ENCLOSURE

SURRY POWER STATION UNIT 2 ISI INSPECTIONS

NIS - 1 FORM

NIS - 2 FORMS

ENCLOSURE

SURRY UNIT 2

NIS-1 INSERVICE INSPECTION SUMMARY REPORT JUNE 1995

Serial Number: 95-168 Docket Number: 50-281 Page 1 of 127

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

1.	Owner	Virginia Electric & Power Company, 5000 Dominion Blvd., Glen Allen, VA 23060	
	_	(Name and Address of Owner)	
2.	Plant	Surry Power Station, 5570 Hog Island Rd., Surry, Va 23882	
		(Name and Address of Plant)	
3.	Plant Un	it Unit 2 4. Owner Certificate of Authorization (if required) N/A	
5.	Commer	cial Service Date <u>05-01-73</u> 6. National Board Number for Unit <u>N/A</u>	
7	C	onto Inspected	

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Rotterdam	147-1	VA 58224	NA
Steam Generator 2-RC-E-1A	Westinghouse Tampa Division	2971	VA 58226	6817
Steam Generator 2-RC-E-1C	Westinghouse Tampa Division	2973	VA 58228	6819
Reactor Coolant Pump 2-RC-P-1C	Westinghouse	494	NA .	NA
Seal Injection Filter 2-CH-FL-4A	Commercial Filters Corporation	NA	NA	NA
Recirc. Spray Pump 2-RS-P-2A	Byron Jackson	NA	NA	NA
Regenerative Heat Exchanger 2-CH-E-3	Sentry Equipment Corporation	A3-13	VA 59806	399
Regenerative Heat Exchanger 2-CH-E-3	Sentry Equipment Corporation	A3-13	VA 59806	399
Pressurizer 2-RC-E-2	Westinghouse Tampa Division	1071	VA 58225	6816
RHR Heat Exchanger 2-RH-E-1A	Atlas Industrial Manufacturing Company	892	VA 58234	742
RHR Heat Exchanger 2-RH-E-1B	Atlas Industrial Manufacturing Company	893	VA 58235	743
Class 1/2 Piping	Southwest Fabricating Company	NA	NA	NA
Class 1/2 Component Supports	Southwest Fabricating Company	NA	NA	NA .
Reactor Coolant Valve 2-RC-MOV-2592	Anchor-Darling	NA .	- NA	. NA

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

FORM NIS-1 (Back)

8.	Examination Dates05-18-91	to <u>05-04-95</u>
9.	Inspection Period Identification	Third Period (05-01-90 - 05-10-94)
10.	Inspection Interval Identification	Second Interval (05-01-83 - 05-10-94, extended to complete examinations)
11.	Applicable Edition of Section XI _	1980 Addenda Winter 1980
12.	Date/Revision of Inspection Plan _	November 17, 1994 Revision 6
13.	Abstract of Examinations and Tests. for the Inspection Plan.	Include a list of examinations and tests and a statement concerning status of work required Attachment 1, pages 1-8 of abstract of NDE examinations Attachment 1, pages 1-4 of abstract of system pressure tests
14.	Abstract of Results of Examinations	and Tests. Examination Summary , Pages 1-3
15.	Abstract of Corrective Measures.	Attachment 3, Pages 1-2
		Signed Urzginia Electric + Tower Co. By CW Thankmorten
	C	ERTIFICATE OF INSERVICE INSPECTION
	the State or Province of Virginia Hartford, CT 5-1-90 to Owner has performed examinations a with the Inspection Plan and as requ By signing this certificate neither the examinations, tests, and correcti	ommission issued by the National Board of Boiler and Pressure Vessel Inspectors and and employed by Hartford Steam Boiler I & I Co. of have inspected the components described in this Owner's Report during the period 5-10-94, and state that to the best of my knowledge and belief, the and tests and taken corrective measures described in this Owner's Report in accordance fired by the ASME Code, Section XI. the Inspector nor his employer makes any warranty, expressed or implied, concerning we measures described in this Owner's Report. Furthermore, neither the Inspector nor nanner for any personal injury or property damage or a loss of any kind arising from or Commissions VA-543 National Board, State, Province, and Endorsements

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

1.	Owner Virginia Electric & Power Company, 5000 Dominion Blvd., Glen Allen, VA 23060
	(Name and Address of Owner)
2.	Plant Surry Power Station, Hog Island Rd., Surry VA 23883
	(Name and Address of Plant)
3.	Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) NA
5.	Commercial Service Date05-01-73 6. National Board Number for UnitNA
_	a surface and

7.	Components	Inspected
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Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Rotterdam	147-1	VA 58224	NA
Steam Generator 2-RC-E-1A	Westinghouse Tampa Division	2971	VA 58226	6817
Steam Generator 2-RC-E-1C	Westinghouse Tampa Division	2973	VA 58228	6819
Charging Pump 2-CH-P-1A	Byron Jackson Pumps Inc.	NA	NA	NA
Class 1/2 Piping	Southwest Fabricating	NA	NA	NA
Class 1/2 Component Supports	Southwest Fabricating	NA NA	NA .	NA
Letdown Heat Exchanger 2-CH-E-2	Joseph Oat and Sons, Inc	1674-1	VA 59648	309
Regenerative Heat Exchanger 2-CH-E-3	Sentry Equipment Corporation	A3-13	VA 59806	399
Excess Letdown Heat Exchanger	Atlas Industrial Manufacturing Company	852	VA 58229	703
Pressurizer 2-RC-E-2	Westinghouse Tampa Division	1071	VA `58225	6816
RHR Heat Exchanger 2-RH-E-1A	Atlas Industrial Manufacturing Company	892	VA 58234	742
Safety Injection Pump 2-SI-P-1B	Byron Javckson Pumps, Inc. Company	NA	NA	NA
		·		
	4.5			

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

FORM NIS-1 (Back)

