P P P P P	
9 9	28 28	SCI SCI	2H 2H	P P	
11	28	SAI	3H	P	

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

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

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

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incommunity of the local data	and the second se	and the second of the second se	and the second	and the second	
Row	<u>Col</u>	Ind	Locn	Remarks	
9	36	MCI	TSH	Р	
9	36	MCI	TSH	P	
9	36	MCI	TSH	P	
9	36	MCI	TSH	P	
9	36	SCI	1H	P	
9	36	MCI	TSH	P	
9	36	SCI	1H	P	
15	30	SCI	211	р	
1.5	36	SCI	2H	P	
18	36	SAI	1H	P	
2.5	36	SCI	TSH	P *	
25	36	SCI	TSH	P *	
34	36	DIN	GH		
20		~ ~			
36	36	24	AV2		
41	36	RST	211		
41			3H		
41	36	DIN	5H		
	36	RSP	3H		
41	36	RSP	4H		
41	36	RSP	5H		
41	36	RSP	6H		
41	36	RSP	7H		
41	36	RSP	3H		
41	36	RSP	4 H		
41	36	RSP	5H		
41	36	RSP	6H		
42	36	RSP	7H		
42	36	17	AV2		
4	37	SCI	2H	P P	
4	37	SCI	2H	Р	
8	37	SCI	2H	Р	
8	37	SCI	2H	P	
8	37	SCI	2H	P	
8	37	SCI	2H	p	

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and the second se	and the second	internet in a second			
Row	<u>Col</u>	Ind	Locn	Remarks	
28	37	SCI	1H	Р	
28	37	SCI	1H	P	
29	37	32	TEH		
40	37	INF	AV1		
15	38	22	TSH		
28	38	22	TSH		
29	38	TIN			
			TSH		
2.9	38	24	AV3		
32	38	24	AV3		
15	39	26	TSH		
6	40	SAI	1H	P	
7	40	SCI	1H	р	
7	40	SCI			
	40	DET	lH	Р	
15	40	SCI	2 H	P	
15	40	SCI	2H	P	
19	40	TNP	8.171		
19		INF	AV1		
	40	INF	AV2		
19	40	INF	AV3		
19	40	INF	AV4		
41	40	SAI	1H	P	
2	41	DIN	2 C	P	
2	41	SAI	1H	P	
2	41	MCI	3 H	Р	
2	41	MCI	ЗН	P	
2	41	MCI	3 H	P	
2	41	MCI	3 H	P	
2	41	MCI	ЗН	P	
2 2	41	MCI	3H	P	
2	41	MCI	3H 3H		
2	41			p	
6	41	MCI	ЗН	P	
3	41	DIN	6C		
3	41	DIN	5C		

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Row	<u>Col</u>	Ind	Locn	Pemarks	
4	41	SAI	1H	р	
5	41	DI	1H	P	
5	41	DI	3 H	P	
5	41	SAI	1H	P	
5	41	SAI	2H	P	
5	41	SAI	ЗН	Р	
9	41	SAI	4 H	Р	
14	41	18	TSH		
18	41	SCI	ЗН	Р	
18	41	SCI	ЗН	Р	
22	41	SCI	2H	P	
22	41	SCI	2H	Р	
28	41	SCI	TSH	p	
28	41	SAI	1H	p	
28	41	SCI	TSH	P	
34	41	DI	2H	P	
34	41	DIN	ЗH	P	
34	41	SAI	1H	P	
34	41	SCI	2H	P	
34	41	SCI	2H	P	
41	41	DI	2H	P	
41	41	SAI	2H	Р	
4	42	DIN	1H		
10	42	SCI	1H	р	
10	42	SCI.	lH	P	
12	42	INR	AV1		
12	42	INR	AV4		
14	42	INR	TSE	Р	
14	42	SCI	2H	P	
14	42	SCI	2H	P	

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Row	<u>Col</u>	Ind	Locn	Remarks	
23	42	SCI	2H	р	
23	42	SCI	2H	Р	
26	42	DI	ЗН	Р	
26	42	SAI	3 H	p	
28	42	20	AVI	р	
28	42	15	AV2	P	
28	42	SAI	1H	P	
20	42	SAL	IN	P	
32	42	DIN	1H		
32	42	24	AV4		
33	42	SAI	1H	Р	
41	42	96	1H	Р	
41	42	DIN	2H	P	
41	42	SAI	1H	P	
4	43	DIN	2H		
35	43	2.2	AV4		
37	43	SCI	2H	Р	
37	43	SCI	2 H	Р	
39	43	SCI	1H	р	
39	43	SCI	1.H	P	
39	43	SCI	1H	P	
39	43	SCI	1H	P	
41	43	DIN	7H		
42	43	17	AV4		
43	43	19	AV4		
44	43	18	AV4		
4	44	DIN	6C		
4	44	DIN	10		
5	44	DIN	7C		

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Row	<u>Col</u>	Ind	Locn	Remarks	
13	44	SAI	1H	P	
13	44	SAI	1H	P	
13	44	SAI	2H	P	
		to a tak		· · · · · · · · · · · · · · · · · · ·	
19	44	SCI	1H	P	
19	44	SCI	1H	P	
		er er al	46.5.1		
20	44	22	AV4		
		66	ALC A		
44	44	19	AV4		
44	44	12	VA4		
46	44	14	AV1		
46	44				
		16	AV2		
46	44	24	AV3		
6	45	INF	111	D	
			1H	P P	
6	45	SAI	2P	P	
0	45	DITAL	20		
8		DIN	70		
8	45	INF	4C		
8	45	INF	3C		
	1.0				
14	45	SAI	1H	P	
	10	TATE	~ ~ ~		
33	45	INR	6H		
	10	DITU			
5	46	DIN	5C		
	10	7.517			
6	46	INF	4H		
6	46	DIN	6C		
6	46	DIN	6C		
8	46	DIN	6C		
8	46	INF	4 C		
8	46	INF	3 C		
10	46	SCI	1H	Р	
10	46	SAI	2H	р	
10	46	SCI	2 H	P	
12	46	DIN	7C		
19	46	INF	3 H	P	
19	46	SAI	1H	Р	

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Row	Col	Ind	Locn	Remarks	
20	46	SCI	2H	р	
20	46	SCI	2H	P	
29	46	INF	2H		
33	46	19	AV4		
37	46	INF	AV2		
45	46	SCI	2H	P	
45	46	SCI	2H	Р	
2	47	29	TSH		
6	47	71	4 H	р	
6	47	SAI	4H	p	
10	47	DI	1H	Р	
10	47	SAI	lH	P	
13	47	DIN	3H		
13	47	DIN	4H		
16	47	TIN	TSH		
19	47	INR	AV2		
22	47	DIN	3H		
22	47	DIN	4H		
26	47	INR	4H		
27	47	SCI	1H	P	
27	47	SCI	1H	P	
28	47	DIN	ЗН		
28	47	DIN	6H		
~~~		10° 4. 13	0n		
30	47	DIN	1H		
30	47	DIN	2H		
30	47	DIN	ЗН		
34	47	DIN	lH		
34	47	DIN	2H		

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

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Row	<u>Col</u>	Ind	Locn	Remarks	
38	47	INR	6H		
40	47	DIN	2H		
40	47	DIN	4 H		
44	47	INR	6H		
16	. 7	DTN	411		
46 46	;7 47	DIN	4H 6H		
46	47	18	AV2		
46	47	18	AV2 AV3		
46	47	17	AV4		
40	47	± /	22.4.4		
5	48	INF	4 H		
26	48	SAI	1H	р	
28	48	71	lH	р	
28	48	SA.	1H	р	
31	48	TIN	SC		
36	48	INF	AV2		
46	48	18	AV2		
46	48	21	AV3		
14	49	INF	AV1		
14	49	INF	AV1		
18	49	DIN	2H		
29	49	SAI	1H	Р	
33	49	INR	TSH		
46	49	INF	AV3		
18	50	INF	AV1		
18	50	INF	AV3		
26	50	24	TSH		

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Row	<u>Col</u>	Ind	Locn	Remarks	
29	50	28	TSH		
33	50	SAI	lH	Р	
41	50	INR	AV1		
42	50	14	AV1		
43	50	15	AV1		
2	51	DIN	1H		
16	51	INF	AV1		
20	51	70	1F	P	
20	51	SAI		P	
			11:		
20	51	SAI	А	P	
34	51	SAI	1H	P	
40	51	SAI	4.79	P	
45	51	SCI	26	P	
45	51	SCI	28	P	
			* **		
46	51	. 5	AV1		
12	52	SAI	1H	Р	
28	52	1?	TSH		
41	52	INF	AV3		
17	53	INF	AV2		
33	63	SAI	1H	P	
42	53	INF	AV1		
46	53	17	AV2	p	
46	53	INF	AV3	P P	
46	53	SAI	1H	P	
3	54	:1	TSH	*	
~	2.4		1 021		

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

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

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		and a second		
Row	<u>Col</u>	Ind	Locn	Remarks
9	56	SAI	зн	P
13	56	SAI	1H	Р
16 16	56 56	SCI SCI	TSH TSH	P P
37	56	INF	60	
43	56	DIN	7H	
4	57	DIN	4H	
7	57	TIN	TSC	
10	57	INF	68	
20	57	INF	AV3	
28	57	INF	TSH	
30	57	INF	TSH	
43	57	13	AV2	
8 8	58 50	SCI SCI	1H 1H	P P
23	58	INF	6H	
25	58	INF	AV3	
28	58	23	AV3	
45	58	21	AV2	
10	59	DIN	1H	
20	59	DIN	2 H	
21	59	INF	AV2	
25	59	DIN	1H	

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

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

Row	<u>Col</u>	Ind	Locn	Remarks
41	63	17	AV4	
9	64	DIN	6C	
10 10	64 64	DIN DIN	1H 1H	
18	€4	INF	AV3	
24	64	20	AV1	
26	64	SAI	lH	Р
34	64	SAI	2H	р

38	64	RST	1H
38	64	DIN	7H
38	64	RSP	2H
38		RSF	ЗН
38	64	RSP	4H
38	64	RSP	5H
38	64	RSP	6H
38	64	RSP	7H
2	65	INR	1H
9	65	SCI	1H
9	65	SCI	1H
13	65	SCI	1H
13	65	SCI	1H
14	65	DIN	1H
16	65	SAI	1H
18	65	DIN	1H
18	65	DIN	2H
23	65	DIN	1H

P P P F

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Row	<u>Col</u>	Ind	Locn	Remarks	
36	65	DIN	6H		
36	65	21	AV3		
3	66	INR	1H		
4	66	DI	3H	P	
4	66 66	DI	6H	P	
4	66	DI DI	3H 6H	P P	
4	66	98	3H	P	
4	66	DI	6H	P	
4	66	SAI	3H	P	
4	66	SAI	6H	p	
		tora to a	011		
10	66	SAI	1H	Р	
24	66	17	AV3		
29	66	13	AV1		
32	66	DI	2H	P	
32	66	SAI	2H	P	
37	66	DIN	ЗН		
21	00	DIN	20		
40	66	DIN	211		
194 P. (					
42	66	DIN	4 H		
3	67	TIN	TSH		
30	67	DIN	3 H		
32	67	DIN	2 H		
32	67	15	AV2		
32	67	19	EVA		
32	67	17	AV4		
2	68	LIN	5C		
6	00	P. 7.74	50		
4	68	TIN	TSH		
4	68	DIN	4H		
2.4.5					
8	68	INF	AV1	P	
8	68	SAI	1H	P	

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Row	<u>Col</u>	Ind	Locn	Remarks
40	68	15	AV2	
36	69	INF	7H	
2	70	INR	1H	
10	70	DIN	2H	
15	70	95	1H	P
15	70	DI	1H	Р
15				P
	70	SAI	1H	٤
27	71	INF	5H	
28	71	INF	6H	
28	71	INF		
			7H	
6	72	INF	6H	
8	72	INF	5C	
9	72 -	INF	3C	
13	72	SAI	1H	P
14	72	INF	AVI	
14	72	INF	AV4	
21	72	INF	AV1	
26	72	INF	7H	
29	72	INF	7H	
34	72	INF	AV2	
35	72	78	2 H	P
35	72	SAI	2H	P
38	72	DI	1H	P
38	72	SAI	1H	P
13	73	INF	AV1	
13	73	INF	AV4	
		3. 4* A	L7 A 48	

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distant interaction over the latest	and the state of t	and in which the same the same in the same same same	the sum internet when internet a summaries the second second	
Row	Col	Ind	Locn	Remarks
15	73	INF	1H	
17	73	INF	AV2	
18	73	INF	AV3	
21	73	INF	AV1	
27	73	INF	5H	
27	73	INF	7H	
29	73	DIN	4 H	
36	73	INF	AV1	
36	73	INF	AV2	
38	73	INF	AV1	
38	73	INF	AV2	
39	73	DIN	ЗН	
12	74	SCI	TSH	P
12	74	SCI	TSH	P
15	74	SAI	1H	Р
33	74	DJ	2H	р
33	74	MAI	2H	P
33	74	MAI	2H	P
3	75	RST	UB	
3	75	RST	6H	
3	75	DIN	4 C	
3	75	DIN	40	
4	75	TIN	TSH	
5	75	TIN	TSC	
16	75	DIN	-4 H	
28	75	DIN	1H	
30	75	INF	бH	

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survey and the second sec	the second division of a large part of the large	and the second s	the design of the set	and the second second of the second by the second
Row	Col	Ind	Locn	Remarks
2	76	DIN	2 H	р
2	76	DIN	3H	P
2	76	83	5H	p
2	76	SAI	51	p
	10	OAT	JI	
12	76	INF	7H	
16	76	MAI	1.H	Р
1.6	76	MAI	21	P
22	76	DIN	5H	
27	76	INF	AV1	
27	76	INF	AV2	
	10	1111	rive.	
4	77	TIN	TSH	
15	77	JAI	1H	P
1	77	SAI	1H	P
24	77	INF	1H	
24	77	INF	AV3	
27	77	INF	6H	
29	77	INF	6H	
30	77	INF	7H	
32	77	INF	1.H	
33	77	INF	AV2	
-1.4	77	TATE		
34		INF	2H	
31	78	DIN	5H	
34	78	INF	6H	
35	78	INR	1H	
24	79	INR	1.H	
23	79	INR	5H	

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

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Row	<u>Col</u>	Ind	Locn	Ramarks
28	79	INR	7H	
30	79	INR	7H	
31	79	INF	7H	
3.4	79	INR	5H	
27	80	17	AV3	
28	82	INF	LVA	
29	82	INT	AV1	
6	83	DIN	2H	
22	83	SCI	2H	P P
22	83	SCI	2H	P
26	83	INR	AV2	
2	84	DJN	4 H	
8	84	DIN	7 H	
11	84	DIN	7H	
13	85	DIN	1.H	
25	85	17	AV4	
25	86	DIN	1H	
25	86	22	AV4	
15	87	DIN	2H	
18	87	19	AV4	
5	88	DIN	lH	
20	88	DIN	1H	
21	88	DIN	1H	
22	88	24	AV3	

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

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Roy	\$c1	Ind	Locn	Remarks
2	09	DIN	3 H	
14	89	DIN	1H	
17 17	89 89	18 15	AV1 Av4	
21 21	89 89	DIN 21	2H AV3	
11	90	DIN	2H	
13 13	90 90	DI SAI	1H 1H	P P
14	90	DIN	2H	
17	90	DIN	2H	
19	90	DIN	2H	
12	91	DIN	1H	
14	91	DIN	1H	
15	91	DIN	2H	
12	92	DIN	1H	
13	92	DIN	1.H	
14	92	DIN	2H	
15	92	DIN	2H	
7	93	DIN	lH	
5	94	DIN	1H	

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* STABILIZERS INSTALLED

** VIRGINIA POWER DECISION TO PLUG AS A PRECAUTIONARY MEASURE

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

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Row	Col	Ind	Locn	Remarks	
8	2	DIN	2H		
6	3	SCI	1H	р	
11	3	DIN	48		
2	4	SAI	1.H	Р	
6	4	SAI	3 H	P	
8	4	DIN	1H		
12	4	RST	2H	р	
14	4	SCI	1H	P	
14	4	SCI	1H	P	
12		SCI	1H	P	
	5			P	
12	5 5	SCI	3H	P	
12	5	SCI	1H	P	
13	5	SCI	1H	P	
13	5	SCI	1H	P	
16	5	SCI	2H	P	
16	5	SCI	21	P	
17	5	DIN	1H		
14	6	SCI	2H	р	
14	6	SCI	24	P	
17	6	SAI	2H	Р	
17	6	SAI	2H	P	
2	7	DIN	1H		
3	7	IAZ	2 H	р	
4	7	DIN	4 H		
5	7	DIN	2 H		

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Row	<u>Col</u>	Ind	Locn	Remarks
16	7	MAI	1H	P
16	7	MAI	1H	P
16	7	IAM	1H	p
16	7	MAI	1H	P
20		TUTL		
17	7	SAI	1H	Р
21	7	MAI	1H	Р
21	7	IAM	1H	P
21	7	MAI	1H	p
21	7	MAI	1H	P
2	8	DIN	1H	
14	8	SCI	ЗН	р
14	8	SCI	3 H	P
	것입니다			
25	8	SAI	2H	P
25	8	SAI	2H	P
4	9	SAI	1H	P
4	9	SAI	1H	P
8	9	RST	2H	р
15	9	SAI	2 H	P
16	9	24	AV3	
20	9	19	AV2	Р
20	9	17	AV3	P
20	9	19	AV4	P
20	9	SAI	ЗН	P
20	9	MCI	311	p
20	9	MCI		
			3H	P
20	9	PMI	3H	Р
20	9	MCI	3 H	P
20	9	MCI	ЗН	Þ
4	10	DIN	1H	
4	10	DIN	6H	
	10	0.07		
12	10	SCI	1H	P
12	10	SCI	1H	Р

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	and the second se	the second se	and the second se	the second s
Row	<u>Col</u>	Ind	Locn	Remarks
14	10	86	2H	Р
14	10	SAI	2H	P
14	10	SCI	2H	
14	10	SAI	3H	P
14	10	SAI	3H	P
14	10	SCI	2H	P
14	10	SCI	2H	p
14	10	SAI	2H	p
	10	Ont	611	
16	10	SAI	2H	P
19	10	20	AV3	
24	10	SCI	зн	Р
24	10	MCI	3H	P
24	10	MCI	3 H	P
24	10	MCI	3 H	P
24	10	MCI	3 H	P
24	10	SCI	3 H	P
5	11	DIN	4H	Р
5	11	MAI	1H	P
5	11	MAI	1H	P
5	11	SCI	3H	P
5	11	SAI	3H	P
5	11	MCI	1H	P
5	11	MCI	1H	P
5	11	SAI	1H	P
5	11	PMI	1H	P
5	11	SCI	3H	P
5	11	SCI	3 H	P
5	11	MA_	1H	p
5	11	MAI	1H	P
7	11	DIN	1H	
1.8	11	SAI	1H	Р
20	11	DIN	СН	
24	11	SAI	lH	P
24	11	SAI	1H	Р
26	11	SAI	TSH	Р
2.6	11	SAI	TSH	Р

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and successive successive states and	and the second se	the second	and the second se	the state of the second of the second s
Row	Col	Ind	Locn	Remarks
27	11	TI	TSM	Р
27	11	SAI	TSH	P
27	11	SAI	TSH	P
	**	OBL	150	
7	12	DIN	1H	
24	12	18	AV2	
24	12	24	AV3	
24	12	20	AV4	
25	12	DI	1H	P
25	1.2	SAI	1H	P
2	13	DIN	1H	
6	13	95	2H	р
6	13	95	2H	P
	13	SAI	2H	P
6				
6	11	SAI	2H	Р
4	1.4	IC	2H	Р
4	14	SAI	2H	P
		9110		
9	14	100	2H	P
9	14	SAI	2H	P
9	14	SAI	2H	p
11	14	SCI	ЗН	Р
12	14	DIN	2H	
16	14	DIN	ЗН	
26	1.4	20	AV1	
26	14	23	AV2	
2	15	TIN	TSH	
6	15	DIN	2H	
18	15	DIN	2 H	
20	15	DIN	7 H	

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11       16       SCI       1H       P         26       16       SAI       1H       P         27       16       MAI       1H       P         29       16       SCI       1H       P         29       16       SAI       1H       P         29       16       17       AV3       P         31       16       17       AV3       P         24       17       SAI       1H       P         27       17       SAI       6H       P         17       18       SAI       1H       P         27       18       SAI       6H       P         30       18       SCI <t< th=""><th>Row</th><th><u>Col</u></th><th>Ind</th><th>Locn</th><th>Remarks</th><th></th></t<>	Row	<u>Col</u>	Ind	Locn	Remarks	
11       16       SCI       1H       P         26       16       SAI       1H       P         27       16       MAI       1H       P         29       16       SAI       1H       P         29       16       FMI       1H       P         29       16       FMI       1H       P         29       16       SAI       1H       P         21       17       SAI       1H       P         24       17       SAI       1H       P         17       18       51       1H       P         17       18       SAI       6H       P         27       18       SAI <td< td=""><td>11</td><td>16</td><td>SCI</td><td>1H</td><td>Р</td><td></td></td<>	11	16	SCI	1H	Р	
27       16       92       1H       P         27       16       MAI       1H       P         29       16       SAI       1H       P         29       16       SCI       1H       P         29       16       SCI       1H       P         29       16       SAI       1H       P         29       16       SAI       1H       P         31       16       17       AV3          19       17       SAI       1H       P         24       17       SAI       1H       P         27       17       SAI       6H       P         17       18       51       1H       P         27       18       SAI       6H       P         27       18       SAI       6H       P         27       18       SAI       6H       P         30       18       SCI       2			SCI	1H	Р	
27       16       MAI       1H       P         29       16       SAI       1H       P         29       16       SCI       1H       P         31       16       17       AV3	26	16	SAI	1H	р	
27       16       MAI       1H       P         29       16       SAI       1H       P         29       16       SCI       1H       P         29       16       PMI       1H       P         31       16       17       AV3					р	
27       16       MAI       1H       P         29       16       SAI       1H       P         29       16       SCI       1H       P         29       16       PMI       1H       P         31       16       17       AV3	27	16	MAI		P	
27       16       MAI       1H       P         29       16       SAI       1H       P         29       16       SCI       1H       P         29       16       PMI       1H       P         31       16       17       AV3          19       17       93       1H       P         24       17       SAI       1H       P         27       17       SAI       6H       P         8       18       DIN       3H       1         17       18       51       1H       P         17       18       SAI       6H       P         27       18       SAI       6H       P         27       18       SAI       6H       P         30       18       SCI       2H       P         30       18       SCI       2H       P         2       19       DIN       2H       P         11       19       SAI       2H       P         11       19       SAI       2H       P         11       19       SAI       2H<					P	
29       16       SAI       1H       P         29       16       PMI       1H       P         31       16       17       AV3         19       17       SAI       1H       P         19       17       SAI       1H       P         24       17       SAI       1H       P         27       17       SAI       6H       P         8       18       DIN       3H       P         17       18       SI       6H       P         17       18       SAI       6H       P         27       18       SAI       6H       P         17       18       SAI       6H       P         27       18       SAI       6H       P         30       18       SCI       2H       P         30       18       SCI       2H       P         2       19       DIN       2H       P         11       19       SAI       1H       P         11       19       SAI       2H       P         11       19       SAI       2H					P	
29       16       SCI       1H       P         31       16       17       AV3         19       17       93       1H       P         19       17       SAI       1H       P         24       17       SAI       1H       P         27       17       SAI       6H       P         8       18       DIN       3H       P         17       18       51       1H       P         17       18       SAI       6H       P         17       18       SAI       6H       P         27       18       SAI       6H       P         27       18       SAI       6H       P         30       18       SCI       2H       P         30       18       SCI       2H       P         30       18       SCI       2H       P         11       19       SAI       1H       P         11       19       SAI       2H       P         11       19       SAI       2H       P         11       19       SAI       2H	27	16	MAI	1H	P	
29       16       PMI       1H       P         31       16       17       AV3         19       17       93       1H       P         19       17       SAI       1H       P         24       17       SAI       1H       P         27       17       SAI       6H       P         8       18       DIN       3H       P         17       18       51       1H       P         17       18       SAI       6H       P         27       18       SAI       6H       P         30       18       SCI       2H       P         30       18       SCI       2H       P         11       19       SAI       2H	29	1.6	SAI	1H	р	
31       16       17       AV3         19       17       93       1H       P         19       17       SAI       1H       P         24       17       EAI       1H       P         27       17       SAI       6H       P         8       18       DIN       3H       P         17       18       51       1H       P         17       18       SAI       6H       P         17       18       SAI       1H       P         27       18       SAI       6H       P         30       18       SCI       2H       P         30       18       SCI       2H       P         11       19       SAI       1H       P         11       19       SAI       2H	29	16	SCI	1H		
19       17       93       1H       P         24       17       EAI       1H       P         27       17       EAI       1H       P         8       18       DIN       3H       P         17       18       51       1H       P         17       18       51       1H       P         17       18       SAI       6H       P         27       18       SAI       6H       P         27       18       SAI       6H       P         30       18       SCI       2H       P         30       18       SCI       2H       P         11       19       SAI       1H       P         11       19       SAI       2H	29	16	PMI	1H	р	
19       17       SAI       1H       P         24       17       SAI       1H       P         27       17       SAI       6H       P         8       18       DIN       3H	31	16	17	AV3		
19       17       SAI       1H       P         24       17       SAI       1H       P         27       17       SAI       6H       P         8       18       DIN       3H	19	17	93	1H	Р	
27       17       SAI       6H       P         8       18       DIN       3H       11         17       18       51       1H       P         17       18       51       1H       P         17       18       SAI       6H       P         27       18       SAI       6H       P         30       18       SCI       2H       P         30       18       SCI       2H       P         11       19       SAI       1H       P         11       19       SAI       2H       P         11       19       SAI			SAI	1H	Р	
8         18         DIN         3H           17         18         51         1H         P           17         18         PID         1H         P           17         18         SAI         1H         P           27         18         SAI         6H         P           30         18         SCI         2H         P           30         18         SCI         2H         P           11         19         SAI         1H         P           11         19         SAI         2H         P	24	17	EAI	1H	Р	
17       18       51       1H       P         17       18       SAI       1H       P         27       18       SAI       6H       P         27       18       SAI       6H       P         30       18       SCI       2H       P         30       18       SCI       2H       P         2       19       DIN       2H       P         11       19       SAI       2H       P	27	17	SAI	6H	Р	
17       18       PID SAI       1H 1H       P         27       18       SAI SAI       6H 6H       P         30       18       SCI SCI       2H 2H       P         2       19       DIN       2H         11       19       SAI SAI       2H 2H       P         11       19       SAI 2H       2H       P	8	18	DIN	ЗН		
17       18       PID SAI       1H 1H       P         27       18       SAI SAI       6H 6H       P         30       18       SCI SCI       2H 2H       P         2       19       DIN       2H         11       19       SAI SAI       2H 2H       P         11       19       SAI 2H       2H       P	17	18	51	1H	P	
17       18       SAI       1H       P         27       18       SAI       6H       P         30       18       SCI       2H       P         30       18       SCI       2H       P         2       19       DIN       2H       P         11       19       SAI       1H       P         11       19       SAI       2H       P						
27       18       SAI       6H       P         30       18       SCI       2H       P         30       18       SCI       2H       P         2       19       DIN       2H       P         11       19       SAI       1H       P         11       19       SAI       2H       P						
27     18     SAI     6H     P       30     18     SCI     2H     P       30     18     SCI     2H     P       2     19     DIN     2H       11     19     SAI     1H     P       11     19     SAI     2H     P	27	18	SAI	6H	p	
30         18         SCI         2H         P           2         19         DIN         2H            11         19         SAI         1H         P           11         19         SAI         2H         P	27	18	SAI	6H	P	
30     18     SCI     2H     P       2     19     DIN     2H       11     19     SAI     1H     P       11     19     SAI     2H     P	30	18	SCI	21	Р	
11     19     SAI     1H     P       11     19     SAI     2H     P       11     19     SAI     1H     P       11     19     SAI     2H     P       11     19     SAI     2H     P				2H	P	
11     19     SAI     2H     P       11     19     SAI     1H     P       11     19     SAI     2H     P	2	19	DIN	2 H		
11     19     SAI     2H     P       11     19     SAI     1H     P       11     19     SAI     2H     P	11	19	SAI	1H		
11 19 SAI 1H P 11 19 SAI 2H P	11			2H		
11 19 SAI 2H P	11	19	SAI	1H	P	
15 19 35 TSH	11	19	SAI	2H	Р	
** ** ** ***	15	19	35	TSH		

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

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and the second se	and the second second second because a	the state of the s	and the survey of the local state of the survey of the sur	and a second data was a first present of the second of the second s
Row	<u>Col</u>	Ind	Locn	Remarks
5	22	24	TSH	Р
5	22	SCI	1H	P
5	22	SCI	1H	Р
15	22	29	TSH	Р
15	22	SCI	1H	P
15	22	SCI	2 H	P
15	22	SCI	1H	P
15	22	SCI	2H	P
32	22	DI	2H	P
32	22	SAI	2H	P
2	23	SAI	1H	Р
10	23	SCI	1H	P
10	23	SCI	2H	P
10	23	MAI	3 H	P
10	23	MAI	3H	P
10	23	MAI	3 H	P
10	23	MAI	3H	P
20	23	SCI	lH	P
10	23	SCI	2 H	Р
10	23	SCI	ЗН	Р
20	23	37	TSH	Р
20	23	34	TSH	Р
22	23	21	AV2	
22	23	23	AV3	
22	23	22	AV4	
23	23	SAI	4 H	
23	23	SAI	4 H	
30	23	SCI	1.H	Р
30	23	SCI	1H	P
32	23	INF	AV3	

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	Construction of the second sec	and an an other state of the st	and designed in the second state of the	and an experimental sector of the sector of
Rov	Col	Ind	Locn	Remarks
5	24	SAI	2H	P
5	24	SCI	ЗН	p
5	24	SCI	3 H	P
5	24	SAI	2H	P
5	24	SCI	ЗН	p
5	24	SCI	3H	P
	64	501	511	P
6	24	SAI	4 H	Р
8	24	SCI	ЗН	P
8	24	SCI	3 H	P
8	24	SCI	3 H	P
11	24	DIN	6H	
17	24	44	TSH	р
2.7	24	59	TSH	P
19	24	TIN	TSH	
23	24	INR	5H	
35	4	SAI	1H	р
37	24	24	AV1	
37	24	27	AV2	
37	24	22	AV3	
3	25	SAI	2H	p
3	25	SAI	4K	P
3	25	SAI	2H	P
3	25	SAI	4 H	P
23	25	SCI	3H	р
23	25	SCI	ЗН	P
6.5	60	001	511	r.
7	26	SCI	1.H	P
7 7	26	SAI	3 H	P
7	26	SCI	1.H	Р
9	26	DIN	7H	
10	26	SAI	2H	Р

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Row	Col	Ind	Locn	Remarks	
22	26	SCI	1H	р	
22	26	SCI	1H	p	
40	26	25	1H		
2	27	MAI	1H	Р	
2	27	MAI	1H	P	
12	27	DIN	2H		
15	27	DIN	ЗН		
21	27	SCI	TSH	р	
21	27	SCI	TSH	p	
24	27	SCI	2H	P	
24	27	SCI	2H	р	
24	27	SCI	2H	P	
24	27	SCI	2 H	P	
3.8	27	22	EVA		
1.0			1		
16	28	DI	2H	p	
16	28	DI	2H	P	
16	28	SAI	2H	Р	
10	29	MCI	2H	р	
10	29	MCI	2H	P	
10	29	SAI	2H	P	
10	29	SCI	2H	P	
10	29	25	TSH	P	
10	29	MCI	2H	P	
10	29	MCI	2H	P	
10	29	SAI	2H	P	
10	29	SCI	2H	P	
10	20	961	11 3	F	
18	29	DI	2H	P	
18	29	SAI	2H	р	
30	29	INR	EVA		
				and the second second second	
16	30	SCI	1H	P	
16	30	SCI	1H	P	

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the second s	and in the second s	in problem income in the second state of the s	a product and in the second large and the party and the design of the large design of	the bank was a proving the second by the bank was the second was the second second by the second second second	
Row	Col	Ind	Loch	Remarks	
18	30	SCI	2 H	р	
18	30	SCI	2H	p	
25	30	INR	AV3		
31	30	INF	AV2		
100					
37	30	INF	AV2		
10	5.0	T 51 75			
40	30	INF	AV1		
40	3.0	INF	AV2		
7	31	DIN	3H		
7	31	DIN	3H		
7	31	DIN	4H		
7	31	DIN	4H		
	~~	D'TH	***		
8	31	DIN	3 H		
8	31	DIN	4 H		
8	31	DIN	5H		
8	31	DIN	5H		
9	31	DIN	ЗН		
9	31	DIN	5H		
9	31	DIN	5H		
9	31	DIN	6H		
9	31	DIN	6H		
10	31	DIN	4 H		
10	31	DIN	5H		
10	31	DIM	6H		
11	31	DIN	6H		
2.4	2.5	DITA	634		
14	31	DIN	5H		
14	31	DIN	6H		
17	31	DIN	5H		
20	31	DIN	4 H		
20	31	DIN	5H		
20	31	DIN	6H		

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the second s	and the second se	and the state of t	a production of the standard for the standard state of the state of the	and the second
Row	<u>Col</u>	Ind	Locn	Remarks
31	31	DIN	2H	
31	31	DIN	3H	
		NA M		
38	31	INF	AV3	P
38	31	SCI	2H	Р
38	31	SCI	2 H	P
39	31	INR	AV3	
40	31	INR	AV2	P
40	31	INR	AV3	P
40	31	26	2.C	P
40	31	SCI	2H	P
40	31	SCI	2H	P
41	31	INF	AV3	
7	32	DIN	2H	
7	32	DIN	4 H	
7	32	DIN	6H	
8	32	DIN	6H	
13	32	DIN	4H	
13	32	DIN	6H	
20	20	211	on	
14	3.2	DIN	4 H	
14	32	DIN	5H	
14	32	DIN	6H	
25	32	DIN	6H	
41	32	DIN	4H	
43	32	DIN	6H	
5	33	SCI	1H	Р
5	33	SCI	1H	Р
6	33	DI	1H	Р
6	33	DIN	2 H	Р
6	33	DIN	6C	P
6	33	SCI	1H	P
6	33	SAI	1H	Р

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and the second states which is shown in the				
Row	<u>Col</u>	Ind	Locn	Remarks
8	33	DIN	5H	Р
8	33	SAI	2H	P
8	33	PMI	2H	P
8	33	SCI	2H	P
9	33	SCI	4 H	P
9	33	DIN	7H	P
12	33	20	TSH	
14	33	DIN	60	
14	33	DIN	5C	
		011		
15	33	DIN	1H	
15	33	DIN	4 H	
21	33	INF	AV4	
			the state of the s	
25	33	19	EVA	
32	33	24	AV3	
	~ ~		AT S	
36	33	SCI	2H	P
36	33	SCI	2H	P
36	33	SCI	2H	P
36	33	SCI	2H	P
38	33	RST	2H	Р
44	33	DIN	lH	
44	33	DIN	2H	
44	33	DIN	4 H	
44	33	DIN	5H	
2	34	TIN	TSH	
			2 6722	
10	34	DIN	4 H	
11	34	DI	1.H	P
11	34	SAI	2.H	P
2.0	2.4		mon	
12	34	19	TSH	
13	34	DIN	7 H	
		Sec. 14	7.4A	

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			-,	
Row	Col	Ind	Locn	Remarks
15	34	DIN	1H	
21	34	SCI	1H	р
21	34	SCI	1H	Р
23	34	TIN	TSH	
41	34	19	AV3	
11	35	SAI	2H	ł
11	35	SAI	211	Р
12	35	SCI	ЗН	р
12	35	SCI	3 H	Р
1.3	35	25	TSH	Р
13	35	SCI	1.H	P
13	35	SCI	1H	Р
14	35	INR	TSH	
25	35	SAI	1H	р
25	35	SAI	1H	Р
38	35	RST	21	Р
39	35	SCI	2H	P
4	36	SCI	1H	р
4	36	SCI	3H	P
4	36	SCI	3H	P
4	36	SCI	4 H	P
4	36	SCI	4 H	Р
4	36	SCI	1H	P
4	36	SCI	3 H	P
4	36	SCI	3H	P
4	36	SCI	4 H	P
4	36	SCI	4 H	Р
7	36	SCI	1H	Р

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Row	<u>Col</u>	Ind	Locn	Remarks
11	36	SAI	1H	P
1.1	36	SAI	2.H	P
11	36	SAI	1H	P P
11	36	SAI	2H	P
**	30	DAL	20	F
12	36	15	TSH	
14	36	SAI	1H	P
14	36	SAI	1H	P
24	36	SCI	1H	P
24	36	SCI	1H	P
33	36	SAI	1H	P
33	36	SAI	1.13	P
38	36	RST	2H	P
40	36	RST	2H	p
5	37	SCI	5H	P
5	37	SCI	5H	P
		U.U.A	211	
7	37	TIN	TSH	p
7	37	SCI	4H	P
7	37	SCI	4H	p
1		0.64	411	
13	37	32	TSH	
26	37	DI	1H	p
26	37	TAD	1H	P
26	37	SAI	1H	P
20		ONL	111	1. A
32	37	TIN	TSH	P
32	37	SCI	2H -	P
32	37	SCI	2 H	P
	6 (gb) / 7 (c)			
43	37	DIN	1H	
	1.56			
12	38	TIN	TSH	
0.0	2.0		0.11	-
23	38	DI	2H	P
23	38	SAI	2H	P

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

				and a second	And and the second s
Row	<u>Col</u>	Ind	Locn	Remarks	
28	38	INF	TSH		
28	38	INR	AV2		
28	38	INR	εVA		
31	38	INR	£VA		
32	38	INR	AV3		
33	38	INR	AV1		
33	38	INR	AV2		
4	39	TIN	TSH		
11	39	SCI	1H	P	
11	39	SCI	1H	Р	
12	39	22	TSH		
13	39	6	TSH	р	
13	39	SCI	2 H	P	
13	39	SCI	1H	P	
13	39	SCI	2H	P	
13	39	SCI	2H	P	
13	39	SCI	3 H	P	
13	39	SCI	3 H	P	
13	39	SCI	1H	P	
13	39	SCI	1H	P	
13	39	SCI	2H	P	
13	39	SCI	2H	P	
13	39	SCI	3 H	P	
1.3	39	SCI	ЗН	P	
18	39	INF	AV1		
30	39	INF	AV3		
5	40	93	2H	P	
5	40	SAI	2 H	P	
5	40	SAI	2H	P	

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Row	<u>Col</u>	Ind	Locn	Remarks
6	40	SCI	2H	p
6	40	SAI	3 H	P
6	40	SCI	3H	p
6	40	PMI	3H	P
6	40	SAI	4H	P
6	40	SCI	2H	P
6	40	SCI	3H	P
5	40	SAI	4H	P
8	40	INF	TSH	
0	40	2.112	1 1241	
25	40	SCI	2H	P
25	40	SCI	2H	P
36	40	SAI	1H	P
36	40	SAI	1.H	P
39	40	14	EVA	
41	40	16	AV3	
14	41	INF	TSH	
15	41	SCI	2 H	P
15	41	SCI	2H	Р
30	41	INF	TSH	
34	11	83	1H	Р
34	41	MAI	1H	P
34	41	MAI	1H	P
45	41	RS1	3 H	P
11	42	INF	TSH	
11	42	TIN	TSH	
12	42	18	TSH	
26	42	34	TSH	
26	42	36	TSH	
34	42	SAI	2H	P
34	42	SAI	2H	p
		Sec. 4	6- A A	•

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

Row	<u>Col</u>	Ind	Locn	Remarks	
41	42	SAI	3 H	P	
41	42	SCI	3H	P	
41	42	SCI	3H	P	
45	42	SCI	2H	P	
45	42	SCI	2H	p	
3	43	DI	1H	P	
	43	SCI	1H	P	
3	43	SAI	1H	P	
3	43	PMI	1H	P	
3	43	SCI	1H	E2	
3	43	SCI	2 H	P	
333333333333333333333333333333333333333	43	SAI	1H	Р	
3	43	SAI	1H	P	
3	43	SCI	2H	P	
8	43	SAI	1H	P	
10	43	13	TSH		
15	43	SCI	2H	p	
15	43	SCI	28	P	
10	4.5	Der	- 11 - 11 - 11 - 11 - 11 - 11 - 11 - 1		
19	43	24	AV4		
20	43	SAI	2H	P	
20	43	SAI	2H	P	
37	43	SCI	2H	P	
37	43	SCI	2H	P	
16	44	SAI	3H	P	
1.6	44	SAI	4 H	P	
16	44	SAI	3 H	P	
16	44	SAI	4 H	P	
18	44	MCI	2H	P	
18	44	MCI	2H	P	
18	44	MCI	2H	Р	
18	44	MCI	2 H	P	
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				

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Manual Processing Street, Street, or other	CONTRACTOR OF A DESCRIPTION OF A DESCRIP	sequences and the second s	and the sector of the sector and the sector sector and the sector sector and the sector of the secto	sense and an experimental sector of the sector sector of the
Row	<u>Col</u>	Ind	Locn	Remarks
36	44	SCI	2H	P
36	44	SCI	2H	P
36	44	SCI	2H	P
36	44	SCI	2H	P
11	45	43	3 H	P
11	45	PID	ЗН	P
17	45	19	AV4	
19	45	0.0	211	
		98	2H	P
19	45	88	2H	P
19	45	DIN	4H	Р
19	45	24	AV4	p
19	45	SCI	TSH	P
19	45	SCI	TSH	P
19	45	MAI	ZH	P
19	45	IAM	2H	1>
19	45	SAI	2H	P
46	45	DIN	2H	
16	45	SCI	2H	Р
16	46	SCI	2H	P
		1956		
17	46	DIN	2H	
18	46	87	1H	р
18	46	SAI	1H	P
18	46	SCI	1H	P
18	46	PMI	1H	P
27	46	SCI	TSH	P
27	46	SCI	TSH	P
34	46	30	MOU	
			TSH	
34	46	20	TSH	
26	47	DI	1H	P
26	47	87	1H	P
26	47	SAI	3.H	P
26	47	SAI	2H	p
26	47	SAI	2 H	P

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

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Row	Col	Ind	Locn	Remarks
37	47	SCI	2H	р
37	47	SCI	2H	P
7	48	DIN	1H	
28 28	48 48	SCI	TSH TSH	P P
8	49 49	SCI	1H 1H	P P
9	49	SCI	1H	Р
9	49	SCI	îH	P
9	49	SCI	1H	p
9	49	SCI	1H	P
14	49	17	TSH	Р
14	49	DI	2H	p
14	49	2.4	TSH	P
14	49	24	TSH	P
14	49	SAI	2H	Р
15	49	SCI	1H	р
15	49	SCI	ЗН	2
15	49	SCI	1H	Р
15	49	SCI	ЗН	р
16	49	SAI	2H	Р
16	49	SAI	2H	P
16	49	SAI	2 H	P
16	49	SAJ	2H	Р
17	49	SCI	TSH	р
19	49	DIN	2H	
37	49	SCI	2H	P
37	49	SCI	2H	P
37	49	SCI	2H	P
37	49	SCI	2H	Р
22	50	SAI	2H	Р
25	50	MCI	TSH	P
25	50	MCI	TSH	P
2.0		101	1.011	

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Row	<u>Col</u>	Ind	Locn	Remarks
40	50	17	AV4	
44	50	SCI	2H	
44	50	SCI	2H	
7	51	DIN	1H	
18	51	DI	4 H	р
18	51	SAI	4 H	P
18	51	SAI	4 H	P
35	51	SCI	211	P
35	51	SCI	2H	P
35	51	SCI	2H	P
35	51	SCI	2H	P
5	52	21	TSH	
2	56	6.1	1011	
20	52	SCI	2H	P
20	52	SCI	2H	P
28	52	DIN	3 H	
28	52	DIN	4 H	
36	52	SCI	3H	P
36	52	SCI	3H	P
12	53	DIN	4 H	
19	53	DIN	ЗН	
30	53	DIN	3 H	
39	53	DIN	ЗН	
42	53	SAI	2H	Р
42	53	SAI	2H	P
4.2	50	DIN	414	
43	53	DIN	4H	
44	53	DIN	5H	
11	54	DIN	1H	
11	54	DIN	1H	

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Row	Col	Ind	Locn	Remarks
18	54	SCI	2H	P
18	54	97	2H	P
18	54	DI	2H	P
18	54	SCI	2H	P
20				
20	54	DIN	2H	
23	54	DIN	2H	
26	54	DIN	2H	
27	54	DIN	4 H	
37	54	SCI	ЗН	Ø
16	EE	COT	211	Ð
16	55	SCI	2H	P
16	55	SCI	2H	P
27	55	34	TSH	
33	55	DIN	1H	р
33	55	SAI	1H	P
14	56	DIN	1H	
25	56	DIN	2H	р
25	56	SCI	TSH	P
25	56	SCI	TSH	Р
2.6	56	85	2H	Р
26	56	SAI	2H	p
20	20	Shi	611	E .
7	57	SCI	1H	P
7	57	SCI	1H	P
10	57	96	2H	р
10	57	99	5H	P
10	57	SAI	2H	P
10	57	SAI	5H	p
20		ONI	511	T.
13	57	DIN	3H	
15	57	DIN	2 H	
15	57	DIN	2 H	

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And the second statements	and the second s	and a second s	and there is no first of the large day of the second state of the second state of the	and the second se
Row	Col	Ind	Locn	Remarks
21	57	INF	TSH	
22	57	DIN	4 H	
25	57	DIN	3H	Р
25	57	DIN	4H	P
25	57	DIN	6H	P
				P
25	57	SCI	TSH	P
30	57	DIN	5H	
32	57	98	2H	P
32	57	SAI	2H	P
34	57	DIN	4 H	
34	57	DIN	5H	
37	57	DIN	1H	
40	57	DIN	2.H	
41	57	DIN	5H	
43	57	DIN	4 H	
10	58	97	3.17	р
12			1H	
12	58	SAI	ιH	Р
20	58	33	114	
43	58	32	AV1	
44	58	-	-	P *
28	59	SCI	2H	P
28	59	SCI	2H	Р
12	60	SCI	1H	р
				P
12	60	SCI	1H	P
27	60	26	TSH	Р
27	60	SCI	2H	P
27	60	SCI	2H	P
43	60	DIN	1H	

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Row	<u>Col</u>	Ind	Locn	Remarks
10	61	99	1H	P
10	61	99	1H	P
10	61	SAI	1H	P
	~ -			
27	61	INF	TSH	
28	61	SCI	2H	F
28	61	SCI	2H	p
		br br d		
17	62	SCI	2H	р
17	62	SCI	2H	P
				1. A. R. G. LA.
6	63	25	TSH	P
6	63	DI	1H	P
6	63	SAI	1H	P
17	63	SAI	2H	P.
23	63	DIN	2 H	24
28	63	DIN	3H	
30	63	SCI	2H	P
30	63	SCI	2H	P
31	63	INF	EVA	
11	64	80	1H	P
11	64	SAI	ιH	P
14	64	DIN	1H	
14	64	DIN	14	
20	64	DIN	3H	
23	64	96	2H	P
23	64	SAI	2 H	P
29	64	SCI	2H	0
29	64	SAI	2 H	P
29	64	SCI	2H	P
29	64	74	2H	P
29	64	89	2H	P
29	64	SCI	211	p
2.2	0.4	001	211	r

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Row	<u>Co1</u>	Ind	Locn	Remarks
31	64	DIN	зн	Р
31	64	DIN	3H	P
31	64	SAI	2H	P
24	04	ONI	zn	r .
9	65	SCI	2H	P
9	65	SCI	2H	p
9	65	38	TSH	P
9	65	SCI	2H	P
9	65	SCI	3H	p
9	65		3H	p
9	0.5	SCI	sn	r
10	65	DI	1	P
10	65	SAI	ĨH	P
30	65	50	2H	P
30	65	SAI	2 H	P
4	66	SCI	1H	P
24	66	SCI	1H	P
24	66	SCI	1H	P
		10.000		
15	67	SAI	1H	P
			2170	
29	67	17	AV2	
29	67	23	AV3	
30	67	SCI	2H	р
30	67	SCI	2H	P
30	67	SAI	2H	P
			2H	P
30	67	PMI	211	F
34	68	SCI	2H	P
34	68	SCI	2H	P
7	69	SCI	3H	P
7	69	SCI	ЗН	P
· · · ·	05	Det	211	
24	69	10	AV3	
24	69	21	AV4	
29	69	SAI	2 H	Р
36	69	19	AV3	
1.1.1.1				

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

1.0

Row	<u>Col</u>	Ind	Locn	Remarks
3	70	DIN	ЗН	P
7.33	70 70	SAI SAI	1H 1H	P P
4 4	20	DI SAI	1H 1H	P
		Uni	211	
18	70			Ъ *
28	70	SCI	2H	P
28	70	SCI	2H	Р
30	70	SAI	2H	p
30	70	SCI	2H	P P
30 30	70 70	PMI SCI	2H 2H	P
			집안 전체 같은	
32	70	14	EVA	
35	70	20	AV3	
37	70	20	AV3	
38	70	21	AV3	
39	70	22	AV3	
19	71	29	TSH	
27	71	MCI	2H	P
27	71	MCl	2 H	P
27 27	71 71	MCI MCI	2H 2H	P p
61	14	Not	211	£
37	71	19	AV3	
38	71	INR	AV3	
9	72	DIN	1H	
10	72	MCI	TSH	P
10	72	MCI	TSH	P
20	72	20	AV4	

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and the second	the second s	CARLES INTERNAL AND ADDRESS IN ADDRESS INTADORESS	and the second	the second se	Contract of the second second
Row	<u>Col</u>	Ind	Locn	Remarks	
24	72 72	25 27	AV3 AV4		
25	72	22	AV4		
26 26	72 72	SCI SCI	2R 2H	P P	
33 31	72 72	17 18	AV3 AV4		
35	7.3	20	AV4		
36	72	20	AV4		
37 37	72 72	20 22	AV3 AV4		
39 39	72 72	18 20	AV3 AV4		
3 3	73 73	DI SAI	4 H 4 H	P P	
24	73	17	AV2		
25	73	21	AV2		
29	73	DIN	2H		
31	73	DIN	2H		
32	73	INR	AV3		
36	73	18	AV3		
37	73	INR	AV3		
18	75	DIN	5H		
19	75	INR	AV3		
21	75	15	AV3		

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

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

1 10 1

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

Row	Col	Ind	Locn	Remar's
6	86	DIN	4H	р
6	86	SCI	3H	P
6	86	SCI	ЗН	р
11	86	SCT	2H	р
11	86	SCI	2H	P
14	86	INF	AV4	
12	87	SAI	1H	Р
12	87	SAI	1H	P
3	90	DIN	1H	
3	90	DIN	3 H	

P = PLUGGED

Ö

* = VIRGINIA POWER DECISION TO PLUG AS A PRECAUTIONARY MEASURE

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

#### GLOSSARY OF TERMS

- 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.
- DI Distorted indication a possible tube wall loss condition that is unquantifiable with a numeric percent call due to the existing signal characteristics.
- 3) DIN Distorted dication Not Confirmed a possible tube wall loss condition that is unquantifiable with a numeric percent call due to the existing signal characteristics which was tested by the RPC probe and was not confirmed.
- 4) INF Indication Not Found indicates that a previously reported Indication, from current inspection data or historical data, is not found in the data being analyzed - also used to address the case where a tube/signal is being retested for positive identification (PID) and the retest data does not show any signal present.
- 5) INR Indication Not Reportable indicates that a very small tube wall loss condition exists in the data being analyzed that is below the reportable criteria threshold for this specific inspection - can be used to address indications called in previous inspections that are still detectable but fall below current criteria.
- 6) MAI Multiple Axial Indication describes multiple axially oriented indication signals from Rotating Pancake probe data.
- 7) MCI Multiple Circumferentially oriented Indication describes multiple circumferentially oriented indication signals from Rotating Pancake probe data - COI is used if it is impossible to clearly detect the number of signals present.
- 8) PI Possible Indication (retest) generally used with 8x1 analysis, sometimes with bobbin analysis - describes a potential wall loss condition signal that typically requires a retest for verification - sometimes retested with a special probe, e.g., MRPC, etc.

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

- 9) PID Positive Identification verification of a previously reported tube ROW COL identifier and signal - achieved through analysis of a second set of test data - typically used to verify pluggable tube sig als - INF is used to describe the condition where a signal is not detectable upon analysis of the second set of data.
- 10) PMI Possible Mixed Mode Indication used when there is a possible cirfumferential and axial indication at the same intersection.
- 11) RSP Restricted Support Plate indicates that the RPC probe listed in the record would not physically pass the location specified or data could not be collected due to denting at the support.