8.	Examination Dates	05-04-94	to	03-19-95				
9.	Inspection Period Identi	ification	First Period ((05/10/94 - 0	5/10/97)			
10.	Inspection Interval Iden	tification	Third Interval	(05/10/94 -	05/10/0	4)		
11.	Applicable Edition of S	ection XI	1989	A	ddenda _	None		
12.	Date/Revision of Inspec	ction Plan	November 17, 19	994 Revision	4	<u>.</u>		
13.	Abstract of Examination for the Inspection Plan.		nclude a list of ex Attachment 1, p Attachment 1, p	oages 9-19 o	f abstra	ct of NDE exa	minations	of work required
14.	Abstract of Results of I		and Tests. Examination Sum	nmary, Pages	1 - 3			
15.	Abstract of Corrective	Measures.	Attachment 3, F	Pages 3 - 6				
	tificate of Authorization					_		Theakma In
		CE	ERTIFICATE O	F INSERVI	CE INSI	PECTION		
	I, the undersigned, hold the State or Province of Hartford, CT 5-10-2 Owner has performed ex with the Inspection Plan By signing this certif the examinations, tests, his employer shall be lia connected with this inspection. Inspection Inspect	Virginia 74 to 5 caminations are and as required and corrective and corrective able in any markets.	have inspected -/0-97 and tests and taken red by the ASME the Inspector nor the measures described.	and the compone , and corrective m Code, Section his employer ibed in this Conal injury of Commission	employed ents descri- state that easures do on XI. makes an Owner's R r property	by Hartford sibed in this Ow to the best of escribed in this y warranty, export. Further damage or a least two the best of the	Steam Boiler I ner's Report du my knowledge Owner's Report pressed or impli more, neither the	& I Co. of ring the period and belief, the tin accordance ed, concerning to Inspector nor arising from or

Serial Number: 95-168 Docket Number: 50-281 Page 3 of 127

Examination Summary

Virginia Electric and Power Company Surry Power Station

Unit 1

1995 Refueling Outage 2nd Interval, 3rd Period and 3rd Interval, 1st Period

Introduction

This report covers inservice examinations and tests of Class 1 and Class 2 components, piping and component supports that were conducted at Surry Power Station Unit 2 from August 13, 1993 to May 4, 1995. For Interval 2, Period 3 the examinations were conducted to meet ASME Section XI, 1980 Edition through the Winter 1980 Addenda. For Interval 3, Period 1 the examinations were conducted to meet ASME Section XI, 1989 Edition, of the ASME Boiler and Pressure Vessel Code.

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

Inspections, witnessing and surveillance of the examinations and related activities were conducted by personnel from the Hartford Steam Boiler Inspection and Insurance Company, One State Street, Hartford, Connecticut 06102 (Mr. R. L. Coder), Surry Station Quality Assurance Department and Surry technical staff.

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Limitations

Some of the arrangements and details of the piping systems and components were designed and fabricated before the access and examination requirements of Section XI of the 1980/1989 ASME Code Edition existed. Consequently, some examinations are limited or not practical due to geometric configuration or accessibility. Generally these limitations exist at fitting to fitting joints, such as elbow to tee, elbow to valve, reducer to valve, or where integrally welded attachments, lugs or supports restrict access to some part of the examination area. These limitations sometimes preclude ultrasonic coupling or access for the required scan length or access for surface examination.

Examinations

Examinations were conducted to include as much of the examination zones as practical within existing 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. Where the reduction in coverage was 10% or greater, per Code Case N-460, a subsequent relief request has been provided by separate correspondence and is indicated in this report as a partial "P1".

Results

Second Interval, Third Period

Support 2-CH-H001 on line 2"-CH-397-1502 (Dwg. 11548-WMKS-RC-12Z5) was reported out of specification on Deviation Report S-95-0550 and was repaired on RR# 95-066, see Engineering Transmittal S-95-0143 contained in Attachment 3 to this report. RR# 95-066 is contained in Attachment 2 to this report.

Third Interval, First Period

Support 2-CH-H008 on line 3"-CH-301-1502, (Dwg 11548-WMKS-CH-8) was found to have excessive gap between the baseplate and the wall. The anchor bolts were re-torqued and the gap condition was accepted by evaluation. (see DCP- 93-048, Revision 12 contained in Attachment 3 to this report)

Support 2-RC-H006 on line 3"-RC-315-1502, (Dwg. 11548-WMKS-0125A1) was found to have loose nuts on the intermediate connecting bolts. This discrepancy was corrected on DCP-93-048 contained in Attachment 3 of this report and RR# 94-160 contained in Attachment 2 of this report.

Analytical Evaluation

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

None required or performed.

Evaluation Analyses and Corrective Actions

Evaluation Analyses and /or Corrective Actions of examination results (Visual Examinations):

Second Interval, Third Period

Evaluation/Corrective Actions were performed for support H001 on drawing 11548-WMKS-RC-12Z5 (Deviation S-95-0550, also see RR# 95-066, Attachment 2 to this report). These evaluations and corrective actions are documented in Engineering Transmittal ET NO. S-95-0143, Rev. 0, (see Attachment 3 to this report, also see

"Results" above).

Third Interval, First Period

Evaluation/Corrective Actions were performed for support H008 on drawing 11548-WMKS-CH-8, and support H006 on drawing 11548-WMKS-0125A1. These evaluations and corrective actions are documented in DCP-93-048, Revision 12, see Attachment 3 to this report, and RR# 94-160, see Attachment 2 to this report, also see "Results" above.

Statement of Interval Status

Virginia Electric and Power Company has completed one-hundred (100) percent of the Second Interval examinations and is on schedule with examinations for the Third Interval.