- 12) RST Restricted indicates that the probe listed in the record would not physically pass the location specified.
- 13) SAI Single Axial Indication describes a single axially oriented signal from Rotating Pancake probe data.
- 14) SCI Single Circumferentially oriented Indication describes a single circumferentially oriented indication signal from Rotating Pancake probe data - COI is used if it is impossible to clearly detect the number of signals present.
- 15) TIN Tubesheet Indication Not Confirmed a possible tube wall los: condition that is unquantifiable with a numeric percent call due to the existing signal characteristics which was tested by the RPC probe and not confirmed.
- 16) TIU Tube I.D. Uncertain (retest) indicates that the ROW and/or COL identifier for a given tube is in doubt and that the tube must be retested.
- 17) 55 A number in the indication column shows the % thru wall depth of the indication.
- 18) TEH Tube End Hot leg.
- 19) TEC Tube End Cold leg.
- 20) TSH Top of Tubesheet Hot leg.
- 21) TSC Top of Tubesheet Cold leg.
- 22) #C, #H (# = number) of Support Plate Hot or Cold leg. e.g., 3H, 6H, 7C.

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

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

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

## ATTACHMENT 2

# 1992 UNIT 1 STEAM GENERATOR INSPECTION OUTAGE INSERVICE INSPECTION SUMMARY REPORT

OWNER'S REPORT OF REPAIRS AND REPLACEMENTS

NORTH ANNA POWER STATION - UNIT 1

VIRGINIA ELECTRIC AND POWER COMPANY

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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 II, pages 5 thru 33) represent those repairs and replacements performed on Class 1 or Class 2 systems:

- A) 91-118 Repaired a 3/4" socket weld on the bottom disc pressurization line for the "A" loop hot leg stop valve 1-RC-MOV-1590, Class 1. The cracked weld was discovered as part of the inspection program for the loop stop valve disc pressurization lines. The repair was completed on 5/20/91.
- B) 91-121 Repaired a 3/4" socket weld on the bottom disc pressurization line for the "B" loop hot leg stop valve 1-RC-MOV-1592, Class 1. The cracked weld was discovered as part of the inspection program for the loop stop valve disc pressurization lines. The repair was completed on 5/20/91.
- C) 91-123 Repaired a 3/4" socket weld on the top disc pressurization line for the "B" Loop hot leg stop valve 1-RC-MOV-1592, Class 1. The cracked weld was discovered as plot of the inspection program for the loop stop valve disc pressurization lines. The repair was completed on 5/20/91.
- D) 91-126 and 91-126A Repaired defects in the valve body of the "B" Loop cold stop valve 1-RC-MOV-1593. The defects were discovered as part of the inspection program for the loop stop valve disc pressurization lines. The repair was completed on 5/20/91.
- E) 91-226 Replace 12 studs and 24 nuts one at a time on 10" quench spray valve, 1-QS-1, Class 2. The studs and nuts were replaced to stop a body to bonnet leak. The replacement was completed on 2/3/92.
- F) 91-B092 Replaced 8 studs and 16 nuts on reactor coolant restriction orifice 1-RC-RO-100B, Class 1. The studs and nuts were replaced due to corrosion. The replacement was complete on 7/16/91.
- G) 91-B093 Replaced 12 stude and 24 nuts on safety injection value 1-SI-MOV-2862A, Class 2. The stude and nuts were replaced due to corrosion. The replacement was complete on 8/6/91.
- H) 92-004 Removed weld spatter from the exterior of a 2" safety injection line, 2"-SI-33-153A-Q2, Class 2. The weld spatter was found during a QC walkdown. The repair was complete on 1/10/92.

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- 92-005 Removed an arc strike and weld spatter from the exterior of a 3" safety injection line, 3"-SI-256-153A-Q2, Class 2. The arc strike and weld spatter were found during a QC walkdown. The repair was complete on 1/10/92.
- J) 92-006 Removed an arc strike and weld spatter from the exterior of a 3" safety injection line, 3"-SI-34-153A-Q2, Class 2. The arc strike and weld spatter were found during a QC walkdown. The repair was complete on 1/10/92.
- K) 92-007 Removed an arc strike and weld spatter from the exterior of a 3" safety injection line, 3"-SI-254-153A-Q2, Class 2. The arc strike and weld spatter were found during a QC walkdown. The repair was complete on 1/22/92.
- L) 92-008 Removed a 3/32" indication on a 3/4" socket weld to safety injection valve 1-SI-308, Class 2. The indication was found on the final PT exam performed after the new valve was installed. The repair was complete on 1/9/92.
- M) 92-009 Removed a 3/16" indication on a 3/4" socket weld to safety injection valve 1-SI-224, Class 2. The indication was found on the final PT exam performed after the new valve was installed. The repair was complete on 1/11/92.
- N) 92-038 Replace 4 studs and 8 nuts on 1 1/2" flange to reactor coolant pump 1-RC-P-1B, Class 1. This flange is identified as Flange A on 11715-WMKS-0103AU. The studs and nuts were replaced due to degradation from boric acid. The replacement was complete on 3/25/92.
- O) 92-042B Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-103A. Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old riberglass sleeves. The repair was completed on 2/17/92.
- P) 92-043B Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-103B, Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old fiberglass sleeves. The repair was completed on 2/17/92.
- Q) 92-044B Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-103C, Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old fiberglass sleeves. The repair was completed on 2/17/92.
- R) 92-045B Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-103D, Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old fiberglass sleeves. The repair was completed on 2/18/92.

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- S) 92-046B Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-104A, Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old fiberglass sleeves. The repair was completed on 2/19/92.
- T) 92-047B Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-104B, Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old fiberglass sleeves. The repair was completed on 2/19/92.
- U) 92-048B Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-104C, Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old fiberglass sleeves. The repair was completed on 2/19/92.
- V) 92-049B Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-104C, Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old fiberglass sleeves. The repair was completed on 2/19/92.
- W) 92-075 Replaced 8 studs and 16 nuts on safety injection level transmitter, 1-SI-LT-1930, Class 2. The studs and nuts were replaced along with a new flange gasket. The replacement was completed on 3/4/92.
- X) 92-076 Replaced 4 studs and 8 nuts on safety injection level transmitter, 1-SI-LT-1930, Class 2. The studs and nuts were replaced due to boric acid. The replacement was completed on 3/4/92
- Y) 92-077 Removed a 0.45" linear indication on a feedwater integral attachment SW-35 on 11715-WMKS-102A, Class 2. This is the integral attachment for support 1-FW-PH-33. The indication was found as part of the inservice inspection program. Deviation Report DR-N-92-366 was written due to failure to follow the repair program. The repair was complete on 2/6/92.
- 2) 92-080 Replace a 2" blowdown valve 1-BD-21, Class 2. The valve was replaced since the pitted seat could not be repaired. Code Case N-416 was used to defer the hydrostatic test. The replacement was complete on 3/4/92.
- AA) 92-090 Replaced 3/8" bolting on reactor coolant spring hanger 1-RC-SH-17 shown on 11715-WMKS-110B-1 (WPTS mark number 1-RC-PH-17), Class 1. The bolting was discovered to be bent during an inservice inspection. The replacement was complete on 2/13/92.
- AB) 92-091 Installed 1/2" lock nuts on reactor coolant pipe hanger on 1-RC-R-9 on 11715-WMKS-0103BK-2, Class 1. The missing lock nuts were found during an inservice inspection. The replacement was comp'ste on 2/14/92.

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#### Design Changes

48

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

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

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

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Owner		07/29/91 Date
	Name	1 1 Sheet of
Plant	Address North Anna Power Station	Unit
F FOTTY evenation	Name P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 91-118
Work Pa	Address Virginia Electric & Power Company	Repair Organization P.O. No., Job No., etc. N/A Type Code Symbol Stamp
Work Performed by		Authorization No.
. Identific	Address Reactor Coolant arion of System	
	B31.7 69	¥ 1970 78,81,83(R),115

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

5. (a) Applicable Const uction Code ____ -19 _____ Edition, ____ 83 \$ 83 Adder/02 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19,

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturur	Manufactuver Serial No.	National Board No,	Other Identification	Year Built	Repaired, Rei laced, or Replacement	ASME Coos Stamped (Yes or No)
Pipe	N/A	N/A	N/A	1-RC-MOV-1590	N/A	Repaired	N/A

7. Description of Work

Repaired weld on 3/4-inch line.

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

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

(12/82)

Docket Number: 50-358 Serial Number: 92-336 Attachment 2 Page 6 of 34

Name sion Blvd. Glen Allen, VA. 23060 Address	Date 1 1	
A didease		
Power Station	1	
Name 602 Mineral, VA. 23117		1-121
Address Virginia Electric & Power Company	Type Code Symbol Stamp	o No., etc.
Name	Authorization No. N/A	
Address Reactor Coolant n		
4	Name 402 Mineral, YA. 23117 Address Virginia Electric & Power Company Name minion Blvd. Glen Allen, VA. 23060 Address Reactor Coolant m	Name     Unit       402 Mineral, YA. 23117     Kepair/Replacement Program 9       Address     Repair Organization P.O. No., Jot       Virginia Electric & Power Company     N/A       Name     Name       minion Blvd. Glen Allen, VA. 23060     N/A       Address     Reactor Coolant

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

5. (a) Applicable Construction Code ______19 _____19 _____Edition, _____35 83 Addenda, ______
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 ______

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work

Repaired 3/4-inch socket weld.

8. Tests Conducted: Hydrostatic Pneumatic Nomical Operating Pressure Other Pressure psi Test Temp. PF

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

(12/82)

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 7 of 34

#### 07/26/91 Virginia Electric & Power Company Date___ 1. Owner ... Name Sheet of 5000 Dominion Blvd. Glen Allen, VA. 23060 1 Address 1 North Anna Power Station Unit 2. Plant Name Repair/Replacement Program 91-123 P.O Box 402 Kineral, VA. 23117 Repair Org Ization P.O. No., Job No., etc. Address Virginia Electric & Power Company N/A 3. Work Performed by Type Co ibol Stamp_ N/A Nama Authorizan. No. N/A 5000 Dominion Blvd. Glen Allen, VA. 23060 Expiration Date ____ Audross Reactor Coolant 4. Identification of System. (a) Applicable Construction Code 831.7 19 69 Edition, W 1070 Addenda 78,81,83(R),115 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 5. (a) Applicable Construction Code

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

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work

Repaired 3/4' socket weld.

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

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

(12/82)

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 8 of 34

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section X1

Owner	Virginia Electric & Power Company	10/28/91
	Name 5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet of 1
Plant	Address North Anna Power Station	Unit 1
Name P.O. Box 402 Mineral, VA. 23117		Repair/Replacement Program 01-126
Work Per	Address Virginia Electric & Power Company	Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp
	Name 5000 Dominion Clvd. Glen Allen, VA. 23060	Authorization No
	Address Reactor Coolant	

(a) Applicable Construction Code <u>B31.7</u> 19 69 Edition, <u>W 1970</u> Addenda, <u>78,81,83(R),115</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 5 33 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 Coda Stamped (Yes or No)
Valve	Crane	A+2328-A1	N/A	1-RC-MOV-1593	N/A	Repair	N/A

7. Description of Work_____ Repaired defects found in 27.5 Each gate valve body.

Tests Conducted:	Hydrostatic Pneur	matic 🗌 N	ominal	Operating	Pressure
	Other Dependen		Time		

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

(12/82)

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Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 9 of 34

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

Owner	Virginia Electric & Power Company	10/28/91
Name 5000 Dominion Blvd. Glen Allen, VA. 23060	Shent of 1	
Plant	Address North Anna Power Station	Unit 1
Field.	Neme P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 91-126A
Work Per	Address Virginia Electric & Power Company	Repair Organization P.O. No., Job No., etc. N/A Type Code Symbol Stamp
Work Perfo	Name 5000 Dominion Blvd. Glen Allen, VA. 23060	Authorization NoN/A
Identifica	Address Reactor Coolant tion of System	
	B31 7 69	¥ 1970 78.81.83(R) 115

5. (a) Applicable Construction Code ______19 ____Edition, ______Addenda, ______Addenda, ______Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 ______

6. Identification of Components Repaired or Replaced and Ruplacement Components

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

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

8.	Tests Conducted:	Hydrostat	ic 🗍	Pneumatic [	1 1	Vominal	Operating	Pressure	m	
				re					.0	F

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

(12/82)

Docket Number: 50-338 Serial Number: 92-366 Attachment 2 Page 10 of 34

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

Owner	vner Virginia Electric & Power Company	Date 03/07/92
	Name	
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet of 1
Plar	Address North Anna Power Station	Unit
	Name	
	P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 91-226
	Address	Repair Organization P.O. No., Job No., etc.
Wor	rk Performed by Virginia Electric & Power Company	Type Code Symbol StampN/A
	Name	Author No. N/A
	5000 Dominion Blvd. Glen Allen, VA. 23060	Expiration DateN/A
	Address Quanch Spray	[10] P. L. W. L. W. L. W. W. W. W. Warren and S. W. Annal Scientification for the spectra composition of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of the spectra system of th

(b) Applicable Eclition of Section XI Utilized for Repairs or Replacements 19 83 \$ 83 Addenda 5. (a) Applicable Construction Code_

6. Identification of Components Repaired or Replaced and Replacement Components

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

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

8. Tests Conducted: Hydrostatic [ Pneumatic [ Nominal Operating Pressure 👗

Other Pressure_____osi Test Temp.___

VT-2

NOTE: Supplemental sheets in form of lists, sketches, or drawing; may be used, provided (1) size is 81/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82)

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 11 of 34

#### 01/24/92 Virginia Electric & Power Company 1. Owner ____ Date Name Sheet 1 of 1 5000 Dominion Blvd. Glen Allen, VA. 23060 Address 124/12 1 North Anna Power Station 2. Plant Unit Name Repair/Replacement Program 91-8092 P.O. Box 402 Mineral, VA. 23117 Repair Organization P.O. No., Job No., etc. Address virginia Electric & Power Company R.'A 3. Work Parformed by_ Type Code Symbol Stamp____ Name N/A Authorization No. 5000 Dominion Blvd. Glen Allen, VA. 23060 N/A Expiration Date _____ Address Reactor Coolant 4. Identification of System ...

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacture Seriel No.	National Boerd No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or Nu)
Orifice	Southwest Feb.	N/A	N/A	1-RC-RO-1008	N/A	Replaced	No
Orifice	Southwest Fab.	N/A	N/A	1-RC-RO-1008	N/A	Replacement	No

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

8. Tests Conducted Hydrostatic Preumatic Nominal Operating Pressure Other Pressure psi Test Temp, P

VT-1, VT-2

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

(12/82)

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 12 of 34

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

Owner	Virginia Electric & Power Company	Date	10/10/91
	Name 5000 Dominium Blvd. Glan Ailon, VA. 23060	Sheet 1 of	1
Plant	Address North Anna Power Station	Unit 1	
a statistic sector to	Name P.O. Box 402 Mineral, VA. 23117		ol ment Program 91-8093
Work Per	Address Virginia Electric & Power Company	Repair Organ Type Code Symbol S	Izetion P.O. No., Job No., etc. N/A
THUR I U	Name 5000 Dominion Blvd. Glen Allen, VA. 23060	Authorization No	N/A
Labora stiffs	Address Safety Injection	BARRING CONTRACTOR	

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Scrial No.	National Board No.	Other Identify ation	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Gate Valve	Aloyco	A0686	N/A	2-\$1-MCV-7862A	R/A	Replaced	N/A
Gate Valve	Aloyco	A0686	N/A	2-51-MOV-2862A	N/A	Replacement	N/A
						and ( Tomoria ) are suited as a state of	

7. Description of Work

Replaced body to bonnet studs and nuts due to corresion.

8. Tiests Conducted: Hydrostatic 🗌 Pneumatic 🗍 Nominal Operating Pressure 🎽 Other Pressure _____ psi Test Temp._____

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

(12/82)

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

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Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 13 of 34

#### 01/14/92 Virginia Electric & Power Company Date ____ 1. Owner Name Sheet 1 of 1 5000 Dominion Blvd. Gien Allen, VA. 23060 Address Unit _____1 North Anna Power Station 2. Plant Name Repair/Replacement Program 92-004 P.O. Box 402 Mineral, VA. 23117 Repair Organization P.O. No., Job No., etc. Address Virginia Electric & Power Company N/A Type Code Symbol Stamp_ 3. Work Performed by __ Name N/A Authorization No. 5000 Dominion Blvd. Glen Allen, VA. 23060 H/A Expiration Date____ Address Safety Injection 4 Identification of System

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

5. (a) Applicable Construction Code 831.7 19 69 Edition 9 1970 Addenda 78,81,83(2),115 Code Gase (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 Soard No.	Other Identificatio.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipa	N/A	N/A	N/A	2-\$1-33-153A-Q2	K/A	Repaired	No

7. Description of Work_____ Removed weld spatter from 2 inch pipe exterior.

8. Tests Conducted. Hydrostatic Preumatic Nominal Operating Pressure

Other Pressure_____psi Text Temp.____°F

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

(12/82)

Docket Number: 50-238 Serial Number: 92-336 Attachment 2 Page 14 of 34

Owner	Virginia Electric & Power Company	Date01/14	\$/92
	Nerne 5000 Dominion Blvd. Glen Alien, VA. 23060	Sheet1	1
Plant	Address North Anna Power Station	Unit1	
	P.O. Box 402 Mineral, VA. 23117	Repair/Replacement	t Program 92-005
	Address	Repar Organization P.	O. No., Job No., etc.
Work Par	formed by Virginia Electric & Power Company	Type Code Symbol Stamp	N/A
	Name	Authorization No.	61/8
	5000 Dominion Blvd. Glen Allen, VA. 23060	Expiration Date	N/A
	and a second s	And the second second second second second second second	and the second second second
And a second sec	Address		

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Munufacturer Serial No.	Nationa: Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	3-\$1-256-1534	Q2N/A	Repair	No

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

8. Tests Conflucted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure psi Test Temp. "F

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

(12/82)

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

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Docket Number: 50-338 Gerial Number: 92-336 Attachment 2 Page 5 of 34

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

. Owner	Virginia Electric & Power Company	07/29/91
	Name 5000 Dominion Blvd. Glen Allen, VA. 23060	1 1 Sheet of
Plant	Address North Anna Power Station	1 Unit
	Name P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 91-118
Work P	Address Virginia Electric & Power Company Performed by	Repair Organization P.O. No., Job No., etc. N/A Type Code Symbol Stamp
nore r	Name 5000 Dominion Blvd. Glen Allen, VA. 23060	Authorization No
Identif	Address Reactor Coolant lication of System	
	B31.7 69	₩ 1970 78,81,83(R),115

5. (a) Applicable Construction Code ______ 19 ____ Edition, _____83 \$ 83 AdderAd Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name o.º Manufacturer	Manufacturer Serial No.	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	9./A	N/A	N/A	1-RC-MOV-1590	N/A	Repaired	N. (A

7. Description of Work

Repaired weld on 3/4-inch line.

8. Tests Conducted: Hydrostatic Pneumatic Norminal Operating Pressure Other Pressure psi Test Temp. Pressure

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

(12/82)

Remarks ASM	E XI Class 1.		
		cturer's Data Reports to be attached mization line on 'A' loop hot leg low	p
sta	p valve.		
			•
We certify th ASME Code, Section X	at the statements made in the report ar	OF COMPLIANCE re correct and this conform repair or replacement	is to the rules of the
Type Code Symbol Sta	mp N/A		
Certificate of Authoriz	ation ypN/A		
Signed A.F. Ha	mill ISI Engineer	Date Sept. 24	19_9[
	CERTIFICATE OF	INSERVICE INSPECTION	
I, the undersigned, hold or Province of Hartford	and employed by	lational Board of Boiler and Pressure Vessei ins Hartford Steam Boiler I & I	spectors and the Stat
	A second s	have inspected the c	omponents describe
	wledge and beliet, the Owner has perfo ordance with the requirements of the AS	ormed examinations and taken corrective mea SME Code, Section XI.	sures described in th
examinations and corr shall be liable in any m	ective measures described in this Own	mployer inakes any warranty, expressed or im ner's Report. Furthermore, neither the Inspec inty damage or a loss of ally kind arising from o	ctor nor his employe
Unellow		nmissions USAJJS	
Insp DUP.d	ector's Signature	National Board, State, Province,	and Endorsements
Date of seget	19.7/		

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 6 of 34

#### 07/26/91 Virginia Electric & Power Company 1. Owner Date_ Name Sheet___1 1 5000 Dominion Blvd Glen Allen, VA. 23060 Address 1 Worth Anna Power Station Unit 2. Plant_ Name P.O. Box 402 Mineral, VA. 23117 Repair/Replacement Program 91-121 Address Repair Organization P.O. No., Job No., etc. Virginia Electric & Power Company N/A 3. Work Performed by ... Type Code Symbol Stamp ... N/A Name Authorization No.____ 5000 Dominion Blvd. Glen Allen, VA. 23060 N/A Expiration Date ____ Address Reactor Coolant 4. Identification of System 19_____Edition, _____83 \$ 83 Addenda, ₩ 1970 78,81,83(R),115 831.7 Code Case 5. (a) Applicable Construction Code__

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work

Repaired 3/4-inch socket weld.

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

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

(12/82)

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

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9. Remarks _____ ASME XI Class 1.

Applicable Manufacturer's Data Reports to be attached Repaired 3/4-inch socket weld on bottom disc pressurization line on "B" hot log

loop stop valve.

We certify that the state ASME Code, Section X1.	CERTIFICATE C	OF COMPLIANCE correct and this <u>Repair</u> confort repair or replacement	ms to the rules of the
Type Code Symbol Stamp	K/A		
Certificate of Authorization No	N./A	Expiration DateN/A	
Signed Over a Desig	SR TECHNIC, AN	Date 28 oct	
l, the undersigned, holding = valid or Province of Virginia Hartford, CT			nspectors and the State
to the best of my knowledge and	d belief, the Owner has perfo	5/5/ to 20 MASS 155	
	ther the inspector nor his en	nployer makes any warranty, expressed or	
in the second second second the second base in the second		er's Report. Furthermore, neither the Insp	
	any personal injury or proper	rty damage or a loss of any kind arising from	n or connected with the
	the	nmissions	n or connected with thi

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 7 of 34

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

Otwher	Virginia Electric & Power Company	07/26/91
	Name 5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet of
Plant	Address North Anna Power Station	Unit1
	Name P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 91-123
Work Pe	Address Virginia Electric & Power Company	Repair Organization F.O. No., Jub No., etc. Type Code Symbol Stamp N/A
	Name 5000 Dominion Blvd. Glen Allen, VA. 23060	Arthorization No. N/A Expiration Dat
identific	Address Reactor Coolant	

 5. (a) Applicable Construction Code
 B31.7
 19
 69
 Edition, W 1970
 Addenda
 Addenda

 (b) Applicable Edition of Section X1 Utilized for Repairs or Replacements 19
 83 \$ 83 Addenda
 Code Case

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)
Fipe	N/A	N/A	N/A	1-RC-MOV-1592	N/A	Repair	N/A
		-					
				1			

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

B. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. PF

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

(12/82)

ASME XI Class 1.

### Applicable Manufacturer's Data Reports to be attached Repaired 3/4' socket weld on top disc pressurization line on 'B' hot leg loop

stop valve.

We cartify that the states	CERTIFICATE OF CI ents made in the report are corri	Pensir
ASME Code, Section XI.		repair or replacement
Type Code Symbol Stamp	N/A	
Certificate of Autyoriantion No	N/A	Expiration Date N/A
Signed Swner or Owner's Design	R TECAWICIAN NO. TITLO	Date 6 0 e 7
	CERTIFICATE OF INSE ommission issued by the Nation	al Board of Boiler and Pressure Vessel Inspectors and the Sta
or Province of Virginia Hartford, CT	and employed by	Hartford Steam Boiler J & I Co. have inspected the components describe
in this Owner's Report during the	period 14 19 1991	to 20 ackg 91 , and state th
to the best of my knowledge and Owner's Report in accordance with		I examinations and taken corrective measures described in the Code, Section XI.
By signing this certificate neith	er the Inspector nor his employ	er makes any warranty, expressed or implied, concerning t
examinations and corrective shall be liable in any manner		Report, Furthermore, neither the Inspector nor his employ amage or a loss of any kind arising from or connected with th
inspection.	Commiss	inne UALES
Inspector's Sign		National Board, State, Province, and Endorsements
Date & cost		

9. Remarks

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Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 8 of 34

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

Owner		Date10/28/91
	Name 5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet i of
Plant	Address Barth Anna Power Station	Unit
	Neme P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 91-126
Work	Address Virginia Electric & Power Company	Repair Organization P.O. No., John No., etc. Type Code Symbol Stamp N/A
	Name 5000 Dominion Blvd. Glen Allen, VA. 23060	Authorization No. N/A Expiration Date
THE REAL PROPERTY.	Adaress Reactor Coolant	

5. (a) Applicable Construction Code 831.7 19 69 Edition, W 1970 Addende, 78.81.63(R), 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 35 83 Addenda

6. Identification of Components Repaired 57 Replaced and Replacement Components

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

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

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Disi Test Temp.

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

(12/82)

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Remar'	ASME X1 Class 1.					
	Applicable Manufacturer's Data Reports to be attached					
	Repaired defects found in valve body of 'B' cold leg loop stop valve on upper					
	dist pressurization line.					
	Performed liquid penetrant examination following repair.					
	CERTIFICATE OF COMPLIANCE					
	Ve certify that the statements made in the remark are correct and this repair conforms to the rules of the repair or replacement					
Type Code	Symbol StampN/A					
	of Australian No. N/A Evolution Press N/A					
Certificate	of Authorization NoN/AExpiration DateN/A					
Diman (1	20 Se Techi Date 30 OCT 19.91					
signed	Dwner of Owner's Designee, Title					
-						
	FICATE OF INSERVICE INSPECTION					
I, the unde	rsigned, holding a valid cor					
or Province	ofVirginiaend employed byHartford Steam Boiler 1 & 1 Co.					
-	Hartford, CThave inspected the components describe					
in this Ow	mer's Report during the period. 16 191 192, 1991 to 20 1999, 1991, and state th					
to the besi	t of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in th					
Owner's R	eport in accordance with the requirements of the ASME Code, Section XI.					
By sign	ing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning t					
	ons and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ					
	ble in any manner for any personal injury or property damage or a loss of any kind arising from or connected with th					
inspection						
1.	plane e el la ser sea ser					
a week	Ir. pector's Signature Commissions Ult 1 3 State, Province, and Endorsements					

Date to oct 19.91

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Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 9 of 34

#### 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	10/28/91
	Arterior and	Name 5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet of 1
2	Plant	Address North Anna Powe: Station	Unit
	- HATTY	Name P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 91-126A
3.	Work Perf	Neme	Repair Organization P.O. No., Job No., etc. N/A Type Gode Symbol StampN/A Authorization NoN/A
4	Identifica	5000 Dominion Blvd. Glen Allen, VA. 23060 Address Reactor Coolant	Expiration Date
	- WEITEN STER		

5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 20, 61, 63(R), 115 Code Cave (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work,

Repaired defects found in 27.5 Inch valve body.

	Tests Conducted:	Hudenetatio	Provenatio [	Mamball	Operation Deserves	phan 1
1	LEALD PRIMERRE LEGAL	interioristation Print	Lucountre Pain	reciminal	obernnug vieranie	1
		Other Press	I'P	Dai Test	Temo	1.1

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

(12/82)

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lemarks	ASME XI Class 1.				
	Applicable Menufacturer's Data Reports to be attached				
	Repaired defects found in valve body of 'B' cold leg loop stop valve on upper				
	disc pressurization line				
	Performed liquid penetrant examination following repair.				
	CERTIFICATE OF COMPLIANCE				
	Ve certify t lat the statements made in the report are correct and this <u>repair</u> conforms to the rules of the rules of the rules of the rules in the rules of the rules of the rules in the rules of the				
romit, cour					
Type Code	Symbol Stamp N/A				
Certificate	provide the second seco				
Signed C	Juner nº Owner's Designee, Tisle Date NOV 15				
	CERTIFICATE OF INSERVICE INSPECTION				
	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta e of				
	Hartford, CThave inspected the components describe mer's Report during the period 11 May 1981 to 20 May 1591 , and state th				
	of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the				
	eport in accordance with the requirements of the ASME Code, Section X1.				
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning th					
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe					
shall be lia inspection.	able in any manner for any personal injury or property damage or a loss of any kind arising from or connected with t				
	aller Elfer commissions VAJJE Inspector's Signature Commissions National Road State Province and Endorsements				

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Docket Number: 50-338 Serial Number: 92-366 Attachment 2 Page 10 of 34

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

١.	Owner Virginia Electric & Power Company	03/07/92
	Name	
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet 1 of 1
	Address	
2	Plant North Anna Power Station	Unit 1
	Name	
	P.D. Box 402 Mineral, VA. 23117	Repair/Replacement Program 91-226
	Address	Repair Organization P.O. No., Job No., etc.
÷.,	Work Performed by Virginia Electric & Power Company	Type Code Symbol Stemp N/A
	Name	Authorization No. N/A
	5000 Dominion Blvd. Glen Allen, VA. 23060	Expiration Date N/A
4.	Address Identification of System Quench Spray	

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Crane	N/A	N/A	1-Q5-1	N/A	Replaced	No
Valve	Crane	N/A	N/A	1-Q\$-1	N/A	Replacement	No

7. Description of Work_

Replaced studs and nuts on valve.

8. Tests Conducted: Hydrostatic 🗌 Pneumatic 🗌 Nominal Operating Pressure 🌁 Other Pressure_____psi Test Temp.____

VT-2

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

(12/82)

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	irer's Dete Reports to tre attached
Replaced 12 studs and 24 nuts on the 10	D inch valve.
and and provide a provide a start of the second start of the second start of the second start of the second star	
	and the state of the
CERTIFICATE O	
we certify that the statements made in the report are on AE Code, Section X1.	correct and thisReplacement conforms to the rouse of the replacement
Type Code Symbol StampN/A	
Certificate of Authorization No. N/A	Expiration Date N/A
Certificate et Authorization No	Expression Determined and the second se
Signed Owner or Swner's Designee, Title	Dote & March 19.92
	NSERVICE INSPECTION
or Province of Virginia and employed by	tional Board of Boller and Pressure Vessel Inspectors and the Sta Hartford Steam Boiler 1 & 1 Co.
Hartford, CT In this Owner's Report during the period 4 est 1	fg/ to 3 Feb. 1992-, and state th
to the best of my knowledge and belief, the Owner has perfor	med examinations and taken corrective measures described in th
Owner's Report in accordance with the requirements of the ASI	ME Code, Section X1.
By signing this certificate neither the Inspector nor his emp	ployer makes any warranty, expressed or implied, concerning t
	ar's Report. Furthermore, neither the Inspector nor his employ
shall be liable in any manner for any personal injury or propert	ty damage or a loss of any kind arising from or connected with th
inspection.	
11/11. 1/11	missions_UMJJJ
IA I SALLI BI V Albert	

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 11 of 34

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

Owne	virginia Electric & Power Company	Date 01/24/92	
	Name		
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet 1 of 1	
	Address	And the standard and a	
Plant	North Ame Power Station	Unit_1/ank 2 /	
	Name	and the second se	
	P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 91-B	590
*****	Address	Repair Organization P.O. No., Jon No.,	etc.
Work	Performed by Virginia Electric & Power Company	Type Code Symbol Stamp N/A	
	Name	Authorization No. N/A	
	5000 Dominion Blvd. Glen wilen, VA. 23060	Expiration Date N/A	
	Addres	and the state of the second	
Televit	fication of System Reactor Coolant		

5. iu) Applicable Construction Code 831.7 19 69 Edition, # 1970 Addends, 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	Yoar Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or Nc)
Orifice	Southwest Fab.	N/A	N/A	1-RC-R0-1008	N/A	Replaced	No
Orifice	Southwest Fab.	5/A	N/A	1-RC-RJ-1008	N/A	Replacement	No
			arman (1994) - ar y an in an ann an				

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

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Cher Pressure psi Test Temp. PF

VI-1, VI-2

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

(12/82)

Remarks ASHE X1 Class 1.	
Applicatsie Manufacturer's Data P	teports to be attached
Replaced 8 ASTM A193 Gr. 87 stud bolts.	
Replaced 16 ASME SA194 Gr. 2H ruts.	
	and a second state of the second
CERTIFICATE OF COMPLIA	NCE
We certify that the statements made in the report are crimics and t ASME Code, Section X1.	his <u>Peplacement</u> conforms to the rules of the repair or replacement
Type Code Symbol Stamp%ZA	
Certificate of Authorization No. N/A Expl	ration Date N/A
Signed CLO Sk Technisian Owner or Owner's Designee, Title	Date 24 Jan 19.92
CERTIFICATE OF INSERVICE	INSPECTION
	ord Steam Boiler 1 & I Co
Hartford, C1 in this Owner's Report during the period 15 - 50 (1, 91 to the best of my knowledge and belief, the Owner has performed examina Owner's Report in accorda. Jith the requirements of the ASME Code, Sec	ations and taken corrective measures described in thi
By signing this pertificate neither the Inspector nor his employer makes	any warranty, expressed or implied, concerning th
examinations and corrective measures described in this Owner's Report. F shall be liable in any manner for any personal injury or property damage or	
inspection.	
Weller Eff Commissions	VA558
Il eller Commissions Commissions N	ational Board, State, Province, and Endorsementa
all D Bi	
Date 24 Jan 19.91	

Docket Number: 50-339 Serial Number: 92-336 Attachment 2 Page 12 of 34

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

į.	Owner	Virginia Electric & Power Company	Date 10/10/91	
	and the second	Name 5000 Dominion Blvd. Glen Alien, VA. 23060	Sheet 1 of 1	
	Plunt	Address North Anna Power Station	Unit 1	
	· INTIN applicators	Neme P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 91-B	093
	Work Perf	Address Virginia Electric & Power Company	Repair Organization P.O. No., Job No., Type Code Symbol Stamp N/A	etc.
	TRUIN FULL	Name 5000 Dominion Blvd. Glen Allen, VA. 23060	Authorization No.	
	Identificat	Address Safety Injection	CAPITELION LOUP management of another second	

(a) Applicable Construction Code 831.7 1P 69 Edition W 1970 Addenda, 78,81,83(R),115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 26 - x0

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Seriel No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Gate Valve	Aloyco	A0686	N/A	2-\$1-MOV-2862A	N/A	Replaced	n/A
Gate Valve	Aloyco	A0686	N/A	2-51-MOV-2862A	N/A	Replacement	N/A

7. Description of Work

Replaced body to bonnet studs and nuts due to corrosion.

8,	Tests Conducted	Hydrostat	ic []	Pneumatic []	Nor	ninal	Operating Pressure	, Ch	1
		Other []	Preseu	re	psi	Test	Temp.		° F

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

(12/82)

Remarks	ASME X1 Class 2.
	Applicable Manufacturer's Data Renorts to be attached
	Replaced 12 ASTM A193 Gr. B7 studs.
	Replaced 24 ASME SA194 Gr. 2H nuts.
kantar reporte e e	7 of 12 original studs were of improper material (D6).
	CERTIFICATE OF COMPLIANCE
	e certify that the statements made in the report are correct and this <u>puplacement</u> conforms to the rules of the , Section X1. repair or replacement
ype Code S	Symbol Stamp N/A
Certificate o	Authoritisation No. N/A Expiration Date N/A
aigned 5	wher or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta of
in this Own	Hartford, CT have inspected the components describe her's Report during the period 30 July 1991 to 6 August 1991, and state th
to the best	of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the port in accordance with the requirements of the ASME Code, Section X1.
	ng this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning t
shall be liab	ns and corrective measures described in this Owner's Report. Furthermore, neither the Laspector nor his employ ble in any manner for any personal injury or property damage or a loss of any kind arising from or connected with t
inspection.	alter Eller commissions 2558
	Inspector's Signature National Board, State, Province, and Endorsements
Date .	28 oct 19 91

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 13 of 34

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

Owne:	Virginia Electric & Power Company	Date 01/14/9	2
	Name	W PAT Intelligence in the second second second second	
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet 1 of	1
and the second second	Address	Driffel management (I) a second second	a ng sinaing diang na pangga ing pangang
Plant	North Anna Power Station	Unit	
	Name	Will an entre and a second second	and the second second second
	P.O. Box 402 Mineral, VA. 23117	Repair/Replacement #	rogram 92-004
-	Address	Repair Organization P.C	No., Job No., etc.
Work F	Performed by Virginia Electric & Power Company	Type Code Symbol Stamp	N/A
	Nome	Authorization No	N/A
	5000 Dominion Blvd. Glen Allen, VA. 23060	Expiration Date	N/A
	Address	and the second s	
Line and	fication of System Safety Injection		

5. (a) Applicable Construction Code 831.7 19 69 Edition, ¥ 1970 Addende 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 Manufecturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or tvo)
Pipe	N/A	N/A	N/A	2-51-33-153A-02	N/A	Repaired	No

7. Description of Work Removed weld spatter from 2 inch pipe exterior.

8. Tests Conducted: Hydrostatic 🛄 Pneumatic 🛄 Nominal Operating Pressure 🛄

and the second second

Other Pressure_____psi Test Temp._____

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

(12/82)

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

10

Remarks	ASME X1 Class 2.
	Applicable Manufacturer's Data Reports to be attached
Selecter and second data and data	A repair procedure was used to remove weld spatter from the two inch \$1 line.
	A final liquid pentrant examination was performed on the base metal and the
	aurrounding area following repair.
	CERTIFICATE OF CONPLIANCE
We cr ASME Code, Se	ertify that the statements made in the report are correct and this <u>Repair</u> conforms to the rules of the repair or replacement replacement
Type Code Sym	nbol Stamp N/A
Signed Ce	uthodeation No. N/A Expiration Date N/A Expiration Date N/A ir or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
or Province of	ed, hc.ding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stati Virginia and employed by Martford Steam Boiler 1 & 1 Co. 0
in this Owner's	tford, CThave inspected the components described Report during the period
Owner's Report	t in accordance with the requirements of the ASME Code, Section XI.
examinations a	his certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning th nd corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe n any manner for any personal injury or property damage or a loss of any kind arising from or connected with thi
Mah	1 mp. Augusta Commissions VA424 Inspector's Signature Commissions National Board, State, Province, Endormanas
Date	1/15/ 10.22

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 14 of 34

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

Owner	Virginia Electric & Power Company	Date 01/14/1	12
	Name		
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet 1 of	1
	Address	MALL AND A MERINA AND AND AND AND AND AND AND AND AND A	
Plant	North Anna Power Station	Unit 1	
A ADDALLY MANDER	Nanie		The second s
	P.O. Box 402 Mineral, VA. 23117	Repair/Replacement	Program 92-005
and all all the provided	Address	Repair Organization P.O.	No., Job No., etc.
Work Per	formed by Virginia Electric & Power Company	Type Code Symbol Stamp	N/A
tion is	Name	Authorization No.	N/A
	5000 Dominion Blvd. Glen Allen, VA. 23060	Expiration Date	N/A
	Address	a de la companya de la	
	ation of System Safety Injection		

5. (c) Applicable Construction Code <u>831.7</u> <u>19</u> <u>69</u> Edition, <u>81970</u> Addenda, <u>78,81,83(R),115</u> Code Case (b) Applicable Edition of Section XI Utilized for Replacements <u>19</u> <u>83</u> § <u>83</u> Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	3-\$1-256-153A-	-DSN/A	Repair	No

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

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Dother Pressure psi Test Temp. F

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

(12/82)

	Applicable Manufacturer's Data Reports to be attached
des mainer	A repair procedure was used to remove and scrikes and weld spatter from the pipe
	A final liquid penetrant examination was performed on the base metal and the
	surrounding area following repair.
	CERTIFICATE OF COMPLIANCE
	le certify that the statements made in the report are correct and this <u>Repair</u> conforms to the rules of the e, Section X1.
Type Code	Symbol StampN/A
Signed	Authorization No. N/A Expirution Date N/A SRTECHNICIPAN Date 15/JEA 19.92 Jumar or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
or Province	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta of <u>Virginia</u> and employed by <u>Hartford Steam Boiler 1 &amp; 1 Co.</u> Hartford, CT have inspected the components describe
to the best	mer's Report during the period
examination shall be liat inspection	
	Mail M Have Commissions VA424 Inspector's Signature Commissions National Board, State, Province, and Endorsements

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 15 of 34

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

Owner	Virginia Electric & Power Company	Date 01/14/9	2
	Name		
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet 1 of	
	Addreas	WHERE AND ADDRESS OF A	And the second second second second second second
Plant	North Anna Power Station	Unit 1	
	Name	CONTRACTOR DE LA CONTRACTÓRIA DE	
	P.O. Box 402 Mineral, VA. 23117	Repair/Replacement #	rogram 97-006
	Address	Repair Organization P.C	No., Job No., etc.
Work P	erformed 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	a option of the second s	
Life of the	ication of System Safety Injection		

5. (a) Applicable Construction Code B31.7 19 62 Edition, W 1970 Addenda 78,81,83(R),115 Code Case (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 Nin,	Other Identification	Year Built	Repaired, Replaced, or Pisplacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	3-\$1-34-153A-Q2	N/Á	Repair	No

7. Description of Work

Removed arc strikes and weld spatter from 3 inch pipe exterior.

Β,	Tests Conducted:	Hydrostat	ie 门	Pneumatic [	3	Nor	ninai	Operat	ing Pr	essure	
		Other []	Pressu	re		psi	Test	Temp.			Ŧ

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 (2) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82)

Remarks ASME X1 Class 2.	Manufacturer's Deta Reports to be attached
A repair procedure was used to	remove arc strikes and weld spatter from the pipe
A final liquid penetrant examin	nation was performed on the base metal and the
surrounding area following repa	iir.
	FICATE OF COMPLIANCE
We certify that the statements made in the n ASME Code, Section X1.	report are correct and this <u>Repair</u> conforms to the rules of the repair or replacement
Type Code Symbol StampN/A	
Signed Owner or Owner's Designee, Title	Expiration Date N/A Date 15 Jan 19 52
CERTIFIC	ATE OF INSERVICE INSPECTION
	by the National Board of Boiler and Pressure Vessel Inspectors and the Stat ed byNartford Steam Boiler 1 & I Co
Hartford, CT in this Owner's Report during the period	have inspected the components describe
	has performed examinations and taken corrective measures described in th
Owner's Report in accordance with the requirements of	of the ASME Code, Section XI.
examinations and corrective measures described in t	or his employer makes any warranty, expressed or implied, concerning th this Owner's Report. Furthermore, neither the Inspector nor his employe or property damage or a loss of why kind arising from or connected with th
mark M Anarc	Commissions
Date 1/15 19.92	

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 16 cf 34

#### 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 02/06/92 Reprinted 21/12
1	Name	
	5000 Dominion Blvd. Glen Allen, VA. 2306 Address	Sheet of
2.	Plant North Anna Power Station	Unit
	Name P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 92-007
	Address	Repair Organization P.O. No., Job No., etc.
3.	Work Performed by Virginia Electric & Power Comp	ny Type Code Symbol Stamp N/1
	Name	Authorization No. N/A
	5000 Dominion Blvd. Glen Allen, VA. 23	60 Expiration Date N/A
	Address	a start with a state of the state
6.	Identification of SystemSafety Injection	

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	3-\$1-254-153A-	Q2N/A	Repaired	No

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

4	Tests Conducted:	Hydrostatic [_]	Proventie [7]	Nor	minal	Operating	Pressure		
		Other [] Pressu	re	psi	Test	Terro		0	į

NOTE: Supplemental sheets in form of lists, sketches, or drawings may builded, provided (1) size is 8% 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 theets is recorded at the top of this form.

(12/82)

		Applicable Manufecture	er's Data Reports to be	attached	
	A repair procedu	re was used to remove we	ld spatter from th	e pipe.	
uni der innen mannen der	A final liquid p	enetrant examination was	performed on the	base metal and the	
	surrounding area	following repair.		ile ar a han raan sinon as raa	
		CERTIFICATE OF	COMPLIANCE		
We	certify that the statem	ents made in the report are co		CONTONNIA CONTONNIA	the rules of the
ASME Code,	Section XI.		repair or	replacement	
Type Code Sy	mbol Stamp	N/A			
Type cour of	contraction of the state of the second second				
Certificate of	Authorization No.	N/A	Expiration Date	N/A	
10	210	C. T			
Signed	ner or Owcer's Design	SE TECHNICIAL	Pate C	C. JErgen	19 7 <
		an i ta chun an chun ann an star do ann a 16 an an chun an			an a
		CERTIFICATE OF IN	SERVICE INSPECTIC	IN	a daraman alam di Kanangan ang di Kanangan di Kanangan di Kanangan di Kanangan di Kanangan di Kanangan di Kanan
I, the undersi	gned, holding a valid o	ommission issued by the Natio	onal Board of Boiler an	d Pressure Vessel Inspe	ctors and the Sta
		and employed by	Hartford Ste	am Boiler 1 2 1 Co.	
supplying the second second second	artford, CT	and the second		ve inspected the com	
	r's Report during the		19/92 10 1		, and state th
		belief, the Owner has perform		taken corrective measur	es described in th
		the requirements of the ASM			
		er the Inspector nor his empl			
		ures described in this Owner ny personal injury or property			
inspection,	e in any manner for a	it beisene niert er brokert	demoge of a loss of a	y kine analog nom on	CONTRACTOR FRICK
(riggener iser).	A	and the second	Laboration 20	6424	
	Losh M. An	Comm	lissionsV	I. I. S. Z.	a series of the second s
	Inspuctor's Sign	ature Comm		ard, State, Province, an	d Endorsements

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 17 of 34

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

Owner	Virginia Electric & Power Company	Date 03/05/92
	Nerne 5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet 1 of 1
Plant	Address North Anna Power Station	Unit
	Name P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 92-008
Work Per	Address formed by Virginia Electric & Power Company Name 5000 Dominion Blvd, Glen Allen, VA, 23060	Hepeir Organization P.O. No., Job No., etc. Type Code Symbol StampN/A Authorization NoN/A
Identifica	Address Address stion of System	Expiration Date

(a) Applicable Construction Code ______19__19__19__69 ____Edition, _____W 1970 _____Addenda, _____78,8
 (b) Applicable Edition of Section X1 Utilized for Papairs or Replacements 19______S 83 Addenda

5. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Menufacturer	Manufacturer Serial No.	National Board No.	Other identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or Noi
Pipe	Southwest Fab.	N/A	N/A	1-51-308	id/A	Repaired	No

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

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Conducted: Other Pressure psl 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 in each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82)

Remarks	ASME X; Class 2.
	Applicable Manufacturer's Data Reports to be attached
	Repaired linear indication on a 3/4 inch line off of 2 inch-SI-34-113-Q2.
	A final liquid penetrant exam was performed on the excavated area to ensure
al ann an tao tao agus a	indication was removed.
	CERTIFICATE OF COMPLIANCE
We ASME Corle,	certify that the statements made in the report are correct and this <u>Repair</u> conforms to the rules of the section X1.
Type Code Sy	mbol StampN/A
Certificate of	Authorization No. N/A Expiration Date N/A Less Se Tortuncion Date 7 March 1992
Signed Owi	ner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	gned, holding a valid commission issued by the National Board of Boiler and Preasure Vessel inspectors and the Star Virginia and employed by Hartford Steam Boiler 1 & 1 Co.
Not design a state of the second states	rt ford, CT have inspected the components describe r's Report during the period 9 from 1992 to 1-9-92, and state the
to the best of	my knowledge and belief, the Owner has performed examinations and taken corrective measures described in th
Owner's Repo	ort in accordance with the requirements of the ASME Code, Section XI.
examinations	this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning th and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employ- in any manner for any personal injury or property damage or a loss of any kind arising from or connected with th
1	filler Elle Commissions UNSIJE
the	Inspector's Signature National Board, State, Province, and Endorsements
	2 4 1 92
Dote	7 March 1992

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 13 of 34

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

Owner	Virginia Electric & Power Company	Date03/24/9	2	
	Neme			
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet 1 of	1	
	Address	A CASE AND AND A CASE		
Plant	North Anna Power Station	Unit 1		
	Name			
	P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 92-009		
a la parte de la contración	Address	Repair Circanization P.O	No., Job No., etc.	
Work Per	formed 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			
Identifier	stion of System Safety Injection			

5. (a) Applicable Construction Code <u>B31.7</u> <u>19.69</u> Edition, <u>W 1970</u> Addenda<u>78,81,83(R),115</u> 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 Menufacturer	Manufacturer Serial No.	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Conval	N/A	N/A	1-\$1-224	N/A	Repaired	No

7. Description of Work

Repaired linear indication on weld of pipe to elbow.

8.	Tests Conducted:	Hydrostatic D Pnsumatic	Nominal Operating Pressure	
		and a second sec	osi Test Temp	

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

(12/82)

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

5

			I's Data Reports to be attached
adalah sabaharangkan T	Repaired a A/16	-inch linear indication o	n kelg 438.
	. A final liquid	penetrant exam was perfor	med and found the area to be acceptable.
and a second	ana ang sa kang lang ang kang ang sa kang sa ka	CERTIFICATE OF	COMPLIANCE
We c ASME Code, 5		nents made in the report are co	rrect and this <u>Repair</u> conforms to the rules of the replacement
Type Code Syr	mbol Stamp		ana ana amin'ny soratra dia mampione
Certifican of J Signed	Authorization No.		Expiration Date N/A Date 24 March 19 92
angele a graine straine sin		CERTIFICATE OF IN	SERVICE INSPECTION
the second second second second			nal Board of Boiler and Pressure Vessel Inspectors and the Sta
		and employed by	Hartford Steam Boiler I & I Co.
is this Owner	artford, CI	- noricel /=/0-92-	have inspected the components describ to $1 - 1/-9$ and state the
			ed examinations and taken corrective measures described in t
Owner's Repo	rt in accordance with	the requirements of the ASME	Code, Section XI.
By signing	this certificate neith	her the Inspector nor his emplo	over makes any warranty, expressed or implied, concerning t
examination	and corrective measured	ures described in this Owner's	s Report. Furthermore, neither the Inspector nor his employ
	in any manner for a	iny personal injury or property	damage or a loss of any kind arising from or connected with t
inspection.	allen E	11h	issionsSIS
Real March	Inspector's Sign	Comm	Issions

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 19 of 34

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

. Owner	Virginia Electric & Power Company	Date03/26/92	2	
	Name	A Real Property in the second s		
	5000 Dominion Blvd, Glen Allen, VA. 23060	Sheet of	1	
	Address	WINNEY and the second s		
Plant	North Anna Power Station	Unit1		
	Nøme	MITT and an other set of the set		
	P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 92-038		
	Address	Repair Organization P.O.	No., Job No., etc.	
Work Pr	erformed by Virginia Electric & Power Company	Type Code Symbol Stamp	N/A	
mainer	Name	Authorization No.	N/A	
	5000 Dominion Blvd. Glen Allen, VA. 23060	Expiration Date	N/A	
and an excitation of the	Address			
	cation of System Reactor Coolant			

 5. (a) Applicable Construction Code
 ASME Sect. 191 68
 Edition,
 V \$-69
 Addenda,
 No
 Code Case

 (b) Applicable Edition of Section X1 Utilized for Repairs or Replacements 19
 83 \$ 83 Addenda
 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pump	ESCO Corp.	724	N/A	1-RC-P-18	1973	Replaced	Yes
Pump	ESCO Corp.	724	N/A	1-RC-P-18	1973	Replacement	Yes

7. Description of Work_

Replaced studs and nuts due to boric acid build-up.

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

V* - 2

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

(12/82)

Applicable Manufacturer	's Date Reports to be attached
Replaced 4 studs and 8 nuts on 1.5 inch sea	I injection line flange.
al de la conferencia de la contra	
NOTE: The pump was also built to Pump & Val	ve Code 1968 Draft W/March1970 Add.
noter me page and eres series to range a re-	The store state states with the states to be
CERTIFICATE OF C	
We certify that the statements made in the report are corr ASME Code, Section X1.	rect and this <u>Replacement</u> conforms to the rules of the repair or replacement
Type Code Symbol Stemp N/A	날카드 그 가지 않는 것 가지 가지 않는 것 이렇지?
Certificate of Authoritation No. N/A	Expiration Date N/A
10110 67	
Signed Man R. Burrican	Date 26 March 19.92
Owner or Owner's Designee, Title	
CERTIFICATE OF INS	ERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the Nation	
or Province of Virginia and employed by	Hartford Steam Boiler 1 & 1 Co.