ATTACHMENT 1 SURRY POWER STATION UNIT 2 ISI INSPECTIONS ABSTRACT OF EXAMINATIONS

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Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. _Method	Exam. Date	Remarks
		INTE	RVAL 2.	PERIOD 3	3			
11548-WMKS-0101D1	30"-SHP-102-601	H001-1	2A	, C÷C	C3.40	VT-1	02/20/95	A¹
11548-WMKS-0101D1	30"-SHP-102-601	H001-2	. 2A	C-C	C3.40	VT-1	02/20/95	A¹
11548-WMKS-0102D1	30"~SHP-103-601	H004-1	2 A	C-C	C3.40	VT-1	02/20/95	\mathbb{A}^1
11548-WMKS-0102D1	30"-SHP-103-601	H004-2	2A	C-C	C3.40	VT-1	02/20/95	A^1
11548-WMKS-0122H1	6'-SI-249-1502	2-SI-H019	2A .	F-B	FB123	VT-3	06/08/94	A²
11548-WMKS-RC-11Z3	2'-CH-395-1502	1-12	1A	B-J	B9.40	PT	02/19/95	A³
11548-WMKS-RC-12Z4	2'-CH-308-1503	1-40	1A	B-J	B9.40	PT	02/28/95	\mathbf{A}^3
11548-WMKS-RC-12Z5	2"-CH-397-1502	2-CH-H002	1A	F-B	FB123	VT-3	03/01/95	E1
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H011-A	1A	F-C	FC1234	·VT-3	03/01/95	E1
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H011-B	, r 1A - 1	F-C	FC1234	VT-3	03/01/95	E1
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H013-A	1A	F-C	FC1234	VT-3	03/01/95	. E 1
11548-WMKS-0100D1	30'-SHP-101~601	0-1L (2A	C-F	C5.22	UT/MT	02/23/95	¥
11548-WMKS-0117A1-1	14'-RH-102-602	0-14L	2A	C-F	C5.12	PT	02/27/95	Y
11548-WMKS-0117A1-1	14'-RH-118-602	0-18L	2A	C-F	C5.12	PT	03/06/95	Y , '
.548-WMKS-0117A1-2	10'-RH-105-602	0-02L	2A	C-F	C5.12	PT	03/06/95	Y
11548-WMKS-0117A1-2	12'-RH-112-602	1-43	2A	C-F	C5.11	PT	02/20/95	Y
11548-WMKS-0117B1	10'-RH-116-1502	3-04	1A .	в-Ј	B9.11	PT/UT	02/27/95	Y
11548-WMKS-0117B1	10'-RH-116-1502	3-05	1A	B-J	B9.11	PT/UT	02/27/95	Y
11548-WMKS-0117B1	10'-RH-116-1502	H001-1	1A	B-K-1	B10.10	Surface	02/27/95	Y
11548-WMKS-0117B1	10'-RH-116-1502	H001-2	1A	B-K-1	B10.10	Surface	02/27/95	'Y
11548-WMKS-0117B1	10'-RH-116-1502	H001-3	1A	B-K-1	B10.10	Surface	02/27/95	Y
11548-WMKS-0122A1	12'-SI-247-1502	H006-1	1A	B-K-1	B10.10	Surface	03/07/95	P¹
11548-WMKS-0122A1	12'-SI-247-1502	H006-2	1A :	B-K-1	B10.10	Surface	03/07/95	P¹
11548-WMKS-0122D1	12'-SI-246-1502	H003-1	1A	B-K-1	B10.10	Surface	02/24/95	¥
11548-WMKS-0122D1	12'-SI-246-1502	H003-2	1A	B-K-1	B10.10	Surface	02/24/95	Y
11548-WMKS-0122D1	12'-SI-246-1502	H008-1	1A	B-K-1	B10.10	Surface	02/19/95	Y
11548-WMKS-0122D1	12'-SI-246-1502	H008-2	1 A .	B-K-1	B10.10	Surface	02/19/95	Y
11548-WMKS-0122K1-1	6'-RC-318-1502	1-04	1A	B-J	B9.11	PT/UT	02/12/95	Y
11548-WMKS-0122K1-1	6'-RC-318-1502	1-05	1A	B-J	B9.11	PT/UT	02/12/95	Y
11548-WMKS-0122K1-1	6'-RC-318-1502	1-06	1A	в-Ј	B9.11	PT/UT	02/12/95	Y .
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Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-0122K1-1	6'-RC-318-1502	1-07	1 A	в-Ј	B9.11	PT/UT	02/12/95	Y ·
11548-WMKS-0122K1-1	6'-SI-248-1502	2-05	2A	C-F	C5.21	PT/UT	02/25/95	Y
11548-WMKS-0122K1-1	6'-SI-248-1502	2-06	2A	C-F	C5.21	PT/UT	02/25/95	¥
11548-WMKS-0122K1-1	6'-SI-248-1502	.3-03	2A	C-F	C5.21	PT/UT	02/28/95	Y
11548-WMKS-0122L1	12'-RC-322-1502	1-01BC	1A	B-J	B9.31	UT	02/17/95	¥
11548-WMKS-0122L1	12'-SI-245-1502	2-SI-H008B	1A	F-C	FC1234	VT-3	02/08/95	Y
11548-WMKS-0122L1	12'-SI-245-1502	H007-1	1:A	B-K-1	B10.10	Surface	03/07/95	P¹
11548-WMKS-0122L1	12'-SI-245-1502	H007-2	1A	B-K-1	B10.10	Surface	03/07/95	P1
11548-WMKS-0122L1	12'-SI-245-1502	H007-3	1A .	B-K-1	B10.10	Surface	03/07/95	P¹
11548-WMKS-0123L1	12'-CS-102-153	0-01	2A	C-F	C5.11	UT/PT	02/07/95	Y
11548-WMKS-0123L1	12'-CS-102-153	0-02	2A	C-F	C5.11	UT/PT	02/07/95	Y
11548-WMKS-0123L1	12'-CS-102-153	0-04	2A	C-F	C5.11	PT	02/06/95	Y
11548-WMKS-0123L1	12'-CS-102-153	0-05	2A	C-F	C5.11	PT	02/06/95	Y
11548-WMKS-0123L1	12'-CS-102-153	0-07	2A	C-F	C5.11	UT/PT	05/05/94	Y
11548-WMKS-0123L1	12'-CS-102-153	0-08	2A	C-F	C5.11	UT/PT	05/05/94	Y
1548-WMKS-0123LZ1	12'-CS-101-153	0-04	2A	C-F	C5.11	UT/PT	02/19/95	Y
11548-WMKS-0123LZ1	12'-CS-101-153	0-05	2A	C-F	C5.11	UT/PT	02/19/95	Y
11548-WMKS-0123M1	12'-CS-101-153	0-01	2A	C-F	C5.11	UT/PT	02/07/95	Y
11548-WMRS-0123M1	12'-CS-101-153	0-02	2A	C-F	C5.11	UT/PT	02/07/95	Y
11548-WMKS-0123M1	12'-CS-101-153	0-07	2A	C-F	C5.11	UT/PT	05/18/94	Y
11548-WMKS-0123M1	12'-CS-101-153	0-08	2A	C-F	C5.11	PT	02/06/95	Y
11548-WMKS-0123M1	12'-CS-101-153	0-15L	2A	C-F	C5.12	UT/PT	05/18/94	Y
11548-WMKS-0124A1	4'-RC-334-1502	4-01DM	. 1♠	B-F	B5.20	UT/PT	02/28/95	Y
11548-WMKS-0125A1	4'-RC-314-1502	1-01BC	1 A	B-J	B9.31	PT/UT	02/17/95	Y
11548-WMKS-0125A1	4'-RC-315-1502	2-36DM	1A	B-F	B5.20	UT/PT	02/27/95	¥
11548-WMKS-0127C2	10"-SI-213-153	H012	2A	F-B	FB 123	VT-3	05/04/95	Y
11548-WMKS-0125A1	1 1/2'-RC-405-1502	3-04	1 A	B-J	B9.40	PT	02/14/95	Y
11548-WMKS-0125A1	1 1/2'-RC-405-1502	3-05	1 A	B-J	B9.40	PT	02/14/95	Y
11548-WMKS-0127F1	10'-SI-206-153	0-02	2A	C-F	C5.11	PT	02/09/95	Y
11548-WMKS-0127F1	10'-SI-206-153	0-03	2A	C-F	C5.11	PT	02/09/95	Y
11548-WMKS-0127F1	10'-SI-206-153	0-04	2 A	C-F	C5.11	PT	02/09/95	Y
		and the same of the same						•