Hartford, CT	have inspected the components describe
in this Owner's Report during the period 18 JAN 199	2 to 25 March 1992, and state th
to the best of my knowledge and belief, the Owner has performe	d examinations and taken corrective measures described in th
Owner's Report in accordance with the requirements of the ASME	Code, Section X1.
By signing this certificate neither the Inspector nor his employ	
examinations and corrective measures described in this Owner's	
shall be liable in any manner for any personal injury or property d	
inspection.	
na 11	
Wallin Elditer Commis	isions4558
Inspector's Signature	National Board, State, Province, and Endorsements
Date 28 march 1992	
17010 million 18 of the K. K. Marine 18 of the Comment	

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9. Remarks ASh. XI Class 1.

2

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 20 of 34

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

Owner	Virginia Electric & Power Company	D616		2/27/92
Section 10	Name	10.00 mm		
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet	1	1
	Address	-911083		
Plant	North Anna Power Station	Unit	1	
T TO TA another	Name		APART AND A APART AND AND A APART AND A APART AND A APART AND AND A APART AND	
	P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 92-0428		
	Address	Fle	pair Organizati	on P.O. No., Job No., etc.
Work Par	formed by Virginia Electric & Power Company	Type Code Symbol Stamp Authorization No		N/A
PERSONAL PROPERTY AND INC.	Name			N/A
	5000 Dominion Blvd. Glen Allen, VA. 23060		Date	N/A
*****	Address		COULD LIGHTLESS	
Identification of System Service Water				

5. (a) Applicable Construction Code_____DRAFT_ASME_19___68__Edition,___ None No Code Case Addenda, (b) Applicable Ed ion 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)
Valve	Allis Chalmers	67102-1	N/A	1-SW-MOV-103A	1971	Replaced	No
Valve	Allis Chalmers	67102-1	N/A	1-SW-MOV-103A	1971	Replacement	No
							a a ser a bernen gangen

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

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Press a X Other Pressure psi Test Temp. P

VT-2

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

(12/82)

	Applicable Manufacturer's Data Reports to be attached	
	The valve body shaft penetration was bored to accept a new stainless s	teel
	sleeve to replace the old fiberglass sleeve.	
	The new sleeve is retained by an interference fit with the valve body.	
	The new preeve is recarned by an incerterence fit with the valve body.	
	CERTIFICATE OF COMPLIANCE	
We ASME Code,	FROM A DE FROM AND A	forms to the rules of the
Type Code Sy	ymbol StampN/A	
Certificate of	EAuthorization Date N/A Expiration Date N/A	
Signed C	Ner dr Owner's Designee, Title Date 27 FEB	
	CERTIFICATE OF INSERVICE INSPECTION	
or Province o	signed, holding a valid commission issued by the National Board of Boller and Pressure Ves of <u>Virginia</u> and employed by <u>Hartford Steam Boiler I</u>	& 1 Coo
in this Dwo	Hartford, CT have inspected er's Report during the period //2/92 to 2/17/92	the components described
	of my knowledge and belief, the Owner has performed examinations and taken correctiv	
Owner's Rep	port in accordance with the requirements of the ASME Code, Section X1.	
By signin	ng this certificate neither the inspector nor his employer makes any warranty, expressed	or implied, concerning th
	is and corrective measures described in this Owner's Report. Furthermore, neither the sile in any manner for any personal injury or property damage or a loss of any kind arising	
	Mark M. Here Commissions VA424 Inspector's Signature National Board, State, Pro	vince, and Endorsements
		contrast access and an environment of the second

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 21 of 34

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

Owner	Virginia Electric & Power Company	Date 02/2	7/92
	Name		
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet 1 of	1
	Address		
Piant	North Anna Power Station	Unit 1	
	Name		
	P.O. Box 402 Mineral, VA. 23117	Repair/Replacemen	t Program 92-0438
alian and realist	Address	Repair Organization P	O. No., Job No., etc.
Work Per	formed 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
Charles and the second second second	Address		
Identified	ation of System Service Water		

 5. (a) Applicable Construction Code _____ CRAFT_ASME 19 ____ 68 Edition, _____ No ____ Addenda, _____ (b) Applicable Edition of Section X1 Utilized for Repairs or Replacements 19 _____ 83 \$____ 83 Addenda None Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

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

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

(12/82)

8. Tests Conducted: Hydrostatic 📄 Pneumatic 🔄 Nominal Operating Pressure 🎇 Other Pressure psi Test Temp, PF

VT-2

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.

Remarks	ASME XI Class 2.
	Applicable Manufacture.'s Data Reports to be attached
	The valve body shaft penetration was bored to accept a new stainles, steel
	sleeve to replace the old fiberglass sleeve.
_	The new sleeve is retained by an interference fit with the valve body.
	CERTIFICATE OF COMPLIANCE
We	e certify that the statements made in the report are correct and this Replacement conforms to the rules of the
ASME Code	, Suction XI. repair or replacement
Type Code S	Symbol StampN/A
	Authorization No. N/A Expiration Date N/A
Certificate of	
Signed	The SR TECHNICIAN Date 27 Feb 1992
	wher or Owner's Designee, Title
ter de la mante esta de la mante de la	
	CERTIFICATE OF INSERVICE INSPECTION
	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the St
	of <u>Virginia</u> and employed by. <u>Hartford Steam Boiler I &amp; I Co.</u>
-	Hartford, CThave inspected the components describ ner's Report during the period
	ner's Report during the period
	port in accordance with the requirements of the ASME Code, Section XI.
	ing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning
	ns and corrective measures described in this Owner's Report. Furthermore, neither the Inspect or his emplo
	ble in any manner for any personal injury or property damage or a loss of any kind arising from or connected with t
inspection.	
	and and
	Mark M. Henry Commissions VA424
	Inspector's Signature National Board, State, Province, and Endorsements
ste	2/28 1992

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Docket Number: 50-538 Serial Number: 12-336 Attachment 2 Page 22 of 34

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section X1

Owner	Virginia Electric & Power Company	Date	02	/27/92
	Name 5000 Dominion Blvd. Glen Allen, VA. 23060 Address	Sheet	_1of	1
Plant	North Anna Power Station	Unit	1	
	P.O. Box 402 Mineral, VA. 23117	And the second s	interaction of the second seco	ment Program 92-0447
	Address	Re	nair Organization	P.O. No., Job No., etc.
Work Par	formed by Virginia Electric & Power Crampany	Type Code	e Symbol Stamp.	N/A
	Name	Authoriza	tion No.	N/A
	5000 Dominion Blvd. Glen Allen, Md. 23060	Expiration	Date	N/A
	Addrass			
lek et des	ation of System Service Water			

5. (a) Applicable Construction Code DRAFT ASME 19 68 Edition, No None _ Addenda, 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	Manutacturer Serial No.	National Board No.	Other Identification	Year Bullt	Repaired, Replaced, or Replacement	ASME Code Stanced (Yes o: o)
Valve	All_ Chalmers	67102-3	N/A	1-SW-MOV-103C	1971	Replaced	No
Valve	2 is Chaimens	67102-3	N/A	1-SW-MOV-103C	1971	Replacement	No

7. Description of Work______Machined shaft bores and machined new shaft sleeves.

8. Tests Conducted: Hydrostrule 门 Pneumatic 🗍 Nominal Operating Pressure 🕅

Other Pressure_____psi Test Temp._____

VT-2

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

(12/82)

	A 19 14 1	VI P	Same .	15
). Remarks	ROME	A1 5	lass	6 .

Applicable Manufacturer's Data Reports to be attachs The valve body shaft penetration was bored to accept a new stainless steel

sleeve to replace the old fiberglass sleeve.

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

CERTIFICATE OF We certify that the statements made in the report are of ASME Code, Section X1.		is to the rules of the
Type Code Symbol StampN/A		
Certificate of Authorization NoN/A	Expiration DateN/A	
Signed CR SETECHNICIAN Owner or Owner's Designee, Title	Date 27 FEB	. 19 9 2
CERTIFICATE OF IN	SERVICE INSPECTION	
I, the us fersigned, holding a verid commission issued by the Nati or Province of <u>Vinginia</u> and employed by		
Hartford, CT in this Owner's Report during the period	have inspected the c	components described and state the
to the best of my knowledge and belief, the Owner has perfor. Owner's Report in accordance with the requirements of the ASM	ned examinations and taken corrective mea	
By signing this certificate neither the Inspector nor his emp examinations and corrective measures described in this Owner		

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 demage or a t - of any kind arising from or connected with this inspection.

Mark M. Acare Inspector's Signature

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

Date_____2/2.8/____19.92____

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Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 23 of 34

#### Virginia Electric & Power Company 02/27/92 1. Owner ... Date Name Sheet______of____1 5000 Dominion Blvd. Glen Allen, VA. 23060 Address Unit____1 North Anna Power Station 2. Plant_ Name P.O. Box 402 Mineral, VA. 23117 Repair/Replacement Program 92-0458 Adrivess Repair Organization P.O. No., Job No., etc. Virginia : :tric & Power Company N/A Type Code Symbol Stamp 3. Work Performed by .... Name N/A Authorization No. N/A 5000 Dominion Blvd. Glen Allen, VA. 23060 Expiration Date____ Address Service Water 4. Identification of System_

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

5. (a) Applicable Construction Code _____ DRAFT_ASME_19_68_Edition, ____ No None Addenda, ...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)
Valve	Allis Chalmers	67102-4	N/A	1-SW-MOV-103D	1971	Replaced	No
Valve	Allis Chalmers	67102-4	N/A	1-SW-MOV-103D	1971	Replacement	No
	-						

7. Description of Work_

Machined shaft bores and machined new shaft sleeves.

Other Sressure____psi Test Temp.____

8. Tests Conducted: Hydrostatic 🗌 Pneumatic 🗌 Nominal Operating Pressure 🎦

VT-2

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

(12/82)

	Applicable Manufacturer's Data Reports to be attusted
	The valve body shaft penetration was bored to accept a new stainless steel
	sleeve to replace the old fiberglass sleeve.
	The new sleeve is retained by an interference fit with the valve body.
We ASME Code,	CERTIFICATE OF COMPLIANCE certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the Section XI
Type Code S	ymbol StampN/A
Certificate of	Authorization No. N/A Expiration Date N/A
Signed Cov	Viner of Owner's Designee, Title Date 27 F23 19 92
	CERTIFICATE OF INSERVICE INSPECTION
or Province	
	artford, CThave inspected the components described arts Report during the period
	of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in thi
	port in accordance with the requirements of the ASME Code, Section XI.
examination	ng this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning th is and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe he in any manner for any personal injury or property damage or a loss of any kind arising from or connected with th
	Mark M. Herle Commissions, VA424
-	Inspector's Signature National Scard, State, Province, and Endorsement

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 24 of 34

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

Owner	Virginia Electric & Power Company	Date 02/27	/92
	Name 5000 Dominion Blvd. Glen Allen, VA. 23060	1	1
Plant	Address North Anna Power Station	Sheet of	
	Name P.O. Box 402 Mineral, VA. 23117	Unit* Repair/Replacement	Program 92-0468
Work in	Address formed by Virginia Electric & Power Company	Repeir Organization P.C	
	Name S000 Dominion Blvd. Glen Allen, VA. 23060	Type Code Symbol Stamp Authorization No	N/A N/A
Identifica	Address tion of SystemService Water	Expiration Date	N/ A

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Allis Chalmers	67102-5	N/A	1-SW-MOV-104A	1971	Replaced	No
Valve	Allis Chalmers	67102-5	N/A	1-SW-MOV-104A	1971	Replacement	No
				1.1.1.1.1.1.1			

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

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

VT-2

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

(12/82)

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emarks	ASME X1 Class 2.
ernerks	Applicable Menufacturer's Data Reports to be attached
	The valve body shaft penetration was bored to accept a new stainless steel
	sleeve to replace the old fiberglass sleeve.
	The new sizave is retained by an interference fit with the valve body.
	CERTIFICATE OF COMPLIANCE Replacement conforms to the rules of the
W	repair or replacement conforms to the rules of the repair or replacement
ASME Code	e, Section X1.
Type Code	Symbol StampN/A
	에게 물건 것은 것이 다. 그것 것 것 같아요. 아이들 것 같아요. 이는 것
	N/A
Certificate	of Authorization No. N/A Expiration Date N/A
Certificate	of Authorization No.
Signer	of Authorization No. N/A Expiration Date N/A 200 SR TIEUT WICIAN Date 27 FED 1992 Defense or Owner's Designee, Title
Signer	The Setter Date 27 Fee 19 92
Signed	CERTIFICATE OF INSERVICE INSPECTION
Signed	CERTIFICATE OF INSERVICE INSPECTION  CERTIFICATE OF INSERVICE INSPECTION  arsigned, holding a valid contimission insued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat
Signed	CERTIFICATE OF INSERVICE INSPECTION  ersigned, holding a valid commission insued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat and employed by hartford Steam Boiler I & I Co.
Signed	CERTIFICATE OF INSERVICE INSPECTION  CERTIFICATE OF INSERVICE INSPECTION  arsigned, holding a valid commission insued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat bartford Steam Boiler I & I Co
Signed	CERTIFICATE OF INSERVICE INSPECTION  CERTIFICATE OF INSERVICE INSPECTION  ersigned, holding a valid contimission insued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat and Employed by hartford Steam Boiler I & I Co.  Hartford, CT  have inspected the components describe  inspected the period  Ilselfst to elliptet, and state the
I, the under or Province in this Ov to the ber	Of Authorization No.       Date 27 Feb 19 92         Owner's Designee, Title       Date 27 Feb 19 92         CERTIFICATE OF INSERVICE INSPECTION         ersigned, holding a valid commission insued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat hartford Steam Boiler I & J Co.         a of
Signed Si	Of Authorization No.       Date 27 Feb 19 92         Owner's Designee, Title       Date 27 Feb 19 92         CERTIFICATE OF INSERVICE INSPECTION         ersigned, holding a valid commission insued by the National Board of Boiler and Pressure Vessel Inspectors and the State Vinginia and employed by hartford Steam Boiler I & I Co.         Autford, CT       hartford, CT         wher's Report during the period       Ile 2/9 & to         St of my knowledge and belief, the Gwner has performed examinations and taken corrective measures described in the Report in accordance with the requirements of the ASME ( we section XI.
Signed Si	Of Authorization No.       Date 27 Feb 19 92         Owner's Designee, Title       Date 27 Feb 19 92         CERTIFICATE OF INSERVICE INSPECTION         arsigned, holding a valid commission insued by the National Board of Boiler and Pressure Vessel Inspectors and the State Nartford Steam Boiller I & J Co.         a of Vinginia       and employed by         Hartford, CT       have inspected the components described in the State the inspector for the Gwner has performed examinations and taken corrective measures described in the Report in accordance with the requirements of the ASME ( with Section XI.         ning this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the measures described in this Owner's Beport. Furthermore, neither the Inspector nor his employer
Signed Si	Of Authorization No.       Date 27 Feb 19 92         Owner's Designee, Title       Date 27 Feb 19 92         CERTIFICATE OF INSERVICE INSPECTION         arsigned, holding a valid commission insued by the National Board of Boiler and Pressure Vessel Inspectors and the State Nartford Steam Boiller I & I Co.         a of Vinginia       and employed by         Hartford, CT       have inspected the components described in the State the inspector during the period         wher's Report during the period       Ile2/92 to 2/19/92
Signed Si	Of Authorization No.       Date       22       Feed       19       9         Definer or Owner's Designee, Title       Date       22       Feed       19       9         CERTIFICATE OF INSERVICE INSPECTION         arsigned, holding a valid commission insued by the National Board of Boiler and Pressure Vessel Inspectors and the State hartford, ET         and employed by         have inspected the components described         Automic formation insued by the National Board of Boiler and Pressure Vessel Inspectors and the State hartford, ET         and employed by         have inspected the components described         Automic formation insued by the National Board of Boiler and Pressure Vessel Inspectors and the State hartford, ET         have inspected the components described         Automic for during the period       ###################################
Signed Si	Of Authorization No.       Date       22       Feed       19       92         Owner's Designee, Title       Date       22       Feed       19       92         CERTIFICATE OF INSERVICE INSPECTION         arsigned, holding a valid commission insued by the National Board of Boiler and Pressure Vessel Inspectors and the State hartford, ET         and employed by         have inspected the components described         Automic for any knowledge and belief, the Owner has performed exa ninations and taken corrective measures described in this Report in accordance with the requirements of the ASME (Are, Section XI.         ning this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the isonand corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any kind arising from or connected with the isonand corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any kind arising from or connected with the isonand corrective measures described in this Owner's Report.

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Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 25 of 34

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

1. Ow	vnerVirginia Electric & Power Company	Date02/27	/92		
	Name				
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet 1 of	1		
-	Address	WINE and a second second second second second			
2. Pla	int North Anna Power Station	Unit 1			
	Name		and an experimental sector and the sector of		
	P.O. Box 402 Mineral, VA. 23117	Repair/Replacement	Program 92-0478		
	Address	Repeir Organization P.O. No., Job No., atc.			
3. Wo	ork 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	31.7.8		
	Address	and the second se	and the same of the same distance in the same sector of the same		
4. Ide	entification of SystemService Water				
5. (a)	Applicable Construction Code DRAFT ASME 19 68 Editio	n, No Addenda	None Code Cas		
(b)	Applicable Edition of Section XI Utilized for Repairs or Replaceme				

6. Identification of Components Repaired or Replaced and Replacement Componants

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Allis Chalmers	67102-6	N/A	1-SW-MOV-104B	1971	Replaced	No
Valve	Allis Chalmers	67102-6	N/A	1-SW-MOV-1048	1971	Replacement	No

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

a. Tests Conducted: Hydrostatic 🗍 Kneumatic 🗍 Nominal Operating Pressure 🕅 Other Pressure psi Test Temp 0 p

NOTE: Supplemental she its in form of lists, sketches, or drawings may be used, provided (1) size is 8% in. x 11 in., (2) information in iten.3 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 torm,

(12/82)

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

VT-2

Remarks	ASME XI Class 2.		
	Applicable	N'anufacturer's Data Rei	ports to he attached
	The valve body shaft penetratic	on was bored to acce	pt a new stainless steel
	sleeve to replace the old fiber	rglass sleeve.	
	The new sleeve is retained by a	an interference fit	with the valve body.
		FICATE OF COMPLIAN	
We cr ASME Code, Se		report are correct and th	is <u>Replacement</u> conforms to the rules of the repair or replacement
Type Code Syn	nboł StampN/A		
Signed_Co	Authorization No. N/A		ation Date <u>N/A</u> Date <u>27 F623</u> _, 19.92
	CERTIFIC	CATE OF INSERVICE I	NSPECTION
or Province of.	Virginiaand employ	yed by Hart	f Boller and Pressure Vessel Inspectors and the Stat ford Steam Boller J & I Co.
in this Owner	s Report during the puriod	1/24/92	have inspected the components describe
			tions and taken corrective measures described in th
Owner's Report	t in accordance with the requirements	of the ASME Code, Sect	tion XI.
examinations	and corrective measures described in	this Owner's Report. F	any mamanty, expressed or implied, concerning th furthermore, neither the Inspector nor his employ a loss of any kind arising from or connected with th
	mark & Shere	Commissions	VA 424
	Inspecto, 's Signature	N	lational Board, State, Province, and Endorsements
Date	6/28 19 92		

635

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 26 of 34

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

OwnerVirginia Electric & Power Company	02/22/92
Name	WWW generative mechanics where the transmission is the second sec
5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet 1 of 1
Address	OTHER Commencements of the sense of the sens
Plant North Anna Power Station	Unit 1
Name	WITH I want that for the set of the first state of the set of the
P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 92-0488
Address	Repair Organization P.O. N.J., Job No., etc.
Work Performed by Virginia Electric & Power Company	Type Code Sym_ mpN/A
Name	Avorization No.
5000 Dominion Blvd. Glen Allen, VA. 23060	Expiration Date N/A
Address	EXPTOLICIT FORE THE PROPERTY OF A DESCRIPTION OF A DESCRI
Identification of SystemService Water	
Nontification of System	
(a) Applicable Construction Code DRAFT ASME 19 58 Edit	ion, No Addenda, None Code

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda

6. Ide tification of Components Repaired or Replaced and Replacement Components

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

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

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure 🕅 Other Pressure psi Test Temp.

VT-2

2 p

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

(12/82)



		A 1134 P	4.2	123.00	
1	Ramarks	ASME	A1	LIAS	\$ 2.

### Applicable Manufacturer's Data Reports to be attached The valve body shaft penetration was bored to accept a new stainless steel

### sleeve to replace the old fiberglass sleeve.

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

ertificate of Authorization No. MA Expiration Date N/A igner 1 Device or Owner's Designer/Title EAD ISI Engineer Date February 29, 1992 CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State r Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CI have inspected the components described to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Dwnes'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 xaminations and corrective measures described in this Owner's Report. Furthermory, neither the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this	CERTIFIC We certify that the statements made in the repo ASME Code, Section X1.	ATE OF COMPLIANCE ort are correct and this <u>Replacement</u> conforms to the rules of the repair or replacement
Igner 1	Fype Code Symbol SlampN/A	
Igner 1	Certificate of Authorization No. MA	Expiration Date N/A
The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State r Province of <u>Virginia</u> and employed by <u>Hartford Steam Boiler I &amp; I Co.</u> of <u>Hartford, CT</u> have inspected the components described in this Owner's Report during the period <b>3.2 See</b> <u>1992</u> to <u>1997</u> to <u>1997</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Dwnei'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 xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the	Signed A.P. Hamile LEAD IS	E Engineer Dote February 29. 1992
o 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 this xaminations and corrective measures described in this Owner's Report. Furthermorn, neither the Inspector nor his employe hall be Itable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this	I, the undersigned, holding a valid commission issued by or Province of <u>Virginia</u> and employed	the National Board of Boiler and Pressure Vessel Inspectors and the State byHartford Steam Boiler I & I Coof
o 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 this xaminations and corrective measures described in this Owner's Report. Furthermorn, neither the Inspector nor his employe hall be Itable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this	hartford, Ci in this Owner's Report during the period 32	have inspected the components described 360 1992 to $19$ Fe 6 1952 and state that
xaminations and corrective measures described in this Owner's Report. Furthermorn, neither the Inspector nor his employe hall be Ilable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with thi	to the best of my knowledge and belief, the Owner has	s performed examinations and taken corrective measures described in this
	examinations and corrective measures described in thi	s Owner's Report, Furthermorn, neither the Inspector nor his employer

Literare & Alaba Commissions

National Board, State, Province, and Endorsements

Date 29 Feb 1992

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 27 of 34

# 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	
	Narr.a	Date02/27/92
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet 1
2.	Plant North Anna Power Station	CONCERN AND AND AND AND AND AND AND AND AND AN
	Name	Unit1
	P.O. Box 402 Mineral, VA. 23117	Repair/Jonlacomont D
	Address	Repair/Replacement Program 92-0498
3.	Work Performed by Virginia Electric & Power Company	Repair Organization P.O. No., Job No., etc.
	Name	Type Code Symbol StampN/A
	5000 Dominion Blvd. Glen Allen, VA. 23060	Authorization No. N/A
	Address	Expiration Date N/A
4.	Identification of SystemService Water	

5. (a) Applicable Construction Code____ DRAFT ASME 19 68 Edition, No (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_83 5 83 Addenda None Addenda, Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

			the real of the local division of the second s	and the second			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Allis Chalmers	67102-8	N/A	1-SW-MOV-104D	1021		
Valve	Allis Chalmers				1971	Replaced	No
	ATTIS UNA IMETS	67102-8	N/A	1-SW-MOV-1040	1971	Replacement	No
							10
	1		inter and the second				
							the summeries
			NATION AND DESCRIPTION OF ADDRESS				

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

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. *

VT-2

(12/82)

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

	FORM NIS-2 (Back)
marks	ASME XI Class 2. Applicable Manufacturer's Data Reports to be attached
	Applicable Manufacturer's Data Report to the stainless steel The valve body shaft penetration was bored to accept a new stainless steel
	The valve body shaft penetration and the
	sleeve to replace the old fiberglass sleeve.
	The new sleeve is retained by an interference fit with the volve body.
	The new sleeve is retained by on meeter
	CERTIFICATE OF COMPLIANCE
	CERTIFICATE OF COMPLIANCE Replacement conforms to the rules of the repair or replacement
V	Ve certify that the statements made in the statements in a statement in the statements in a statement in the statement is the statement in the statement is the statement in the statement is the
ASME Cod	te, Section XI.
	그는 것 같은 것 같
	a Symbol StampN/A
Type Code	N/A
et all'anne	e of Authorization No. N/A Expiration Date 9/2
Certhicate	
~	A L TC I Chille
Signed 1	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
t the up	CERTIFICATE OF INSERVICE INSEL  CERTIFICATE OF INSERVICE I
or Provir	have inspected the components cescribed
	Hartford, CT 2,1,9/92 , and state that
in this (	Owner's Report during the period
to the b	vest of my knowledge and belief, the Owner has performed examinations shows
Owner's	Farort in accordance with the requirements of the second s
D	inaine this certificate neither the inspector nor his employed management of a spector nor his employed
avamin	lighing this certificate neither the Inspector nor his employer makes any warrancy, experience, neither the Inspector nor his employer ations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer ations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer ations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer ations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer the the second
ehail be	ations and corrective measures described in this Owner's Report. Furthermore, neither the trop or connected with the stable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the
inspect	
Differences	
	Moch M. Silvere Commissions VATAT Inspector's Signature National Board, State, Province, and Endorsements
and the second se	2/28 19.92

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 28 of 34

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

Owner	Virginia Electric & Power Company	Date 03/26/9	22
	Name	Contraction of the second seco	A Charles and the second s
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet 1 of	1
origin alternation of	Address	Offer ( and a second se	
Plant	North Anna Power Station	Unit 1	
	Name		
	P.O. Box 402 Mineral, VA. 23117	Repair/Replacement F	Program 92-075
	Address	Repair Organization P.O	No., Job No., etc.