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Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-0127F1	10'-SI-206-153	0~05	2A	C-F	C5.11	PT	02/09/95	Y
11548-WMKS-0127F1	10'-SI-206-153	0-06	2A	C-F	C5.11	PT	02/09/95	Y
11548-WMKS-0127F1	10'-SI-206-153	0-07	2A	C-F	C5.11	PT	02/09/95	Y
11548-WMKS-0127F1	10'-SI-206-153	0-08	2A	C-F	C5.11	PT	02/09/95	Y
11548-WMKS-0127F1	10'-SI-206-153	0-13	2A	C-F	C5.11	PT	02/08/95	Y
11548-WMKS-0127F1	10'-SI-206-153	2-SI-H-C38	2 A	F-A	FA123	VT-3	05/10/94	Y
11548-WMKS-0127F1	10'-SI-206-153	2-SI-H-C39	2A	F-A	FA123	VT-3	02/19/95	Y
11548-WMKS-0127F1	10'-SI-206-153	2-SI-H-C40	2A	F-A	FA123	VT-3	05/10/94	Y
11548-WMKS-0127F1	10'-SI-206-153	2-SI-H-C40A	2A	F-C	FC1234	VT-3	02/23/95	Y
11548-WMKS-0127F1	10'-SI-206-153	2-SI-H-C41A	2A	F-B	FB123	VT -3	05/10/94	Y
11548-WMKS-0127G1	8'-CH-317-152	0-22L	2A	C-F	C5.12	RT	02/19/95	Y
11548-WMKS-0127G1	8'-CH-317-152	0-24L	2A	C-F	C5.12	RT	02/19/95	Y
11548-WMKS-0127G1	8'-CH-317-152	0-31	2A	C-F	C5.11	RT/PT	02/19/95	Y
11548-WMKS-0127G1	8'-CH-317-152	1-AZ	2A	C-F	C5.11	RT/PT	02/19/95	Y
11548-WMKS-0127G1	8'-CH-317-152	1-BC	2A	C-F	C5.11	RT/PT	02/19/95	Y
1548-WMKS-0127G1	8'-SI-292-153	1-P	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G1	8'-SI-292-153	1-Q	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-170-153	0-01	2A _.	C-F	C5.11	PT	02/18/95	Y
11548-WMRS-0127G2	8'-SI-170-153	0-02	2A ·	C-F	C5.11	PT	02/18/95	Y .
11548-WMKS-0127G2	8'-SI-172-153	0-06	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-172-153	0-07	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-170-153	0-13	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-170-153	0-14	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-207-152	0-15	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-302-152	0-18	· 2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-207-152	0-19 .	2A	C-F	C5.11	PT	02/18/95	Y .
11548-WMKS-0127G2	10'-SI-206-153	0-25	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	10'-SI-206-153	0-26	2A	C-F	C5.11	PT	02/19/95	Y
11548-WMKS-0127G2	10'-SI-206-153	0-27	2A	C-F	C5.11	PT	02/18/95	¥
11548-WMKS-0127G2	10'-SI-206-153	0-28	2A	C-F	C5.11	PT	02/18/95	¥
11548-WMKS-0127G2	10'-SI-206-153	0-30	2A	C-F	C5.11	PT	02/18/95	· Y

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Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-0127G2	8'-CH-505-152	1-CB	2A	C-F	C5.11	PT/RT	02/18/95	Y
11548-WMKS-0127G2	8'-CH-505-152	1-CC	2A	C-F	C5.11	RT/PT	02/19/95	Y .
11548-WMKS-0127G2	8'-SI-170-153	2-SI-H025	2A	F-C	FC1234	VT-3	05/04/94	. Y 'v
11548-WMKS-0127G2	8'-SI-170-153	2-SI-H025A	2A	F-B	FB123	VT-3	05/04/94	Y
11548-WMKS-0127G2	8'-SI-170-153	2-SI-H026	2A	F-A	FA123	VT-3	05/04/94	Y
11548-WMKS-0127G2	8'-SI-170-153	2-SI-H027	2A	F-C	FC1234	VT-3	05/04/94	Y
11548-WMKS-0127G2	8'-SI-207-152	2-SI-H030	2A	F-A	FA123	VT-3	05/04/94	Y
11548-WMKS-0127G2	10'-SI-206-153	2-SI-H031	2A	F-B	FB123	VT-3	05/04/94	Y
11548-WMKS-0127G2	10'-SI-206-153	2-SI-H032	2A	F-A	FA123	VT-3	05/04/94	Y
11548-WMKS-0127G2	10'-SI-206-153	2-SI-H033	2A	F-B	FB123	VT-3	05/04/94	¥
11548-WMKS-0127G2	10'-SI-206-153	2-SI-H034	2A	F-A	FA123	VT-3	05/04/94	Y
11548-WMKS-0127G2	10'-SI-206-153	2-SI-H035	2A	F-B	FB123	VT-3	05/04/94	Y
11548-WMKS-0127G2	10'-SI-206-153	2-SI-H036A	2A	F-A	FA123	V1 -3	05/04/94	Y
11548-WMKS-0127G2	10°-SI-206-153	2-SI-H037	2Å	F-A	FA123	VT-3	05/04/94	Y
11548-WMKS-0127G2	8'-SI-302-152	2-SI-H047	2A	F-C	FC1234	VT-3	05/04/94	Y
1548-WMKS-0127G2	8'-SI-170-153	2-SI-H058	2A	F-A	FA123	VT-3	05/04/94	Y
11548-WMKS-0127G2	10'-SI-206-153	H037-1	2A	· c-c	C3.40	Surface	02/19/95	Y
11548-WMKS-0127J2	6'-SI-344-1502	1-05	1Å	B-J	B9.11	PT/UT	02/12/95	Y
11548-WMKS-0127J2	6'-SI-344-1502	1-06	1A	B-J	B9.11	PT/UT	02/12/95	Y
11548-WMKS-0127J2	6'-SI-344-1502	1-07	1Ä	B-J	B9.11	PT/UT	02/12/95	Y
11548-WMKS-CH-9	3'-CH-379-1503	1-59	1Å	B-J	B9.21	PT	02/22/95	Y
11548-WMKS-CH-9	3'-CH-379-1503	1-60	1Å	B-J	B9.21	PT	02/22/95	Y
11548-WMKS-CH-9	3'-CH-379-1503	1-89	. 1A	B-J	B9.21	PT	02/27/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	1-04	1A	r B−B	B2.51	UT	02/22/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	1-06	1A	B-D	B3.150	PT	02/22/95	Y '
11548-WMKS-CH-E-3	2-CH-E-3	1-08	1 A	в-р	B3.150	PT	02/22/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	1-09	1A	B-D	B3.150	PT	02/22/95	Y .
11548-WMKS-CH-E-3	2-CH-E-3	1-11	1A	в-р	B3.150	PT	02/22/95	P1
11548-WMKS-CH-E-3	2-CH-E-3	1-13	1A	B~D	B3.150	PT	02/22/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	1-15	1A	B-D	B3.150	PT	02/22/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	2-CH-NIR-06	1A	B-D	B3.160	VT-2	03/19/95	Y