Work Per	formed 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
	Adriress	The second	
Internation	stion of System Safety Injection		

5. (a) Applicable Construction Code B31.7 19 69 Edition, ¥ 1970 Addende 78,81,83(R),115 Code Case (b) Applicable Edition of Section X1 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	Manufacturor Serial No.	National Board No.	Other Identification	Year Built	Repaire", Replaced, or Replacement	ASME Code Stamped (Yes or No)
Flange	N/A	N/A	N/A	1-SI-LT-1930	N/A	Replaced	No
Flange	N/A	N/A	N/A	1-51-17-1930	N/A	Replacement	No

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

8. Tests Conducted Hydri static 门 Pneumatic 门 Nominal Operating Pressure 🏝 Other Pressure _____psi Test Temp.____ 0.0

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

(12/82)

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

VT-2

Remarks	ASME XI Class 2.
	Applicable Manufa: turer's Data Reports to be attached
	Replaced 8 studs and 16 nuts due to a build-up of boron.
	CERTIFICATE OF COMPLIANCE
We	certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the
ASME Code, S	Section X1. repair or replacement
Type Code Sy	mbol StampN/A
Cartificate of I	Authorization No. N/A Expiration Date N/A
	DA)
Signard 2	The SkTerminer Date 26 March 19.92
Ówn	er or Owner's Designne, Title
	CERTIFICATE OF INSERVICE INSPECTION
	ned, holding a valid cummission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat
	Virginia and employed by Hartford Steam Boiler I & I Co. o
	rtford, CT have inspected the components describe
	's Report during the period 1 Feb 19.2 to MANCE 4 1952, and state the
	my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	rt in accordance with the requirements of the SME Code, Section X1.
	this certificate noither the inspector nor his employer makes any warranty, expressed or implied, concerning th
	and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed in any manner for any personal injury or property damage or a loss of any kind arising from or connected with th
inspection.	in, and manuer reviews and anegotian many or broberty cannade or a ross or any knie and up or connected with th
	12 1/1
Wal	lu Elle Commissions VA 558
	Inspector's Signature National Board, State, Province, and Endorsements
7 50	Manch 1992

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 29 of 34

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

Owner	Virginia Electric & Power Company	Date	03/26/92
	Name	a second s	
	5000 Dominion Blvd. Clen Allen, VA. 23060	Sheet 1 of	1
	Address	WINDO CONTRACTOR	
Plant	North Anna Power Station	Unit 1	
	Nanie		
	P.O. Box 402 Mineral, VA. 23117	Repair/Re	placement Program 92-076
	Address	Repair Organ	Ization P.O. No., Job No., etc.
Work Pe	rformed by Virginia Electric & Power Company	Type Code Symbol S	N/A
	Name	Authorization No.	11/4
	5000 Dominion Blvd. Glen Allen, VA. 23060	Expiration Date	11.1.5
	Address	a report a resolution of a resolution	
Identifie	ation of System Safety Injection		

W 1970 B31.7 19 69 Edition Addenda 78,81,83(K),115code Case 5. (a) Applicable Construction Code ____ (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 Replace or Replacement	ASME Code Stamped (Yes or No)
Flange	N/A	N/A	N/A	1-SI-LT-1930	N/A	Replaced	No
Flange	N/A	N/A	N/A	1-SI-LT 730	N/A	Replacement	No

7. Description of Work

Replaced bolting on upper wellows flange.

3. Tests Conducted: Hydrostatic 🗍 Pneumatic 🦳 Nominal Operating Pressure 📑 Other Pressure____psi Test Temp.____ 0.p

VT-2

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

(12/82)

		Applicable Manufac	turer's Data Rep	orts to be attached	
Rep	laced & studs an	d 16 nuts due to a	build-up of b	oron an bolting.	
					and the second sector design in
					-
		CERTIFICATE	OF COMPLIANO	ε	
We certify ASME Code, Sectio		s made in the report an		<u>Replacement</u> conforms to t repair or replacement	he rules of the
Type Code Symbol	Century	N/A			
Type Code Sympol	otomp	N.C			
Certificate of Autho	orization No.	N/A	Expira	tion Date N/A	
DP	0				
Signed Colo	- Sete	Ectent CIAN	D;	the 26 Merch	19 92
Ownek or	Owner's Designee, 1	<b>Fitie</b>			
		International Contraction Contraction Contraction Contraction		entrale al destate a constant francisca and and an and a second	
		CERTIFICATE OF			
				Boiler and Pressure Vessel Inspect	
or Province of				ord Steam Boiler I & I Co.	
	ard, CT	A		have inspected the compl	onents describe
		100 1 1	10 10 10	6 44 1 6 2 1	
Hartfo	sport during the pe	riod 30 from	92-	0. 4 m	-, and state th
Hartfo	aport during the pe knowledge and belie	riod 3 a free of the Owner has perf	9 2	o 9 M2	_, and state th described in the
Hartfo in this Owner's Re to the best of my	knowledge and belie	ef, the Owner has perf	formed examinat	ons and taken corrective courses	., and state th described in th
Hertfo In this Owner's Re to the best of my Owner's Report in	knowledge and belie accordance with the	ef, the Owner has perf requirements of the A	formed examinat & ME Code, Secti	ons and taken corrective courses	described in t
Hartfo in this Owner's Re to the best of my Owner's Report in By signing this	knowledge and belie accordance with the certificate neither t	ef, the Owner has perf e requirements of the A the Inspector nor his e	iormed examinat & ME Code, Secti mployer makes a	ons and taken corrective secures on XI.	described in ti
Hartfo in this Owner's Re to the best of my Owner's Report in By signing this examinations and	knowledge and beli accordance with the certificate neither t accrective measures	ef, the Owner has perf e requirements of the A the Inspector nor his e described in this Ow	iormed examinat & ME Code, Secti mployer makes a mer's Report. Fi	ions and taken corrective of juras on X1. iny warranty, expressed or implied	described in th d, concerning t nor his employ
Hartfo in this Owner's Re to the best of my Owner's Report in By signing this examinations and	knowledge and beli accordance with the certificate neither t accrective measures	ef, the Owner has perf e requirements of the A the Inspector nor his e described in this Ow	iormed examinat & ME Code, Secti mployer makes a mer's Report. Fi	ions and taken corrective of uras on XI. Iny warranty, expressed or implied inthermore, neither the Inspector	described in th d, concerning t nor his employ
Hartfo In this Owner's Re to the best of my Owner's Report in By signing this examinations and shall be liable in a	knowledge and beli accordance with the certificate neither t accrective measures	ef, the Owner has perf e requirements of the A the Inspector nor his e described in this Ow	iormed examinat & ME Code, Secti mployer makes a mer's Report. Fi	ions and taken corrective of uras on XI. Iny warranty, expressed or implied inthermore, neither the Inspector	described in th d, concerning t nor his employ
Hartfo In this Owner's Re to the best of my Owner's Report in By signing this examinations and shall be liable in a	knowledge and beli accordance with the certificate neither t accreative measures ny manner for any p	ef, the Owner has perf e requirements of the A the Inspector nor his e a described in this Ow personal Injury or prop	formed examinet S ME Code, Secti mployer makes a mer's Report. Fi erty damage or a mm/ssions	ions and taken corrective of uras on XI. Iny warranty, expressed or implied inthermore, neither the Inspector	described in th d, concerning t nor his employ nnected with t

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Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 30 of 34

_____de Case

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

Owner	Virginia Electric & Power Company	Date 03	/05/92
	Name 5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet 1 of	1
Plant	Address North Anna Power Station	unit 1	
	Name P.O. Box 402 Mineral, VA. 23117		ent Program 92-077
Wark Pa	Address Virginia Electric & Power Company	Repair Organization	P.O. No., Job No., etc. N/A
THORN I G	Name 5000 Dominion Blvd. Glan Allen, VA. 23060	Authorization No.	N/A
and an all in	Address Feedwater	Expiration Date	

5. (a) Applicable Construction Code 831.7 19 59 Edition, ¥ 1970
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 5 83 Adci +

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Remov

Removed linear indication from restraint.

Tests Conducted:	Hydrostatic	Pneumatic []	Nominal	Operating	Pressure	
	Cither Pressu	10	nei Taer	Tamo		

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

(12/82)

8

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

5

	Applicable Manufacturer's Data Reports to be attached
	Repaired .45 inch linear indication on feedwater piping hanger PH-33.
	DR- N-92-366
	A final transfer magnetic particle exam was pertained on the creation to another was remared. PAR 5127152 to answe the indication was remared. PAR 5127152 mma steater
	CERTIFICATE OF COMPLIANCE
	le certify that the statements made in the report are correct and this <u>Repair</u> conforms to the rules of the repair or replacement e, Section X!.
Type Code	Symbol Stamp N/A
Signed	of Authorization No. N/A Expiration Date N/A March 19 572 Invite Date 6 March 19 572
	CERTIFICATE OF INSERVICE INSPECTION
or Province	rsigned, holding a valid commission issued by the Nitional Joard of Boiler and Pressure Vessel inspectors and the Sti of <u>Virginia</u> and employed by <u>Hartford Steam Boiler I &amp; I Co.</u> Hartford, CT have inspected the components describ
in this Ow	hartford, CThave inspected the components describ mer's Report during the period 23 from 1952 to 6 766 1552, and state the
	of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in t
Owner's R	eport in accordance with the requirements of the ASME Code, Section XI.
By sign	ing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning
	ins and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his emplo Ible in any manner for any personal injury or property damage or a loss of any kind arising from or connected with t
shall be fla	
	Me suit
shall be fla	illin Eflich Commissions UH 55-F Inspector's Signatura National Board, State, Frevince, and Endorsements

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 31 of 34

#### Virginia Electric & Power Company Date .... 1. Owner .... Name Sheet_____ 0f____ 1 5000 Dominion Blvd. Glen Allen, VA. 23060 Address North Anna Power Station Unit 2. Plant_ Name P.O. Box 402 Miners' VA. 23117 Repair/Replacement Program 92-080 Address Repair Organization P.O. No., Job No., etc. Virginia Electric & Power Company N/A 3. Work Performed by Type Code Symbol Stamp___ Name Authorization No. 5000 Dominion Blvd. Glen Alien, VA. 23060 Expiration Date ____ Audress Blowdown 4. Identification of System.

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

5. (a) Applicable Construction Code 631.7 19 69 Edition, W 1970 Addende, 78, 81, 83 (R), 115 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19,

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Ident fication	Yes: Built	Repaired, Replaced, or Replacement	ASME Chde Stamped (Yes or No)
Valve	Conval	N/A	N/A	1-8D-21	N/A	Ruplaced	NO
Valve	Conval	14590	N/A	1×80-21	1987	Replacement	No

Replaced 2-inch valve 7. Description of Work

8. Tests Conducted: Hydrostatic Pressure Nominal Operating Pressure 374 psi Test Temp. 521

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

(12/82)

Remarks	ASME X1 Class 2.							
	Applicable Manufacturer's Data Reports to be attached							
	Replaced 2-inch Conval valve in accordance with Code Case N-415.							
	An Inservice Leak Test was performed, as well as final LP exams on all welds.							
We	CERTIFICATE OF COMPLIANCE certify that the statements made in the report are correct and this Replacement conforms to the rules of the Section X1							
	mbol StampN/A							
Type Code av	moor stamp							
Certificate of	Authorization No. N/A Expiration Date N/A							
Signed Own	AC Se Terener Cran Date 5/12 1992							
	CERTIFICATE OF INSERVICE INSPECTION							
or Province of	gned, nolding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat Virginiaand employed byo							
	rtford, CT have inspected the components described in the components described in the period in the							
to the best of	f my knowledge and belief, the Owner has performed examinations and taken corrective measures described in thi							
Owner's Repo	ort in accordance with the requirements of the ASI/IE Code, Section XI.							
By signing	this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning th							
	and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed in any manner for any personal injury or property damage or a loss of any kind arising from or connected with thi							
	and M Acuer Commissions VA 424 Inspector's Signature National Board, State, Province, and Endorsements							
Date.	5/13 19.92							

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 32 of 34

Owner	Virginia Electric & Power Company	Date05/20/92
	Name 5000 Nominion Blvd. Glen Aller, VA. 23060	Sheet
Plant	Address North Anna Power Station	Unit1
Control angure	Name P.O. Box 402 Mineral, VA. 23117	Repair/Replacement Program 92-090
Work Pa	Address Virginia Electric & Power Company	Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp N/A
HMIK FU	Name 5000 Dominion Blvd. Glen Allen, VA. 23060	Authorization NoN/A
- industrial and	Address	A CALL AT ALL AND A PROPERTY OF A DATA AND A

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

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

ö. 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, Heplaced, or Replacement	ASME CL. 9 Stamped (Yes or No)
Spring Hanger	Grinnell	N/A	- N/A	1-RC-PH-17	N/A	Replaced	No
Spring Hanger	Grinnell	N/A	N/A	1-RC-PH-17	N/A	Replacement	No
						1.1.1	

Replaced bolts and nuts on hanger. 7. Description of Work

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Prassure_____psi Test Temp._____P

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 e* the top of this form.

(12/82)

#### FORM NIS-2 (Back)

		24833	N.1 193	and the	
Remar	den.	BOME	AL UI	lass 1.	

### Applicable Manufacturer's Date Repurts to be attached Replaced 3/8 inch bolting on spring hanger.

#### A final visual examination determined the hanger to be acceptable.

We certify that the stat ASM∈ Code, Section X1.	CERTIFICATE tements made in the report ar	e correct and this	Replacement conforms	s to the rules of the
Type Code Symbol Stamp	N/A			
Certificate of Authorization No	N/A	Expiration	Date N/A	
Signed Cownar or Owner's Desi	Se Tector stan	Date	8 March	
I, the undersigned, holding a vali or Province of Virginia Hartford, CT In this Owner's Report during	and employed by	Hartford	have inspected the co	omponents described
to the best of my knowledge an				
		SME Code, Section X	α,	
		and the set of the set		
Owner's Report in accordance w By signing this certificate ne examinations and corrective me shall be liable in any manner fo inspection.	easures described in this Ow	mployer makes any v mer's Report. Furthe	rmore, neither the Inspec	stor nor his employe

-

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 33 of 34

Owner	Virginia Electric & Power Company	Date03/07/	92
	Name		
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet of	1
	Address		
Plant	North Anna Power Station	Unit1	
	Name		
	P.O. Box 402 Mineral, VA. 23117	Repair/Replacement	Program 92-091
	Address	Repair Organization P.C	No., Job No., etc.
Work Per	formed 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
	∉ idress		
I down i fi an	etion of System Reactor Coolant		

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

5. (a) Applicable Construction Code 831.7 19 69 Edition, ¥ 1970 Addenda, 78.81.83(R).115 Code Case (b) Applicable Edition of Section X1 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 Identific, tion	Year Built	Repaired, Replaced, or Roplacement	ASME Code Stamped (Yes or No)
Replaced	N/A	N/A	N/A	1-RC-PH-9	N/A	Replaced	No
Replacement	N/A	N/A	N/A	1-RC-PH-9	N/A	Replacement	No

7. Description of Work Installed lock nuts on hanger.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% in. x 1⁴ 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.

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°F

#### FORM NIS-2 (Back)

å

Applicable Manufacturer's Data Reports to be attached         Installed 1/2 inch lock nuts on pipe hanger.         CERTIFICATE OF COMPLIANCE         We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of repair or replacement         SME Code, Section XI.       repair or replacement         repair or replacement       N/A         spec Code Symbol Stamp       N/A         entificate of Authorization No.       N/A         spec Code Symbol Stamp       N/A         entificate of Authorization No.       N/A         construction       Date         March       19         CERTIFICATE OF INSERVICE INSPECTION         the undersigned, holding a valid commission issue! by the National Board of Boiler and Pressure Vessel Inspectors and the Province of         Province of       Virginia
CERTIFICATE OF COMPLIANCE         We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of repair or replacement         SME Code, Section XI.         repair or replacement         N/A         MA         MA         Printing N/A         Expiration Date
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of repair or replacement  The code Symbol Stamp <u>N/A</u> The code Symbol Stamp <u>State State S</u>
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of repair or replacement  The code Symbol Stamp <u>N/A</u> The code Symbol Stamp <u>State State S</u>
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of repair or replacement  The code Symbol Stamp <u>N/A</u> The code Symbol Stamp <u>State State S</u>
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of repair or replacement  The code Symbol Stamp <u>N/A</u> The code Symbol Stamp <u>State State S</u>
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We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of repair or replacement  The code Symbol Stamp <u>N/A</u> The code Symbol Stamp <u>State State S</u>
SME Code, Section XI.  repair or replacement
SME Code, Section XI. The Code Symbol Stamp
ertificate of Authorization No. N/A Expiration Date N/A gned Statewickan Date 8 March 19 5 Owner or Ownar's Designee, Title CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issue't by the National Board of Boiler and Pressure Vessel Inspectors and the
ertificate of Authorization No. N/A Expiration Date N/A gned Statewickan Date 8 March 19 5 Owner or Ownar's Designee, Title CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issue't by the National Board of Boiler and Pressure Vessel Inspectors and the
ertificate of Authorization No. N/A Expiration Date N/A gned Statewickan Date 8 March 19 5 Owner or Ownar's Designee, Title CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issue't by the National Board of Boiler and Pressure Vessel Inspectors and the
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gned
Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issue'! by the National Board of Boiler and Pressure Vessel Inspectors and the
Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issue'! by the National Board of Boiler and Pressure Vessel Inspectors and the
the undersigned, holding a valid commission issue 1 by the National Board of Boiler and Pressure Vessel Inspectors and the
the undersigned, holding a valid commission issue 1 by the National Board of Boiler and Pressure Vessel Inspectors and the
Province of Virginia and employed by Hartford Steam Boiler I & I Co.
Hartford, CT have inspected the components desc
this Owner's Report during the period 11 Feb 1892 to 18 Feb 1992 , and state
the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
wher'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
xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his emp
hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected wit
repection.
Willier E 1/1- Commissions UR: 58

Date 11 MArch 1992

Docket Number: 50-338 Serial Number: 92-336 Attachment 2 Page 34 of 34

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. 10-1-91 Date 5000 DomiNION Blvd. Glew Aller, VA. 23060 Sheet_ 2. Plant North ANNA POWER STATION Unit_ P.O. Box 402, mineral, VA. 23117 DCP 88-11 ization P.O. No., Job No., etc. 3. Work Performed by Fluor DANiel Type Code Symbol Stamp_NA Authorization No._____NA DANiel Bldg. Greenville, S.C. 29601 Expiration Date_____NA 4. Identification of System ReACTON CoolAN 5. (a) Applicable Construction Code B31.7 1969 Edition, 70 115 Code Case Addenda 78,81,83

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

6. Ident friction of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturar Serial No.	National Bo~-i	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
34"Ell	Fluor DAriel	NA	NA	3/4"RC-330 1502-92	1991	Repaired	NO

7. Description of Work Repaired linear indication by welding Spool Piece 35 - Prawing 1-RC-6013B.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 3728 psi Test Temp. <u>AmbienT</u>°F

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

(12/82)

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

FORM NIS-2 (Back)

	Applicable Manufacturer's Date Reports to be attached
1	
-	
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this Kept conforms to the rules of the repair or replacement
45	ME Code, Section XI.
	pe Code Symbol StampN/R
CY.	pe Code Symbol Stamp
	rtificate of Authorization NoN/A Expires on DateN/A
Ce	
	med China Ist Engineer Date 2-Oct 1991
21	Owner or Owner's Designee, Title
-	
	CERTIFICATE OF INSERVICE INSPECTION
i.	the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the Sta
or	Province of UIPSINIA and employed by H. S. B. Z + Z CO.
	Province of U 105 IN 10 and employed by H. S. B. Z + Z CO. Hantbard CT have inspected the components describ
in	this Owner's Report during the period 22 Jan 1991 to 29 Jan 1991 , and state th
to	the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in t
0	wher'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
83	aminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his emplo
	all be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with t
	spection.
11	10 11,
11	1.1 116 6111
	William Ellin Commissions VASTS Inspector's Signature National Board, State, Province, and Endorsemants

### ATTACHMENT 3

### 1992 UNIT 1 STEAM GENERATOR INSPECTION OUTAGE INSERVICE INSPECTION SUMMARY REPORT

EVALUATION ANALYSIS OF EXAMINATION RESULTS

NORTH ANNA POWER STATION - UNIT 1

VIRGINIA ELECTRIC AND POWER COMPANY

in the test of the second

Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Fage 1 of 36

#### Evaluation Analyses

There were 12 component supports which had conditions exceeding the acceptance standards of IWF-3400 and were not repaired. These 12 component suppor a were acceptable for continued service by evaluation as allowed by IWF-3122.4 The evaluations and exam eports are included in Attachment III pages 2 through 36.

Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page 2 of 36

# DETERMINATION OF PROPER SNUBBER RESERVOIR LEVEL

# MARK # 1-5HP-H55-210

For the snubber to be operable, the volume of oil in the reservoir must be equal to or greater than the volume of oil required when extending the piston rod to maximum allowed piston set.

- V(req) = Volume required when extending the piston rod to its max
  - * (max rod travel) X (rod area)
  - A = Rod Area = pi x r squared , where r is rod radius # 4.906 sq. in. for
- R(max) = Maximum rod travel from as-found piston setting in the

  - * (maximum allowable piston set) (as-found piston set) = 6.875 in. - 4 4 win. 4.250

NOTE: If the maximum piston setting is not available, use the maximum

V(req) = R(mex) x A

. . . .

- = 2.625in. x 4.906 sq. in.
- . # 12.878 cu. in.

V(oil) = As-found volume of oil in reservoir.

- # (meximum res. volume)X(as-found fraction of res. level) = 43.58 cu. in. x . 4
- * 17.432 mu. in.
- v(oil) > v(req) for snubber 1.5HP-HS5-210 to be operable.

17.432 12.878 , THEREFORF THE FLUID LEVEL OF 40%

FULL FOR 1-SHP. HSS 210 15 SUFFICIENT

DATE: 1/20/92 ISI ENGR:

Ξ.

page / of /

VIRGINIA POWER VISUAL EXAMINATION (VI-3) COMPONENT SUPPORTS Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page 3 of 36

1.	STATION: NAPS	Unit:	System:	SHP
Not	Drawing: 11715. P562- 11715. WMK e: Support <u>Design</u> Dra location during VT-3 ponent supports	101C-3 -101C wing must be used examinations of	3. Direct:	Ramote:
4.	Component Inspected:	1- SHP-HS	55-2101	LINE # 32" SHP-2-601-02)
	For Spring Nangers: Manufacturer:	N/A .	todel Number:	N/A spring size: N/A
	insulation, the in	sulation must be r r serves as a stru	ctural restraint	ACCEPT REJECT N/A
	Structural degradation area i	on of the support s reduced more that	such that the in 5 percent.	MACHET REJECT N/A
7.	Deformation or struc springs, clamps, or	tural degradation other support ites	of fasteners,	
8.	Missing, detached, o	r locsened support	itmas	×
9.	ARC strikes weld spa general corrosion on surfaces.	tter, pairt, scori close tolerance s	ng, roughness, c achined or slidi	ng
10.	Fluid loss beyond sp indication (EYDRAULI	acified limits or C SNUBBERS ONLY)	lack of fluid	
11.	Improper hot or cold SUPPORTS)	positions (SNUBBE	RS AND SPRING	<u> </u>
12.	Commenta: PER PER	5K- MAX C	P.S - 4 /4 PERABLE PE	E FLUID EVALUATEN
	the statement of the statement and the statement			NA COLD NA
14.	Record Work Order Nu	mber or DCP Number	if applicable.	J/A
15.	Notify IST Engineeri 1/24/92 Date	ng of reportable c		CONNER
16.	NAME OF EXAMINER (PR	RLE RLE	松井山	EXAM DATE 1/24/92
17.	ANII SIGNATURE:	Mand M An		DATE 2-14-92

NORTH	ANNA	51	TE	ENGINEERING	EREVICES
INFLER	ENTIP	IG	PR	OCEDURE	

Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page 4 of 36

STATION REQUEST REA # 92 . 010 STATION ISI REQUEST #

> ENGINEERING EVALUATION Class 1, 2, and 3 Component Support Problem Resolution

		NF	
COMPONENT NO.	1-66-5-190	LILE NO. 3" CC-734-151-Q	3
LOCATION DWG.	11715-WMK5-0103AN Roy 0	REFERENCE DWG	
REPORTED PROBL		6	
D Minor po	int and comosion on sliding	is surface	
(2) P/Lac	cersible areas have been cle	eared	
the style story during a start of any style story of the strength of the stren			
REPORTED BY:	C.L. Conner DA:	TE: 1/31/92 EXT. 2065	-
Is the compone	ant support operable in the current	nt condition? yes no	
EVALUATION:	since a bast effort attempt	ho been made to remove	
all print	and corresion from shiding	surface and us significant	
an part	last by here coached	the remaining inaccessib.	le
PRSE MELL	1825 turs kill septers	t a agrada' l'	
areas are	I no carcera to support	ci costante ge	
CORRECTIVE AC	TION REQUIRED	이 가지 않는 것 같은 것이 없다.	