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Drawing Number	Line No	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-CH-E-3	2-CH-E-3	2-CH-NIR-08	1A	B-D	B3.160	VT-2	03/19/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	2-CH-NIR-09	1A	B-D	B3.160	VT-2	03/19/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	2-CH-NIR-11	1A	B-D	B3.160	VT-2	03/19/95	¥
11548-WMKS-CH-E-3	2-CH-E-3	2-CH-NIR-13	1A	B-D	B3.160	V T-2	03/19/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	2-CH-NIR-15	1A	B-D	B3.160	VT-2	03/19/95	Y
11548-WMKS-CH-FL-4A	2-CH-FL-4A	1-01	2A	C-A	C1.20	UT	02/23/95	P¹
11548-WMKS-RC-10-1	31'-RC-308-2501R	1-09	1A	B-J	B9.11	UT/PT	02/17/95	\mathbf{P}^{1}
11548-WMKS-RC-10-1	27 1/2'-RC-309-2501R	1-17DM	14	B-F	B5.10	UT Auto	03/02/95	Y
11548-WMKS-RC-10-1	31'-RC-308-2501R	1-18	1A .	B-J	B9.12	UT/PT	02/17/95	Y
11548-WMKS-RC-10-1	31'-RC-308-2501R	1-19	1A	B-J	B9.12	UT/PT	02/17/95	Y '
11548-WMKS-RC-10-1	31'-RC-308-2501R	1-20	1A	B-J	B9.12	UT/PT	02/17/95	Y
11548-WMKS-RC-10-1	31'-RC-308-2501R	1-21	1A	B-J	B9.12	UT/PT	02/17/95	Y .
11548-WMKS-RC-10Z1	2'-RC-359-1502	2-RC-H002	1A	F-C	FC1234	V T-3	02/13/95	Y
11548-WMKS-RC-10Z3	2'-RC-500-1502	2-RC-H001	1A	F-C	FC1234	VT-3	02/13/95	Y .
11548-WMKS-RC-10Z4	2'-CH-393-1502	2-CH-H001	1 A	F-C	FC1234	VT-3	02/08/95	Y
1548-WMKS-RC-11-1	27 1/2'-RC-306-2501R	1-17DM	1A	B-F	B5.10	UT Auto	03/02/95	Y
11548-WMKS-RC-11-1	31'-RC-305-2501R	1-18	1A	B-J	B9.12	UT/PT	02/10/95	Y .
11548-WMKS-RC-11-1	31'-RC-305-2501R	1-19	1A	B-J	B9.12	UT/PT	02/10/95	Y
11548-WMKS-RC-11Z2	2'-CH-309-1503	1-08	1 <u>A</u>	B-J	B9.40	PT	02/08/95	Y
11548-WMKS-RC-11Z2	2'-RC-499-1502	2-RC-H001	1A	F-C	FC1234	VT-3	02/13/95	Y
11548-WMKS-RC-11Z3	2'-CH-395-1502	1-22	1A	B-J	B9.40	PT	02/27/95	¥
11548-WMKS-RC-11Z3	.2'-CH-395-1502	2-CH-H001	1A	F-C	FC1234	VT-3	. 02/08/95	Y
11548-WMKS-RC-12-1	31'-RC-302-2501R	1-06DM	1A	.B-F	B5.30	UT/PT	02/28/95	P1
11548-WMKS-RC-12-1	31'-RC-302-2501R	1-09	1A	В-Ј	B9.11	UT/PT	02/20/95	Y
11548-WMKS-RC-12-1	27 1/2'-RC-303-2501R	1-17DM	1A ·	B-F	B5.10	UT Auto	03/02/95	Y
11548-WMKS-RC-12-1	31'-RC-302-2501R	1-18	1A	B-J	B9.12	UT/PT	02/20/95	Y
11548-WMKS-RC-12-1	31'-RC-302-2501R	1-19	1A ⁻	B-J	B9.12	UT/PT	02/20/95	Y
11548-WMKS-RC-12Z1	2'-RC-355-1502	2-RC-H003	1A	F-C	FC1234	VT-3	02/13/95	Y
11548-WMKS-RC-12Z2	2'-RC-498-1502	2-RC-H001	1A	F-C	FC1234	VT-3	02/15/95	Y
11548-WMKS-RC-12Z5	2'-CH-397-1502	2-CH-H001	1A	F-C	FC1234	VT-3	02/20/95	Y
11548-WMKS-RC-1B	1-"-RC-441-1502	1-28A	1A .	B-J	B9.40	PT	02/15/95	Y .
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Drawing	Line	Mark	Sect. XI	Sect. XI		Exam.	Exam.	
Number	No.	No.	Class	Category	Item No.	Method	Date	Remarks
11548-WMKS-RC-7	8'-RC-312-2501R	1-07.	1A	B-J	B9.11	PT/UT	02/25/95	: Y
11548-WMKS-RC-7	8'-RC-312-2501R	1-08	1A	в-ј	B9.11	PT/UT	02/25/95	Y
11548-WMKS-RC-E-002	2-RC-E-2	1-02	1A	В-В	B2.12	UT	02/14/95	P¹
11548-WMKS-RC-E-002	2-RC-E-2	1-07	1A	в-в	B2.11	UT	02/14/95	P¹ ·
11548-WMKS-RC-E-1A.1	2-RC-E-1A	2-03	2A	C-A	C1.10	UT	02/10/95	Y
11548-WMKS-RC-E-1A,1	2-RC-E-1A	2-05	2A	C-A	C1.10	UT	02/17/95	Y
11548-WMKS-RC-E-1A.1	2-RC-E-1A	. 2-08	- 2A	C-A	C1.20	UT	02/25/95	Y
11548-WMKS-RC-E-1C.2	2-RC-E-1C	2-09	2A	С-в	C2.21	MT/UT	02/25/95	Y
11548-WMKS-RC-E-1C.2	2-RC-E-1C	2-10	2A .	C-B	C2.21	MT/UT	02/22/95	Y
11548-WMKS-RC-MOV2592	2-RC-MOV-2592	NUT-1-24	1A	B-G-1	B6.230	VT-1	02/06/95	Y
11548-WMKS-RC-MOV2592	2-RC-MOV-2592	STUD-1-24	1A	B-G-1	B6.210	UT	02/09/95	. Y
11548-WMKS-RC-MOV2593	2-RC-MOV-2593	NUT-1-24	1A	B-G-1	B6.230	VT-1	02/06/95	Y
11548-WMKS-RC-MOV2593	2-RC-MOV-2593	STUD-1-24	1Å	B-G-1	B6.210	UT	02/09/95	Y '
11548-WMKS-RC-P-1C.1	2-RC-P-1C	1-01	1A	B-L-1	B12.10	Visual	02/24/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	1-01	1A .	B-A	B1.30	UT Auto	03/02/95	, Y
1548-WMKS-RC-R-1.1	2-RC-R-1	1-02	1A	B-A	B1.11	UT Auto	03/02/95	¥
11548-WMKS-RC-R-1.1	2-RC-R-1	1-05	. 1A	B-A	B1.21	UT Auto	03/02/95	¥
11548-WMKS-RC-R-1.1	2-RC-R-1	1-07	1A	B-A	B1.12	UT Auto	03/02/95	Y .
11548-WMKS-RC-R-1.1	2-RC-R-1	2-11	1A	B-D	B3.90	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-13	1A	B-D	B3.90	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-15	1A	B-D	B3.90	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-11NIR	1A	B-D	B3.100	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-13NIR	14	B - D	B3.100	UT Auto	03/02/95	¥
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-15NIR	1A 3."	: B-D	B3.100	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-CSS	1 A	B-N-3	B13.30	VT-3	02/26/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-PAD-1	1A	F-A	FA123	VT-3	03/07/95 ·	Y .
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-PAD-2	1 A	F-A	FA123	VT-3	03/07/95	Y .
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-PAD-3	1A)	F-A	FA123	VT-3	03/07/95	· y ,
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-PAD-4	1A	F-A	FA123	VT-3	03/07/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-PAD-5	1A	F-A	FA123	VT-3	03/07/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-PAD-6	1A	F-A	FA123	VT-3	03/07/95	Y

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Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-RC-R-1.2	2-RC-R-1	CRD-46	1A	в-о	B14.10	PT or UT	02/23/95	Y
11548-WMKS-RC-R-1.2	2-RC-R-1	CRD-58	1A	B-O	B14.10	PT or UT	02/23/95	Y
11548-WMKS-RC-R-1.2	2-RC-R-1	CRD-62	1A	B-O	B14.10	PT or UT	02/23/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-04	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-05	1A	B-G-1	B6.40	UT Auto	03/05/95	¥
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-06	1A	B-G-1	. B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-07	1A '	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-19	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-20	1A .	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-21	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-30	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-31	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-32	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-33	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-34	1A	B-G-1	B6.40	UT Auto	03/05/95	Y .
1548-WMKS-RC-R-1.3	2-RC-R-1	TIF-35	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-36	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-37	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-38	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-39	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-40	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-41	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-42	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-43	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-44	1 A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-45	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-46	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-47	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-48	1 A	B-G-1	B6.40	UT Auto	03/05/95	Υ .
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-49	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-50	1 A	B-G-1	B6.40	UT Auto	03/05/95	Y