Tack-va (	rat all accessible aires . informes, see disposition	as required. Do not cost	
stiding	offices. See Nisonition	to DK #N92-0288 and	
follas NA.			1
1011au N/1.	)-540.		
summer and an an an and the product of the	0021.1		
EVALUATED BY :	C. a. fullecial and	TE: 02-06-92	
REVIEWED BY:	the Modulusti DATE	59/6/92	

VIRGINIA POWER VISUAL EXAMINATION (VT-3) COMPONENT SUPPORTS Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page 5 of 36

401 Rovid

1. Stallon NAPS	Dnit: 1	Systems CC	
2. Drawing: 11715- WMRS Note: Support Design Dr on location during VT-3 component supports	aving must be used	3. Direct:	Asmote:
4. Component Sepected:	1-00-5-190	8-00-3	34-151- Q3
5. For Spring Bangers: Hanufacturer:	~/A M	A second	spring Size: ~/A
OI FUM COMPONNIA	DEULECIOD HUST DO TO	stural restraint in	is buried within the upport carries the weig compression. Contact
CHECKLIST 6. Structural degradat cross-section area	ion of the support s is reduced more than	such that the 5 percent.	ACCEPT REJECT N/A
<ol> <li>Deformation or stru springs, clamps, or</li> </ol>	ctural degradation of other support items	of fasteners,	<u> </u>
0. Missing, detached,	or loosened support	itame	<u> </u>
<ol> <li>ARC strikes weld sp general corresion o surfaces.</li> </ol>	atter, paint, scorin D close tolerance ma	ng, roughness, or schined or sliding	
10. Fluid loss beyond s indication (EYDRAUL	pecified limits or 1 IC SNUBBERS ONLY)	lack of fluid	
11. Improper hot or col SUPPORTS)	d positions (SNUBBER	LS AND EPRING	
12. COmments: # Mwos, Pa	UT AND CORDINON ON	ELIDING SERFACE, AU	ACCESSABLE AREAS CLEANED.
13. ACTUAL SFTTING:	ZA REQUE	ENED SETTING	a cold -/a
14. Record Work Order N	umber or DCP Number	if applicable.	
15. Notify ISI Engineer 1/31/92 -/ Date	ing of reportable co Wotification re	1 Marth	2
16. NAME OF EXAMINER (P	RINT): GARYNOG	EL EXA	M DATE 1-22 - 92
17. ANII SIGNATURE:	mul 17 Aura	DAT	z_2/16/85
wate the Minutable Marshian	and an induction of the to make the states	E-Minter (- 2-10-	72 ASSURIA PORTE
			2-17-92

Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page 6 of 36

#### ATTACHMENT 4 VIRGINIA POWER VISUAL EXAMINATION REPORT (VT-3) IWF COMPONENT SUPPORTS

0

1.	Station: NAPS Unit: System: CC
2.	Drawing: 11715-WAKE-0103AN RW. 0 Remote: Direct:
3.	Component Examined: 1-CC-5-19D 8"-CC-334-151-6-3
4.	For Spring Hangers (if available): Manufacturer: N/A Model Number: N/A Spring Size: N/A
CHEC	KLIST ACCEPT REJECT N/A
5.	Structural degradation of the support such
6.	Deformations or structural degradations of
7.	Missing, detached, or loosened support items.
8.	ARC strikes, weld spatter, paint, scoring
9.	Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).
10.	Improper hut or cold positions (SNUBBLRS AND SPRING SUPPORTS).
	comments: No measurable lass of base material noted. Syport is operable per attached RETT 92.010 dated 02/06/82
second to be a second second	Actual Setting: NA Required Setting: Hot NA Cold NA
13.	Record Work Order or DCP Number if Applicable: 139733 and N-92-0288
	Recommended Supplemental Exam: Yes: No: Type: NA
15.	Notify ISI Engineer of reportable condition.
16	NAME OF EXAMINER (PRINTY) C.L. Conner EXAM DATE 2-7-72 SIGNATURE:
17.	ANII SIGNATURE: Mail on Hung DATE 2/14/92-

BTROM	ANNA	81	TE	ENGINEERING	SERVICES
IMPLER	CENTIN	IG	PR	OCEDURE	

Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page 7 of 36

STATION REQUEST REA # ______ 52____ O// STATION ISI REQUEST #

				20	TINEERING	EVALUAT	LOK.	
Class	1,	2,	and	3	Component.	Support	Problem	Resolution

	1-CC-S-24D 11715-WMKS-0103AN Rev 0		NP <u>8''-cc-334-151-03</u> DWG
D Minor B D All acce	int and corression on sliding with orcas have been ch	surface:	
REPORTED BY:	C.L. Coner DA	TE: 1/31/9	2 EXT. 2065-
Is the componerty is the componerty is the component of t	ent support operable in the curre in order to care the steat Il he reprived from the access	nt condition	? no
to permit 1	SI visual inspection. If just il as sliding surfaces, then intend corresion can be left in measureable base motal loss.	ection indi	enter menumentela lass
Sake all as	reasureable base motal loss. TION REQUIRED base bare been de liding surfaces to resure no n	uned, 1.J.	sheli unpet bese
See disputition	to OR *N-92-0288 for further C. a. Feleviet DAS	the Dee Go	for the dispesition:
REVIEWED BY:	Lany E Mady lunki DATE	2/4/9	2

VIRGINIA POWER VISUAL EXAMINATZON (VT-3) COMPONENT SUPPORTS Serial Number: 50-338 Serial Number: 92-366 Attachment 3 Page 8 of 36

2. Drawing: 11715- www.s- Note: Support Design Dra on location during VT-3 component supports.	wing must be used	3. Direct:	the state of the second s	
	examinations of	6	Remote:	
e. component inspectant	- 00- 5-240		an a	an the state of th
5. For Spring Bangara:		8-66-3	34-151- 43	
Manufacturer:	Physics and a party of a state of the state	iodel Number: //		~ (mg
the attraction of the state of		STUPAL LOLARS LDG S		
6. Structural degradati cross-section area i	on of the support s reduced more that	such that the n 5 percent.	ACCEPT REJ	ECT N/A
7. Deformation or strac springs, clamps, er	tural degradation other support item	of fastoners, s.	<u> </u>	
8. Missing, detached, o	r loosened support	items	×	
9. ARC strikes wald spe general corresion on surfaces.	tter, paint, scori close tolerance 2	ng, roughness, or achined or sliding		Party Managerson p ^{ar} Carro Romandorio,
<ol> <li>Fluid loss beyond sp indication (SYDRAULI)</li> <li>Laproper hot or cold</li> </ol>	C SHUBBERS ONLY)		9999, 2000-00 (Million of the	
2. COMMETTE: MINOR PAIN Have BEEN	T AND LORROSON ON CLEANED	SLIDING SURFACE. AI	I Accessable Al	eres
3. ACTUAL SETTING:	A REQU	IRED SETTING	A COLD	Ja
4. Record Work Ordes Nus	aber or DCP Number	if applicable.	fan fa ferste an an ferste staat an ar	
5. Notify ISI Engineerin //3//92 Date	Notification re	(1)	l-	Provinsion, Sciencescone
6. NAME OF EXAMINER (PRI SIGNATURE:	INT): GARY MOR	August to Comparison and August and	r date <u>1-22-9</u> el·II.	K
7. ANII SIGNATURE:	and the Area	DAT	E_2/18/92	North Market Barry Barry Annual Loss
-Adore- the Artragerex Bet - ABA TELLIA	K-de 65 and all all	Base Marker 62	10-12 1011	100
			(12-17. m/2	92

Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page 9 of 36

#### ATTACHMENT 4 VIRGINIA POWER VISUAL EXAMINATION REPORT (VT-3) IWF COMPONENT SUPPORTS

0

1.	Station: Unit: JAPS Unit: System: CL
2.	Drawing: Remote: Direct:
	11715-WARS- 0103 AN Rev. 0
3.	Component Exemined: 1-CC-5-24.D 8"-CC-334-151-Q3
4.	For Spring Hangers (if available): Manufacturer: NA Model Number: NA Spring Size: NA
CHEC	CKLIST ACCEPT REJECT N/A
5.	Structural degradation of the support such
6.	Deformations or structural degradations of
7.	Missing, datached, o. loosened support items.
8.	ARC strikes, wold spatter, paint, scoring
9.	Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).
10.	Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).
11.	comments: No measurable loss of base metal noted. Support is ceptable per attached REA 92-011 dated 2/4/82.
	Actual Setting: N/M Required Setting: N/M N/M
	NIM COLO NIM
23.	Record Work Order or DCP Number if Applicable: 139734 and DR N-92-028
14.	Recommended Supplemental Exam: Yes: No: Type: NA
15.	Notify ISI Engineer of reportable condition. NA Notification received by NA Date
16.	NAME OF EXAMINER (PRINT): C. L. Conner EXAM DATE 2/2/92 SIGNATURE: C. L. Conner LEVEL TIL
17.	ANII SIGNATURE: Mal M. House DATE 2/14/92

HORTE ANNA SITE ENGINEERING ERRVICES IMPLEMENTING PROCEDUT

Docket Number: 50-338 Serial Number: 92-366 Attachmen: 3 Page 10 of 36

STATION REQUIT REA # 92 - 015 STATION ISI

REQUEST #

ENGINEERING EVALUATION Class 1, 2, and 3 Component Support Problem Resolution

CORL ONENT NO. 1-CE-R-J2C LINE NO. 18"- CE-329-151-01: CORL ONENT NO. 1-CE-R-J2C LINE NO. 18"- CE-329-151-01: CORL ONENT NO. 11715-WMK-S-010: B ROV. 0 REFERENCE DWG 11715-RE ^R K-103B.	5
Deported problem: Deported problem: Department and corrosion on stiding surfaces, Department and corrosion on stiding surfaces, Department and corrosion on stiding surfaces,	
REPORTED BY: <u>C.L. Conner</u> DATE: <u>2/4/97</u> EXT. <u>2023</u> Is the component support operable in the current condition? <u>Vyse</u> no EVALUATION: <u>Since a best effort attempt has been made to remove all</u> <u>faint and corresion from sliding surface and the significant bass</u> <u>richt loss has been reported</u> , the remaining inaccessible corces <u>are of no consern to support aperability</u> .	
CORRECTIVE ACTION REQUIRED Touch-up mot all accessible ciews as required. Do not cost sliding curfaces See disposition to DK # N92-D288 mod follow NHS-3000, EVALUATED BY: C.Q. Televill DATE: 02-06-92	
REVIEWED BY: <u>Lary E. Mathelius</u> tidate: <u>2/6/92</u>	

#### VIRGINIA POWER VISUAL EXAMINATION (V.7-3) COMPONENT SUPPORTS

Serial Number: 50-338 Serial Number: 92-366 Attachment 3 Page 11 of 36

1.	STATION: NAPS	DELE: 1	System: CC	riar and a second s	NEW YORK AND DESCRIPTION OF A DESCRIPTION
Not	Drawing: 11715-0000 te: Support Staten D location Ruing VT- mponent supports	rawing must be used	3. Direct:	Ramote:	
4.	Component Inspected		18" - 60		f Divinsi man an a
5.	For Spring Bangers: Manufacturer:	~/a	Model Number: 1/4	Spring &_z	e: ~/s
CHEC	KLIST	if there are any qu	estions.	ACCEPT REJE	CONTACT
6.	Structural degrada cross-section area	is reduced more the	such that the an 5 percent.	anna ann ann ann	
7.	Deformation or str springs, clamps, or	uctural degradation r other surport ites	of fasteners, ms.		-
8.	Missing, detached,	or loosened support	t items	/	
9.	ARC strikes weld sy general corresion surfaces.	patter, paint, scor. on close tolerance i	ing, roughness, or machined or sliding	_ *	illo enterestatives
10.	Fluid loss beyond a indication (HYDRAU	specified limits or LIC SNUBBERS ONLY)	lack of fluid	0 0000000 000000000	
11.	Improper hot or co. SUPPORTS)	ld positions (SHUBB)	ERS AND SPRING	-	
12.	Comments : X M. J+K PA	e any Catholion on 5. Dim	10 2 AFREFS. AI ACCESIA	PLE AREAS CLEANE	٥.
13.	ACTUAL SETTING:	m/m REQU	JIRED SETCING	A COLD	~/~
14.	Record Work Order 1	NUMBER OF DCP Number	A STREET, A STREET, A STREET, A STREET, AND A STREET, AND A STREET, AND A STREET, A ST	nn af natharan ann an Annaidh ann an Annaidh ann an Annaidh ann an Annaidh ann ann ann ann ann ann ann ann ann An Annaichte ann ann ann ann ann ann ann ann ann an	ner - Senara Barran (Senara) Provinsi de Christian (Senara)
15.	Notify ISI Engineer 2/4/42 Date	Notification :		2	Charlest angen alle a los ana guns server
16	NAME OF EXAMINER () SIGNATURE:	G M	A	AR DATE 2-3-9	2
art-manager a	ANII SIGNATURE:	and the second sec		TE c/v/22	N C BORD D. BREAKING TOTAL Live represente



Docket Number: 50-338 Serial Number: 92-366 Attachmert 3 Page 12 of 36

#### ATTACHMENT 4 VIRGINIA POWER VISUAL EXAMINATION REPORT (VT-3) INF COMPONENT SUPPORTS

. 2

	Station: NAPS Unit: System: CC
2.	Drawing: 11715 - PSSK - 1030.5 Remote: Direct:
3.	Component Examined: 1-CC-R-32C 18". CC-329-151-Q3
4	For Spring Hangers (if available): Manufacturer: Model Number: N/A Spring Size: N/A
CHE	CKLIST ACCEPT REJECT N/A
5	Structural degradation of the support such
6.	Deformations or structural degradations of
7.	Missing, detached, or loosened support items.
8.	ARC strikes, wald spatter, paint, scoring *
9.	Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).
10.	Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).
11.	comments: No measurable loss of base material noted. Syport is openble per attached REA 92-015 duted 02/06/52
12.	Actual Setting: N/A Required Setting: Hot N/A
	No cold NA
23.	Record Work Order or DCP Number if Applicable: 139738 and CVR N-92-0238
	Recommended Supplemental Exam: Yes: No: Type:
15.	Notify ISI Engineer of reportable condition.
16.	NAME OF EXAMINER (PRINT): C.L. Conner EXAM DATE 2-7-92 SIGNATURE:
17.	WIII SIGNATURE: Minh M. Ann DATE 2/14/92

NORTE ANKA SITE ENGINEERING SERVICES

Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page 13 of 36

STATION REQUEST REA # 92 - 009 STATION ISI REQUEST #

Class 1, 2, and 3 Component Support Problem Resolution

	KP
COMPONENT NO. 1-5412- R-176	LINE NO. 8"- 5449-76-601-23
LOCATION DWG. 11715-WMKS- DID7 GA REND	REFERENCE DWG
REPORTED PROBLEM:	
	is unfaces
O Minor paint and corrosian on slidu @ All accessible creas have been closes	d.
And a second of a second	
	an a demonstration and and an a state of the second and and an an an an an and a second s
REPORTED SX: C. L. Concer DATE	1/21/82 EXT. 2065
REPORTED SIT	
Is the component support operable in the current EVALUATION: looder to course the tatent of a	conditions yes no ocosta
EVALUATION: In order to crige the Extent of Co.	170:101 all funt was the Cortison
shall be removed from the accessible are	as at the stiding lattice to
permit 151 visual inspation. It inspection	indicates measureable less of
have metal on sliding surfaces then crotect	DED for turker direction, Kennin,r
maccessible paint and corros.on Can he left reveal no mensurcable base metal loss. CORRECTIVE ACTION REDUIRED	in place if other accessible are
reveal no measureable base metal lows.	
Survey and and stille area have been a	leaned ist shall us set have
Since all accessible areas have been a	the block of the set of the set
metal on sliding surfaces to ensure	no prosent co et - mutari las
Report any measureable base meral loss in	disations to DEO for Turmer
disposition. Se disposition to DE * N-92 0284	s for further intructions.
EVALUATED BY: C. R. Fulsin DATE	
REVIEWED NY: <u>EUNE MODELINE</u> DATE:	2/4/92

VIRGINIA POWER VISUAL EXAMINATION (VT-3) COMPONENT SUPPORTS Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page 14 of 36

1. Station:       NAP5       Dhit:       1       Systam:       SHP         2. Drawing: x715-wmk5- 0107 GA Riv.d       3. Direct: SHP         Note: Support Design P- wing must be used on location during VT-3 examinations of component supports       3. Direct: SHP         4. Component Inspected:       I-SMP-R-176       B'-SMP-76-601-Q3         5. For Spring Bangers: Manufacturer:       Model Mumber:       1/2         Note: If the mechanical connection of a non-integral support is buried within the
Note: Support Design P wing must be used on location during VT-3 examinations of component supports 4. Component Inspected: 1-SHP-R-17G B'-SHP-7G'GOI-Q3 5. For Spring Bangers: Manufacturer: Manufacturer: Note: If the mechanical compaction of a periodectal second
Note: Support Design P wing must be used on location during VT-3 examinations of component supports 4. Component Inspected: 1-SHP-R-176 5. For Spring Bangers: Manufacturer: Manufacturer: Note: If the mechanical compaction of a promitteeral endoted in the formation of the promitteeral endoted in the promitteeral endoted
5. For spring Bangers: Manufacturer: $M_A'$ Model Mumber: $M_A'$ Spring Size: $M_A'$
Manufacturer: "/A Model Mumber: "/A Spring Size: /A
Manufacturer: "/A Model Mumber: "/A Spring Size: /A
NOTE: If the mechanical connection of a non-integral support is buried within the
insulation, the insulation must be removed unless the support is buried within the of the component or serves as a structural restraint in compression. Contact ISI Engineering if there are any questions.
6. Structural degradation of the support such that the Cross-section area is reduced more than 5 percent.
7. Deformation or structural degradation of fasteners,
8. Missing, Jetached, or looseped support items
9. ARC strikes weld spatter, paint, scoring, roughness, or
10. Fluid loss be an specified limits or lack of fluid
11. Improper hot of cold positions (SNUBSERS AND SPRING
12. COMMENTER: # MINOR PAINT AND CORROSION ON SLIDING SURFACE, All ACCESSES - & ARGAS CLEANED
13. ACTUIL SETTING: -/A REQUIRED SETTING N/A COLD N/A
14. Record Work Order Number or DCP Number if applicable.
15. Notify ISI Engineering of reportable condition. 
16. NAME OF EXAMINER (PRINT): GARY NOEL EXAM DATE 1-30-92 SIGNATURE: C. 7/_L LEVEL: IL
17. ANII SIGNATURE: Mul M. Huse DATE 3/10/92
NOTE - NO MEASUREABLE MATERIAL LOSS OWN BASE METAL. 6#1 2-8-92
Since there was no measureable loss of base metal, in accordance
Since there was no measureable loss of base metal, in accordance with REA # 92-009 this support may be considered acceptable. J.P. Hamil 2-8-92
acceptable. J.P. Hamil 2-8-92

Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page 15 of 36

#### ATTACHMENT 4 VIRGINIA POWER VISUAL EXAMINATION REPORT (VT-3) IWF COMPONENT SUPPORTS

CONTRACTOR OF TAXABLE	
	Station: NAPS Unit: / System: SHP
	Drawing: 11715 - RSSK - 10764.12 11715 - WMKS - 01076A Rov. 0 Rerote: Direct:
3.	Component Examined: 1-5HP-R-176 8"-5HP-76-601-03
4.	For Spring Hangers (if available): Manufacturer: $N A$ Model Number: $N A$ Spring Size: $N A$
Chic	KLIST ACCIPT REJECT N/A
5.	Structural degradation of the support such
6.	Deformations or structural degradations of
7.	Missing, detached, or loosened support items.
8.	ARC trikes, weld spatter, paint, scoring
9.	Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).
10.	Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).
	comments: No measurable lass of base metal noted. Support is enable per attached REA 92-009 dated 02/04/82
12.	Actual Setting: Required Setting: Not NIA
	N/A Cold N/A
13.	Record Work Order or DCP Number if Applicable: 139755 6- DR N-92-02 FF
14.	Recommended Supplemental Exam: Yes: No: Type:
15.	Notify ISI Engineer of reportable condition.
16.	NAME OF EXAMINER (PRENT): C.L. Comer EXAM DATE 2-592 SIGNATURE:
17.	ANII SIGNATURE: Mich 1. Anne Gene DATE c/14/42
	27112 27112 *CI Berlin

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NORTE ANNA SITE ENGINEERING SERVICES

Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page 16 of 36

STATION REQUEST REA #  $\frac{62}{57}$  STATION ISI REQUEST #

			E	GINEERING.	EVALUAT		
Class	1,	2,					Resolution

			NP
COMPONENT NO.	1-KI-R-30	LINE NO. 4"-	RC-15- 1502-Q1
	11715- MMKS-0110B-1 Rav 0	NEFERENCE DWG	
REPORTED FROBI			
D Heavy pri	int and commercion still exist.	under stiding su	tries
(2) All acces	eible ances have been close	ed	anna a marra annar an marra a an dù an
Accession in the second state in the second state in the second	4 	NUMBER OF COMPANY OF AN ADDRESS OF ADDRES	and the second
			NAME AND ADDRESS ADDRESS OF A DRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADD
REPORTED BY:	C. L. Conner DA	IE: 1/31/92	EXT. 2065-
is the component	ent support operable in the current	nt condition?	yes no
EVALUATION:	is a dow to gage the extent of	composion, all pa	int and corrosion
itall he rew	svez mern the accessible areas	of the sliding	surface in permit
151 visual ins	action. If impection indicate	es a measureable	have metal loss
in the station	a sardie then costart DEU for	turker divection.	Remaining inaccessible
Nist Dad me	Lase metal 1035. TION REQUIRED	ther accessible on	n: remal no
measurcable	base metal 1035.		
CORRECTIVE AC	TION REMARKED	ad 158 sharl in	sans have instal
Ance an act	essible areas have been ritean	Inter lance entrol	lass Narrot man
on sliding	unfaces to assure no massurea	1 Die 6 E.	Man dismisting
ing other li	e no ucophie hate meta' loc)	FT DEO ME LUK	They & pposition. St
dispuitor to	DE "N-92-0284 for further is	astractions.	
EVALUATED BY	C.a. Elisiah DAT	B: 02.03-42	
REVIEWED BY:	LANay & Motocellusti DATE	: <u>z/4/9z</u>	

VIRGINIA POWER VISUAL EXAMINATION (VT-3) COMPONENT SUPPORTS Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page 17 of 36

1.	STATION: NAPS	Dait:	system: RC
Not	Drawing: 11715-00 Ho te: Support <u>Design</u> Dr location during VT-3 moment supports	awing must be use	3. Direct: S Remote:
4.	Component Inspected:	1-RC-R-30	4-RC-15-1502 - Q1
5.	For Sp. ing Bangers: Manufasturer:	rila	Model Number: ~/ Spring Size: 4/4
CHEC	A LISS WAR IN A CPEL / INCOMP JA	ion of the suppor	t such that the ACCEPT REJECT N/A
7.	Deformation or stru- springs, clamps, or	stural degradatio	of fastepers.
8.	Hissing, detached, a	or loosened suppo	rt items
9.	ARC strikes weld spu general corrosion on surfaces.	stter, paint, sco close tolerance	ring, roughness, or *
10.	Fluid loss beyond suindication (HYDRAUL)	perified limits on control on the second sec	r lack of fluid
11.	Improver hot or cold SUPPORTS)	i positions (SNUB	BERS AND SPRING
12.	Comments: HEAVY Paint	AND CORROSION OTA	LL EARST WHOLER SUDER SHREACE, AN ACCESSIBLE AREAS GINFERING FOR FURCHASION.
13.	ACTUAL SETTING:	N/0 RE	OUIRED SETTING
14.	Record Work Order Nu	under of DCP Numb	er if applicable.
15.	Notify ISI Engineer: //3//92- Date	which will be an end of a set of the	Sector A 1
16.	NAME OF EXAMINER (P)	and a little	NOEL EXAM DATE 1-29-92 LEVEL IL
17.	ANII SIGNATURE:	mark m fre	2. DATE 2/10/92



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#### ATTACHMENT 4 VIRGINIA POWER VISUAL EXAMINATION REPORT (VT-3) IWF COMPONENT SUPPORTS

1.	Station: NAPS Unit:   System: RC
2.	Drawing: 117/5- PSSK-1100.18 11715-WAKS-01108-1 Rev. 0 Remote: Direct:
3.	Component Examined: 1-RC-R-35 4"-RC-15-1502-Q1
4.	For Spring Hangers (if available): Manufacturer: N/A Model Number: N/A Spring Size: N/A
CHEC	KLIST ACCEPT REJECT N/A
5.	Structural degradation of the support such
6.	Deformations or structural degradations of
7.	Missing, detached, or loosened support items.
8.	ARC strikes, weld spatter, paint, scoring
9.	Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).
10.	Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).
	comments: No measurable loss of base material noted. Syport is perable per attached 12:09 92-007 dated 2/4/92.
STREET, STREET	Actual Setting: NA Required Setting: Hot NA
	win cold win
13.	Record Work Order or DCP Number if Applicable: 139749 and DR 142.021?
	Recommended Supplemental Exam: Yes: No: / Type: 2/14
15.	Notify ISI Engineer of reportable condition. $\frac{N/P}{Notification received by}$
16.	NAME OF EXAMINER (PRINT): C.L. Conner EXAM DATE 2-5-92 SIGNATURE: LEVEL TIL
17.	ANII SIGNATURE: Mad. M. Home DATE 2/14/92 -

MORTE ANAR SITE ENGINEERING SERVICES

Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page 19 of 36

STATION REQUEST REA # 92 - 004 STATION ISI REQUEST #

Class 1, 2, and 3 Craponent Support Problem Resolution

	1-RC-R-52	LTHE NO. 4"-R	NP
COMPONENT NO.	11715-WMKS-110B-2		715- PSS/K-1103.
the st	EB: <u>and pacer installed ex</u> <u>oherical bearing</u> : <u>ien and paint on sphe</u>	Annan'i Marka ada akan katar kelak kelakan katar pantakan katar katar katar katar katar katar katar katar kata	not next to
Is the component EVALUATION: () <u>Camp Space</u> <u>Dri either sig</u> up rorrosion :	<u>C. C. Concer</u> D Int support operable in the curr <u>D</u> To help conter the spherical <u>s</u> is flat waviers r/m <u>b</u> of the phoical travinge ( print, but minor anotherity minut will not jecpordize	Ent condition? letting in the cla 1 ine installed insis 2) An attempt we work on the spheric	the pipe change marze the clean mical bearing.
CORRECTIVE ACT	L Order to reinstall the spher washer on either side of		

EVALUATED EY: C.A. Enlessing DATE: 32-03-92. REVIEWED EY: Stary & Margelusti DATE: 2/4/92

#### VIRGINIA POWER VISUAL EXAMINATION (VI-3) COMPONENT SUPPORTS

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1. St.	stion	NAPS	Daits	System: RC
Note: on lo	support	Design Dr Huring VT-3	- NUB-Z REV. D awing must be use examinations of	4 3. Direct: Assorte:
4. Co	mponent	Inspected:	1- RC - R - 52	LINE - 4-RL-14-1502-G1
	r Spring nufactuu	Bangarsı Gri	~/_	Model Number: -/- Spring Size: -/-
HECKI	ISI English	component insering i	ion of the suppor	t such that the
C	2088-960	stion area	is reduced more t	han 5 parcent.