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Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-51	1A	B-G-1	B6.40	UT Auto	03/05/95	Ÿ
11548-WMKS-RS-P-2A	2-RS-P-2A	2-05	2C	C-G	C6.10	Surface	02/20/95	P ¹
11548-WMKS-SI-1	12'-SI-201-153	0-06	2A	C-F	C5.11	PT	03/01/95	Y
11548-WMKS-SI-1	12'-SI-202-153	0-16	2A	C-F	C5.11	PT	03/01/95	Y
11548-WMKS-SI-19	2'-SI-280-1502	1-01BC	1A	B-J	B9.32	PT	02/16/95	Y
11548-WMKS-SI-19	2'-SI-280-1502	1-08	1A	B-J	B9.40	PT	02/16/95	Y
11548-WMKS-SI-37	16'-SI-205-153	0-01	2A	C-F	C5.11	PT	02/17/95	Y
11548-WMKS-SI-4	12'-SI-205-153	0-15	2A	C-F	C5.11	PT	06/15/94	Y
11548-WMKS-SI-4	12'-SI-205-153	2-SI-H001A	2A .	F-C	FC1234	V T-3	06/14/94	Y
11548-WMKS-SI-4	12'-SI-205-153	2-SI-H001B	2A	ÌF−C	FC1234	VT-3	06/14/94	Y
11548-WMKS-SI-4	12'-SI-205-153	2-SI-HSS-104B	2A	TS3.2	TS4.17	VT-3	06/14/94	· Y
11548-WMKS-SI-5	12'-SI-205-153	0-20	-2A	C-F	C5.11	PT	06/15/94	Y .
11548-WMKS-SI-5	12'-SI-205-153	2-SI-H001A	2A	F-C	FC1234	VT-3	06/14/94	Y
11548-WMKS-SI-5	12'-SI-205-153	2-SI-H001B	2A .	F-C	FC1234	VT-3	06/14/94	Y .
11548-WMKS-SI-5	10'-SI-363-153	2-SI-H006	2A	F-B	FB123	VT-3	02/28/95	Y
1548-WMKS-SI-5	12'-SI-205-153	2-SI-HSS-104B	2A	F-C	FC1234	VT-3	06/14/94	Y
11548-WMKS-SI-6	12'-SI-205-153	0-01	2A	C-F	C5.11	PT	06/15/94	Y
11548-WMKS-SI-6	12'-SI-205-153	0-02	2A	C-F	C5.11	PT	06/15/94	Y
11548-WMKS-SI-6	12'-SI-205-153	0-03	2A	C-F	C5.11	PT .	06/15/94	. Y
11548-WMKS-SI-6	12'-SI-205-153	0-04	2A .	C-F	C5.11	PT	06/15/94	Y
11548-WMKS-SI-6	12'-SI-205-153	0-05	2A	C-F	C5.11	PT ,	06/15/94	, Y
11548-WMKS-SI-6	12'-SI-205-153	0-06	2A	C-F	C5.11	PT	06/15/94	Y
11548-WMKS-SI-6	12'-SI-205-153	0-07	2A	C-F	C5.11	PT	01/30/95	Y .
11548-WMKS-SI-6	12'-SI-205-153	0-15	2A	C-F	C5.11	PT	06/15/94	Y
11548-WMKS-SI-6	12'-SI-205-153	2-SI-H1	2 A	F-B	FB123	VT-3	06/14/94	Y
11548-WMKS-SI-6	12'-SI-205-153	2-SI-H2	2A	F-C	FC1234	VT-3	06/14/94	Y
11548-WMKS-SI-6	12'-SI-205-153	2-SI-H3	2A	F-A	FA123	VT-3	06/14/94	Y
11548-WMKS-SI-6	12'-SI-205-153	2-SI-H4	2A	F-B	FB123	VT-3	06/14/94	Y
11548-WMKS-SI-6	12'-SI-205-153	2-SI-H5	2A	F-C	FC1234	VT-3	06/14/94	Y
11548-WMKS-SI-6	12'-SI-205-153	2-SI-H6	2A	F-A	FA123	VT-3	06/14/94	¥
11548-WMKS-SI-6	12'-SI-205-153	2-SI-HSS-103	2A	F-C	FC1234	V T-3	06/14/94	Y
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Drawing Number	Line No.	Mark No	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks			
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11548-WMKS-0101G1	14"-WFPD-113-601	2-WFPD-H001A	2A	F-A	F1.20	VT-3	06/08/94	A			
11548-WMKS-0117A1-1	14"-RH-101-1502	2-RH-HSS-019	1A	TS3.2	TS4.17	VT-3	06/08/94	A			
11548-WMKS-0117A1-1	14"-RH-101-1502	2-RH-HSS-020	1A	TS3.2	TS4.17	VT-3	06/08/94	A			
11548-WMKS-0117B1	10"-RH-117-1502	2-RH-H009A	1A	F-A	F1.10	VT-3	06/08/94	. A			
11548-WMKS-0117B1	10"-RH-117-1502	2-RH-H009B	1A	F-A	F1.10	VT-3	06/08/94	A			
11548-WMKS-0125A1	4"-RC-314-1502	2-RC-H009	1A	F-A	F1.10	V T-3	02/28/95	A			
11548-WMKS-0125A1	4"-RC-315-1502	2-RC-H010	1A	F-A	F1.10	VT-3	06/08/94	A			
11548-WMKS-0125A1	4"-RC-315-1502	2-RC-HSS-107	1 A	TS3.2	TS4.17	V T-3	06/08/94	A			
11548-WMKS-CH-E-3	2-CH-E-3	2-CH-H003	1A	F-A	F1.40	V T-3	02/22/95	A			
11548-WMKS-RC-9	12"-RC-310-2501R	2-RC-H002A	1A	F-A	F1.10	VT-3	06/08/94	A			
11548-WMKS-RC-9	12"-RC-310-2501R	2-RC-H002B	1A	F-A	F1.10	VT-3	06/08/94	A			