7. D	prings,	clamps, or	ctural degradatio	ess.
8. M	issing,	detached,	or loosened suppo	ert items
g	RC stril eneral o urfaces.	corrosion o	etter, paint, sco b close tolerance	ring, roughness, or
10. F	luid los ndicatio	se beyond a	Decified limits of IC SNUBLERS ONLY)	or lack of fluid
s	UPPORTS		d positions (SNUE	AREAS CONTRACTOR OF CONTRACTOR OF CONTRACTOR
12. C	OMMANT.S	TE STRUT R. TE SIMERIA FR C.	tite immedit structure for non Difference territoria	SPHERICAL BEAR, JGS
	CTUAL SI			EQUIRED SETTING BOT ~/A COLD ~/A
14. R		ISHTAP	umber or DCP Num	per if applicable.
15. N	ictify I 1/3//4 Det	2	Notification	a received by CLR
	IANE OF	1	PRINT): ()	LEVEL IT
17. A	WII SIG	NATURE :	Mah my Hura	DATE 2/16/92
				2-17-92 TRIDS POE Rovies

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#### ATTACHMENT 4 VIRGINIA POWER VISUAL EXAMINATION REPORT (VT-3) IWF COMPONENT SUPPORTS

Unit: 1. Station: System: NAPS 11715 - PSSK- 1100.44 Rev 1 2. Drawing: Remote: Direct: . 11715 - WMKS- 1108 2 Rev O 3. Component Examined: 1-RC-R-52 For Spring Hangers (if available): Manufacturer: Model Kumber: 4 . Spring Size: Na NIA CHECKLIST ACCEPT REJECT N/A 5. Structural degradation of the support such that cross-section area is reduced. Deformations or structural degradations of fasteners, springs, clamps, or other support ltems. 7. Missing, detached, or loosened support items. ARC strikes, weld spatter, paint, scoring roughness, or general corresion on close tolerance machines or sliding surfaces. 9. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY) . 10. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS). 11. comments: No measurable base material lass noted. Support 1'5 operable is per attached REA 92-004 detect or loy 152 12. Actual Setting: NA Required Setting: Hot Cold NI 13. Record Work Order or DCP Number if Applicable: 141311 14. Recommended Supplemental Exam: Yes: Type: NA No: 15. Notify ISI Engineer of reportable condition. Notification received by DACA 16. NAME OF EXAMINER (PRINTY: C. L. Conner EXAM DATE 2/13/5 SIGNATURE: LEVEL / med m Anea 17. ANII SIGNATURE: DATE 2. (14/92 Des

NOATE ANEA SITE ENGINEERING SERVICES IMPLEMENTING PROCEDURE

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NP

STATION REQUEST REA # 92 006 STATION ISI REQUEST # ENGINEERING EVALUATION Class 1, 2, and 3 Component Support Problem Resolution LINE NO. 8-55-40-153A-Q2. COMPOHENT NO. 1-SI-R-36 LOCATION DWG. 11715-WALKS- OILB RAND REFERENCE DWG REPORTED PROBLEM: @ Heavy print and corrosion prevent on sliding wrface 12 Point has been remand from accessible greas DATE: 1/31/92 EXT. 2065 REPORTED BY: C.L. Conner

Is the component support operable in the current condition? _____ yes ____ no EVALUATION: In order to gage the extrat of orrasion, all paint and corresion shall be removed from the accessible areas of the sliding surface to permit 151 visual inspartion. If inspection indicates manufactureable loss of base motel on stiding intace, then motort DEC for repair. Remaining increasible paint and corresion can be left in place if other accursive areas corrective action REQUIRED Since all accessible areas inverteen cleaned 131 shall inspect base metal on stiding surfaces to ensure no measureable meterial less, levert any measureable ose metal loss indications to DED for further disputition. See disputition to DR #N-92-0284 for further instructions. EVALUATED BY: C. C. Falerian DATE: 02-05-92 REVIEWED BY: Lang & Tilla Munda DATE: 2/4/92

#### VIJINIA POWER VISUAL EXAMINATION (VT-3) COMPONENT SUPPORTS

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1.	Station: NAPS	Dhit:	System: SI		an dering theorem in particular vehicles
	Drawing: 11715-Works te: Support Design Dra location during VT-3 moment supports	awing must be use examinations of	3. Direct:	Remote:	
4.	Component Inspected:	1-51-R-36	8-51-40	- 153A- QZ	deniñoletan en de demonson
5.	For Spring Bangers: Manufacturer:	la	Nodal Bumber: -/-	Spring Size:	*/_
HEC	ISI Engineering 11	T serves as a st. There are any q	removed unless the ructural restraint uestions.	BUTTONSTP PROPINE !	the weig Contact
6.	Structural degradati cross-section area i	ion of the support is reduced more t	t such that the han 5 percent.		
7.	Deformation or struc springs, clamps, or	stural degradation other support it.	t of fasteners,	<u> </u>	********
8.	Missing, detached, o	r loosened suppor	rt items		
9.	ARC strikes weld epo general corrosion on surfaces.	tter, paint, sco close tolerance	ring, roughress, or rachined or slidin	*/	
0.	Fluid loss beyond sp indication (HYDRAULI	C STUBBERS ONLY)	r lack of fluid	Standards analysis 15	<u> </u>
1.	Improper hot or cold SUPPORTS)	positions (SNUB)	BERS AND SPRING		~
2.	Commente: * HEAVY M. Removed	AND CORRESION PI FROM ACCLOSABLE A	RESENT ON SLADNIG S REAS. REFER TO EVALUAR	URPACE. PRINT HUSBAN TRON FROM ENGINEERIN	G .
3.	ACTUAL SETTING:	r/a RE	QUIRED SETTING ROT_	MA COLD	JA
4.	Record Work Order Nu	mber or DCP Numbe	er if applicable.	Management - Province - Constraint - Discount - Discoun	
5.	Notify ISI Engineeri ./3./92 Date	ng of reportable Notification	10	1 Pm	nannan feirinn an tara dua dur 1979 - Mala Malan, Albert ann
6.	NAME OF EXAMINER (PR	INT) : GARY NO	SEL	EAM DATE 1-29-97	er en en fange anten in sont ranne aver Fre
	SIGNATURE:	- 7.Le	L	evel . IL	Autor Park and a succession
	the second statement of the statement by best of the statement of the stat	and a state of the	And the second	CONTRACTOR AND A DECIDENCE AND A	NAMES OF A DESCRIPTION OF A DESCRIPTIONO



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#### ATTACHMENT 4 VIRGINIA POWER VISUAL EXAMINATION REPORT (VT-3) IWF COMPONENT SUPPORTS

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And in case of the local division of the loc	
1.	Station: Unit: System: SI
2.	Drawing: 11715- PSSK-111B.01 Rev. 1 Remote: Direct:
3.	Component Examined: 1-SI-R-36 8"-SI-40-153A-Q2
4.	For Spring Hangers (if available): Manufacturer: Model Number: N/A Spring Size: N/A
CHE	CKLIST ACCEPT REJECT N/A
5.	Structural degradation of the support such
6.	Deformations or structural degradations of
7.	Missing, detached, or loosened support items.
8.	ARC strikes, weld spatter, paint, scoring
	Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).
10.	Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).
	comments: No mensurable loss of the material noted. Support is operable per attached REA 92-006 dated 02/04/92
	Actual Setting: NA Required Setting: Hot NA
	N/A Cold N/A
13.	Record Work Order or DCP Number if Applicable: 139747 and OR Naz-ord
	Recommended Supplemental Exam: Yes: No: Type: Ula
15.	Notify ISI Engineer of reportable condition. NA Notification received by NA
16.	NAME OF EXAMINER (PRINTY) C. L. Coner EXAM DATE 2-6-92 SIGNATURE:
17.	ANII SIGNATURE: Mat My thin DATE 2/14/92

NORTE ANKA SITE ENGINEERING SERVICES

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STATION REQUEST REA # 92 - 008 STATION ISI REQUEST #
ENGINEERING EVALUATION Class 1, 2, and 3 Component Support Problem Resolution
COMPONENT NO. 1-CH-R-2 LINE NO. 2"-CH-GR-1502-Q1 LOCATION DWG. 11715-WMKS-0111BA REFERENCE DWG
REPORTED PROBLEM:
O Rint and corrosion present on stiding surfaces.
3 Accessible area have been deened
REPORTED BY: C.L. Conner DATE: 1/31/82 ETT. 2065
Is the component support operable in the current condition? Vyes no
Is the component support operable in the current conditions yes
EVALUATION: Since a best effect attempt has been made to remove all
paint and common from stiding surface and no significant base
sectal low has been concred the ramining inaccessible areas
fieta las nes sere repetes, da carenny
are et no concera to support apprehility.
CORRECTIVE ACTION REQUIRED
Teach -up cout all arcesible areas as required, so act cours
Tent-up cont all accessible areas as required. Do not reat diding surfaces see disposition to DR + N92-0288 and
fillas NAS-3000.
EVALUATED BY: C. Q. Falesigh. DATE: 02-06-92
REVIEWED BY: DE Matylusla DATE: 2/6/92
The T & B TT & S & S & get annound the second build and an and the second build and and and and and and and and and an

VIRGINIA POWER VISUAL EXAMINATION (VT-3) COMPONENT SUPPORTS Docket Number: 50-336 Serial Number: 92-366 Attachment 3 Page 26 of 36

1.	Station NAPS	Daie: 1	System: CH	
Not	Drawing: 11715- wmx5- te: Support Design Dr location during VT-3 mponent supports	ewing must be u	3. Direct:	Remote:
٤.	Component Inspected:	1 - CH- R - 2	z"- CH-68.	1502-Q1
5.	For Spring Bangers: Manufacturer:	~/a		a spines a zer «/A
	insulation, the 1	DEULATION MUST	be removed unless the structural restraint	t is buried within the support carries the weigh in compression. Contact
	Structural degradat	ion of the supp is reduced more	ort such that the than 5 percent.	ACCEPT REJECT N/A
*.	Deformation or stru- springs, clamps, or	other support	ion of fasteners, items.	
8.	Missing, detached, o	or loosened sup	port items	~
	general corresion of surfaces.	close toleran	coring, roughness, or ce machined or slidin	g <u>*</u>
10.	Fluid loss beyond s indication (SYDRAUL	Secified limits	or lack of fluid Y)	
11.	Improper hot or cold SUPPORTS)	i positions (SN	UBBERS AND SPRING	
12.	CORDENCE IN PAINT AND C YANT BEEN	ORROSION PRESEN CLARNED. REFER	IT ON SHIDING SURPAC TO ENGINEERING FOR EUR	E, All ACCESSABLE AREAS
13.	ACTUAL SETTING:	~/.	REQUIRED SETTING	~/a cora ~/a
14.	Record Work Order Nu	unber or DCP Nu	mber if applicable.	
15.	Notify ISI Engineer: 1/3//92 Date		le condition. on received by <u>OZ</u>	1P
16.	NAME OF EXAMINER (PE	UNT): GAR		EVEL I
	ANII SIGNATURE:	N		ATE 2/10/92

STATE Review

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#### ATTACHMENT 4 VIRGINIA POWER VISUAL EXAMINATION REPORT (VT-3) IWF COMPONENT SUPPORTS

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1.	Station: NAPS Unit: 1 System: CH
2.	Drawing: 1171 == 111 BA.02 Remote: Direct:
з.	Component Examined: 1-CH-R-2 2"-CH-68-1502-Q1
4.	For Spring Hangers (if available): Manufacturer: NA Spring Size: NA
CHE	CKLIST ACCEPT REJECT N/A
5	Structural degradation of the support such
6	Deformations or structural degradations of
7.	Missing, detached, or loosened support items.
8	ARC strikes, weld spatter, paint, scoring *
9.	Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).
10.	Improper hct or cold positions (SNUBBERS AND SPRING SUPPORTS).
	comments: No meanurable lass of base material noted. Syster + is operable per REA 92-008 (attached) dated 02/06/92.
12.	Actual Setting: N/17 Required Setting: Hot N/19
	Cold
13.	Record Work Order or DCP Number if Applicable: 139744 and DR 142-0288
	Recommended Supplemental Exam: Yes: No: Type:
15.	Notify ISI Engineer of reportable condition. NA Notification received by <u>NA</u>
16.	NAME OF EXAMINER (PRINT): C.L. Conner EXAM DATE 2-7-92 SIGNATURE: LEVEL TIL
17.	ANII SIGNATURE: Mal M. Aur DATE 2/14/92

IMPLEMENTING PROCEDURE	Serial Number: 92-36 Attachment 3 Page 28 of 36	6
STATION REQUEST REA # 92 012 STATION ISI REQUEST #		
ENGINFTRING E Class 1, 2, and 3 Component S		
		-
COMPONENT NO. 1-CH-R-3	LINE NO. 2'- CH-68-150	2 - 6
LOCATION DWG. 11715- WALES-DILLEA Rev.	O REFERENCE DWG 11715-PSSIC-	IIIBA
REPORTED PROBLEM:		
1) Minor paint and corression preser	t on sliding surface.	
( All accessible areas have been a	leanel	
and the second		
REPORTED BY: C. L. Common DI	ATE: 2/4/92 EXT. 2	265
Is the component support operable in the current $D \neq U \neq U$	ent condition? yes no	. 11
EVALUATION: Since a best effort attempt	Mas been wast To Veronte	7 11
paint and corrasion from sliding surfaces	end 110 significant base	met
paint and corresion from stiding surface low has been regarded, the remaining	e inaccesible areas are o	met
low has been reported, the remaining	e inaccesible areas are d	met
low has been regarded, the remaining	end us significant base e inaccesible areas are d	met
Concern & sugart aperability.	e inacesille areas are é	met
Concern & suggest aperability.	e inacesille areas are e	#104 + 40
Concern & suggest aperability.	e inacesille areas are e	# 40
Concern to suggest of perability. CORRECTIVE ACTION REQUIRED TOURL-up cast all accessible areas a diding Surfaces. See disposition	e inacesille areas are e	#104 + 40
Concern & sugart aperability.	e inacesille areas are e	#104 + 40
Concern to support operability. CORRECTIVE ACTION REODIRED TOURLO- UP CAST all accessible areas a diding surfaces. See disposition Follow NAS-3000.	e inacesille areas are e	#104 + 40

VIRGINIA POWER VISUAL EXAMINATION (VT-3) COMPONENT SUPPORTS

Serial Number: 50-338 Serial Number: 92-366 Attachment 3 Page 29 of 36

1. Station: NAPS	Dnit:	Systems		
2. Drawing: 1715-WMKS Note: Support Design Dr on location during VT-3 component supports.	awing must be used	and an inclusion of the state o	Remote:	
4. Component Inspected:	611 69 2-18-92 1-68-R-3	2-CH-	68- 1502-01	
5. For Spring Bangers: Manuførturer:	~/A 8	todel Number: 1/2	and a second	~/a
OI THE COMPONENT	ion of the support	such that the	BUDDEN PARTIAN +h	and the state of the state
<ol> <li>Deformation or stru- springs, clamps, or</li> </ol>	ctural degradation	of fasteners.	<u> </u>	-
8. Missing, detached,	or loosened support	items	<u> </u>	
<ol> <li>ARC strikes weld sp. general corrosion of surfaces.</li> </ol>	atter, paint, scori n close tolerance m	ng, roughness, or achined or sliding		
10. Fluid loss beyond s indication (EYDRAUL	pecified limits or IC SNUBBERS ONLY)	lack of fluid	MANAGEMENT	~
11. Improper hot or cold SUPPORTS)	d positions (SNUBBE	RS AND SPRING		-
12. COMMENTE: M Middle PAIN	T AND CORESION PROSENT ON S	wome subjece. All Accesse	BLE AREAS CLEANED.	
13. ACTUAL SETTING:	-/p REQU	IRED SETTING	e coud ~4	4
14. Record Work Order No	umber or DCP Number	if applicable.		
15. Notify ISI Engineer: 2-/3/9 2_ Date	<pre>ing of reportable c  Notification r</pre>	101	10	
16. NAME OF EXAMINER (F)	MINT): GARY NOE		AN DATE <u>2-1-92</u>	
17. MII SIGNATURE: ///	of m Araca	DA	E 2/18/82	
			white Port	

E Rev

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#### ATTACHMENT 4 VIRGINIA POWER VISUAL EXAMINATION REPORT (VT-3) IWF COMPONENT SUPPORTS

	Set all the set of the
1. Station: NAPS Unit: / System: C	н
2. Drawing: 11715 - PSSIC - 1110A.00 Par. 1 Remote: 11715 - WMKS - 01110A Bev. 0	Direcu:
3. Component Examined: 1-CH-R-3 2"-CH-68-	1502- Q1
4. For Spring Hangers (if available): Manufacturer: N/A Model Number: N/A	spring Size: NA
CHECKLIST ACCEPT	REJECT N/A
5. Structural degradation of the support such	
6. Deformations or structural degradations of	
7. Missing, detached, or loosened Support itoms.	1100-000000000 000000000
8. ARC strikes, weld spatter, paint, scoring roughness, or general corrosion on close tolerance machines is sliding surfaces.	-
9. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).	
10. Esproper hot or cold positions (SNUBBERS AND FORING SUPPORTS).	
11. Comments: No measurable loss of base material no operable per contached REVA 92-012 dated 02/06/	· · ·
12. Actual Setting: N/A Required Setting: Ho	it with
/A Co	and N/A
13. Record Work Order or DC: Number if Applicable: 1397	43 and DR N-92-02
	Type: 1/14
15. Notify ISI Engineer of reports' e condition.	NIA
16. NAME OF EXAMINED (BRINT): C. L. Conner SIGNATURE:	EXAM DATE 2-7-
17. ANII SIGNATURE: Mod my Hang	DATE 2/17/92

NORTE ANNA SITE ENGINEERING SERVICES

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STATION REQUEST REA # 92 - 013 STATION ISI REQUEST #

> ENGINEERING EVALUATION Class 1, 2, and 3 Component Support Problem Resolution

COMPONENT NO. 1-CH-R-6 LINE NO. 2"-CH-68-1502-Q1
LOCATION DWG. 11715-WAKS-0111BA Rev. O REFERENCE DWG 11715-PSSK-111BA.C
REPORTED PROSLEM:
D Minor paint and recrossion present on stilling surface. D All accessible areas here been cleaned.
3 Not proper slide area specing per PSSK 111 BA. DC
REPORTED BY: C. C. Comer DATE: 2/4/92 EXT. 2065
Is the component support operable in the current condition? Vyes no
EVALUATION: Suce a pest effect attempt has been made to remove all paint and
contained from sliding surface and is sugarfront have metal low has been
LI II a concern to unget a president the
Both to and hetter surface of the Tee are sliding surfaces hence the ages
some acceptible for perchility purpore. The appert is for bearing on Kenter of the the the tree of the tee are sliding unfaces there the many of acceptible for perchility purpore. The appert is fort bearing on the top side of the tree.
surfaces. See disposition to DE * NY2-0288 and Follow NAS-3000.
surfaces. See disposition to DE * NY2-0288 and Follow NAS-3000.
No corrective action required for reported 'slide area specing'
EVALUATED BY: C.Q. Filicial DATE: 02-06-92 REVIEWED BY: Lawy & Mitchelluste DATE: 2/6/92

VIRGINIA POWER VISUAL EXAMINATION (VT-3) COMPONENT SUPPORTS Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page 32 of 36

1. STATION: JAPS	Dnit: 1	System: CC
2. Drawing: 11715- Um Note: Support Design S on locatic. during VT- component s .ports	praving must be use	d 3. Direct: A Remote:
4. Component Inspected	1- EC- R- 6	12 - CH-68-1502- Q1
5. For Spring Bangers: Manufacturer:	10	Model Bumber: w/o Spring Size: -/o
OI the component ISI Engineering CHECKLIST 6. Structural degrads	if there are any q	t such that the
7. Deformation or str		n of fasteners,
E. Hissing, decached,	or loosened suppo	r. items
9. ARC strikes weld a general corresion surfaces.	patter, paint, sco on close telerance	ring, roughness, or
10. Fluid Joss beyond Indice on (ETDRAU	specified limits o LIC SNUBBERS ONLY)	r lack of fluid
11. Improper hot or co SUPPORTS)	ld positions (SNUB	BERS AND SPRING
		N PRESENT ON SLIDING SURFACE. AN ACCESSABLE AREAS CLEAN 111BR.OG ING PER. PSSK DWG. 11715-PSSK - MDA.OB- 292
13. ACTUAL SETTING:	and the second	QUIRED SETTING BOT w/A COLD w/A
14. Record Work Ordaz	Number of DCF Numb	er if applicable.
15. Notify ISI Enginee 2-(3/52 Data		condition. received by
16. NAME OF EXAMINER ( SIGNATURE:	PRINT): GARY:	EXAM DATE 2-1-92 LEVEL IT
17. ANII SIGNATURE:	Mut M Aur	DATE 2/18/92
		JULIU POR



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#### ATTACHMENT 4 VIRGINIA POWER VISUAL EXAMINATION REPORT (VT-3) IWF COMPONENT SUPPORTS

?

1.	Station: Unit: / System: CH
2.	Drawing: 11715-PSSIC- 111BA.OG Dev. D Remote: Direct: 11715-WMKS-0111BA Rev. D
3.	Component Examined: 1-CH-72-6 2"-CH-68-1502-GI
4.	For Spring Hangers (if available): Manufacturer: Model Number: N/A Spring Size: NA
CHEC	CKLIST ACCEPT REJECT N/A
5.	Structural degradation of the support such
6.	Deformations or structural degradations of
7.	Missing, detached, or loosened support items.
8.	ARC strikes, weld spatter, paint, scoring
9.	Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).
10.	Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).
11.	Comments: No measurable loss of base material noted. Support is operable per attached 12EPT 92-013 dated 02/06/82
12.	Actual Setting: N/A Required Setting: Hot N/A Cold N/A
13.	Record Work Order or DCP Number if Applicable: 139742 and DR 10-92-0287
	Recommended Supplemental Exam: Yes: No: Type: NA
15.	Notify ISI Engineer of reportable condition. NA Notification received by NA
26.	NAME OF EXAMINER (PRINT): C.L. Conner EXAM DATE 2792 SIGNATURE:
17.	ANII SIGNATURE: Mail M. Aca DATE 2/:4/92

NORTE ANNA SITE ENGINEERING SERVICES

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STATION REQUEST REA # 92 - 014 STATION ISI REQUEST #

ENGINEERING EVALUATION

Class 1, 2, and 3 Component Support Problem Resolution

COMPONENT NO. 1-CH-12-8 LINE NO. 2"-CH-68-1502-Q1
LOCATION DWG. 11715-WMKS-111BA Rev. O REFERENCE DWG 11715-PSS/K-111BA.
REPORTED PROBLEM:
Deliner paint and corrosion present on rliding surface DALL accessible areas cleaned.
3 Notproper slide over pering per 11715-PSSK-111 BA.08
REPORTED BY: C.L. Conner DATE: 2/4/92 EXT. 2065
Is the component support operable in the current condition? Uyes no
EVALUATION: Subce a bust effort attempt has been made to verme all part
his here reported the versioning inaccess ble areas of a no concern to
support operability. Both be and better surface of the Tee are sliding surfaces, hence the gape are acceptible to operability proposes. The support is also hearing of the the switche of the Tee.
CORRECTIVE ACTION REQUIRED
Truck-up all accessible areas as required, or not rout sliding surfaces, se disposition to DK * N92 piece and tollow was-3000. No remetice action
required for reported 'slide area spacing'
EVALUATED BY: C. Q. Parison DATE: 02-06-92 REVIEWED BY: July & Markellusta DATE: 2/6/92

V	IRGINIA	POWE	R
VISUAL	ZXAMIN/	KOITA	(VT-3)
and the second sec	PONENT	contraction of the second second	and the second se

Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page of 36

1.	STATION: NAPS	DELE	System: CC	and an		
Not	Drawing: 11715 - WMKS - e: Support Design Dra location during VT-3 ponent supports	wing must be used	3. Direct:	Remoter	)	
4.	Component Inspected:	CH 6 2-18-92 - ET. R. 8	2"= CH	. 68-1502	- 01	Harver in the flat basic grave
	For Spring Bangers: Manufacturer:	TA I	Hodel Humber:		g Size:	1.
CHECI	E: If the mechanical insulation, the in of the component of ISI Engineering if KLIST Structural degradati cross-section area i	on of the support	such that the	ALL THE PLAN AND ALL THE ALL T	man i an an inches	a set a set and
7.	Deformation or struc springs, clamps, or	tural degradation	of fasteners.	_	******	
8.	Missing, detached, o	r loosened support	c items	~		
9.	ARC strikes weld spe general corrosion du surfaces.	tter, paint, scor: close tolerance :	ing, roughness, or sachined or sliding	, <u> </u>	*	
10.	Fluid loss beyond sp indication (HYDRAUL)	ecified limits or C SNUBBERS ONLY)	lack of fluid		MERICAN	~
11.	Improper hot or cold SUPPORTS)	positions (SNUE3)	ERS AND SPRING	Millio Julio Sectore Sectores	-	~
12.	Comments : * MINOR PAINT NOT PROPER		T ON SUDING SURFICE.			NED.
13.	ACTUAL SETTING:	IN THE OWNER WITH THE PARTY OF	IIRED SETTING	-la (		
14.	Record Work Order Nu	aber or DCP Number	r if applicably.			
15.	Notify ISI Engineeri 2/2/52 Date		received by CZ	P		
	NAME OF EXAMINER (PR	INT): GARY N		evel	and the second	
17.	ANII SIGNATURE:	Par M. Hure	D.	ATE_2/18/5	2	

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Docket Number: 50-338 Serial Number: 92-366 Attachment 3 Page 36 of 36

#### ATTACHMENT 4 VIRGINIA POWER VISUAL EXAMINATION REPORT (VT-3) IWF COMPONENT SUPPORTS

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1.	Station: NAPS Unit: System: C	Н
2.	Drawing: 11715- FSSK-111BA.08 Remote: 11715-WMKS-0111BA Ray.0	Direct:
3.	Component Examined:	68-1502-Q1
<i>k</i> .	For Spring Hangers (if available): Manufacturer: NA Model Number: NA	Spring Size: NA
CHEC	CKLIST ACCEPT	REJECT N/A
5.	. Structural degradation of the support such	-
6.	Deformations or structural degradations of	n naarraanaa ahaa ahaanaa ahaa
7.	Missing, detached, cr loosened support item	WARMAN I WANTS IN THIS IS NOT THE
3.	ARC strikes, weld spatter, paint, scoring roughness, or general corrosion on close tolerance machines or sliding surfaces.	
9.	. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).	-
10.	(SNUBBERS AND SPRING SUPPORTS).	
	operative per attached REA 92.014 dated on 106/9:	U.0
	Actual Setting: N/A Required Setting: Ho	
	alla co	ld NA
13.	Record Work Orde or DCP Number if Applicable: 1397	41 and DR 10-42-028
		Type: NIA
15.	Notify ISI Engineer of reportable condition. NA Notification received by Date	N/14
16.	NAME OF EXAMINED (PRINT): C.L. Conner SIGNATURE:	EXAM DATE 2-7-92 LEVEL TIL
17.	ANII SIGNATURE: Mal M. Ana	DATE 2/14/92