11548-WMKS-SI-1	12"-SI-201-153	2-SI-H001	2A	F-A	F1.20	VT-3	03/08/95	À			
11548-WMKS-SI-1	12"-81-202-153	2-SI-H001B	2A	F-A	F1.20	V T-3	02/28/95	A			
11548-WMKS-SI-1	12"-SI-202-153	2-SI-H002	2A	F-A	F1.20	VT-3	03/08/95	A			
1548-WMKS-0122K1-2	2"-SI-281-1502	2-SI-H012	1A	F-A	F1.10	VT-3	06/20/94	E ²			
11548-WMKS-0125A1	4"-RC-314-1502	2-RC-H031	1A	F-A	F1.10	VT-3	06/09/94	E3			
11548-WMKS-0125A1	4"-RC-315-1502	2-RC-H032	1A	F-A	F1.10	VT-3	06/09/94	E3			
11548-WMKS-0127J2	6"-SI-344-1502	2-SI-H006	2A	F-A	F1.20	VT-3	06/09/94	E3			
11548-WMKS-0127J3	6"-SI-353-1502	2-SI-H006	2A	F-A	F1.20	VT-3	06/09/94	E 3 .			
11548-WMKS-0127J4	6"-SI-353-1502	2-SI-H004	2A	F-A	F1.20	VT-3	06/20/94	E²			
11548-WMKS-0127J5	6"-SI-345-1502	2-SI-H004	2A	F-A	F1.20	VT-3	06/09/94	E³			
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H008	1A	F-A	F1.10	VT-3	06/20/94	E²			
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H009	: 1A	F-A	F1.10	VT-3	06/20/94	E²			
11548-WMKS-RC-12Z4	2"-CH-308-1503	2-CH-H029	1A	F-A	F1.10	VT-3	06/20/94	E²			
11548-WMKS-RC-12Z4	2"-CH-308-1503	2-СН-Н030	1A	F-A	F1.10	V T-3	06/20/94	E²			
11548-WMKS-SI-5	10"-SI-363-153	2-SI-H003	2F	F-A	F1.20	VT-3	06/20/94	E²			
11548-WMKS-SI-5	10"-SI-363-153	2-SI-H004	2F	F-A	F1.20	VT-3	06/20/94	E²			
11548-WMKS-0103A2-1	30"-SHP-101-601	1-42L	ŻĀ	C-F-2	C5.52	MT	02/13/95	P²			
11548-WMKS-0122L1	12"-RC-322-1502	1-05	1A	B-J	B9.11	PT	02/15/95	P²			
11548-WMKS-SI-2	3"-SI-270-1503	1-12	2A	C-F-1	C5.21	PT	02/28/95	P²			
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	Drawing Number	Line No	Mark No	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
	11548-WMKS-0100D1	30"-SHP-101-601	1-01	2A	C-F-2	C5.51	UT/MT	02/22/95	Y
	11548-WMKS-0100D1	30"-SHP-101-601	1-02	2A	C-F-2	C5.51	UT/MT	02/22/95	Y
	11548-WMKS-0100D1	30"-SHP-101-601	2-SHP-H001B	2A	F-A	F1.20	VT-3	06/08/94	Y
	11548-WMKS-0100D1	30"-SHP-101-601	2-SHP-HSS-008	2A	TS3.2	TS4.17	VT-3	06/08/94	Y
	11548-WMKS-0102G1	14"-WFPD-109-601	1-02	2A	C-F-2	C5.51	UT/MT	02/16/95	Y
	11548-WMKS-0102G1	14"-WFPD-109-601	2-WFPD-H005	2A	F-A	F1.20	VT-3	06/08/94	Y
	11548-WMKS-0102G1	14"-WFPD-109-601	2-WFPD-HSS-009	2A	TS3.2	TS4.17	VT-3	06/08/94	Y
	11548-WMKS-0103A2-1	30"-SHP-122-601	1-16BC	2A	C-F-2	C5.81	UT/MT	02/17/95	Y .
	11548-WMKS-0103A2-1	4"-SHP-137-601	2-SHP-H077	2A ,	F-A	F1.40	VT-3	06/06/94	Y .
	11548-WMKS-0103A2-2	4"-SHP-138-601	2-SHP-H076	2A	F-A	F1.40	VT-3	06/06/94	Y
-	11548-WMKS-0103A2-3	4"-SHP-139-601	2-SHP-H075	2A ,	F-A	F1.40	VT-3	06/06/94	Y
	11548-WMKS-0117A1-1	14"-RH-118-602	2-RH-H023	2A	F-A	F1.40	VT-3	06/08/94	Y
	11548-WMKS-0117A1-1	14"-RH-101-1502	2-RH-HSS-017	ÍA	TS3.2	TS4.17	VT-3	06/08/94	Y
	11548-WMKS-0117A1-1	14"-RH-101-1502	2-RH-MOV-2701	1A	B-G-2	B7.70	VT-1	02/06/95	Y
	11548-WMKS-0117A1-2	12"-RH-112-602	0-05L	2A	C-F-1	C5.12	UT/PT	02/22/95	¥
	1548-WMKS-0117A1-2	12"-RH-112-602	1-20	2A	C-F-1	C5.11	UT/PT	02/22/95	¥
	11548-WMKS-0117A1-2	12"-RH-106-602	1-21	2A	C-F-1	C5.11	UT/PT	02/22/95	Y
	11548-WMKS-0117A1-2	12"-RH-112-602	1-42	2A	C-F-1	C5.11	UT/PT	02/22/95	Y
	11548-WMKS-0117A1-2	10"-RH-105-602	2-RH-H028A	2F	F-A	F1.20	VT-3	06/08/94	Y
	11548-WMKS-0117A1-2	12"-RH-112-602	2-RH-H034	2A	F-A	F1.20	VT-3	06/08/94	Y
	11548-WMKS-0117A1-3	12"-RH-112-602	2-RH-H034A	2A	F-A	F1.40	VT-3	06/08/94	Y
	11548-WMKS-0117B1	10"-RH-117-1502	1-08	1A	в-ј	B9.11	UT/PT	02/27/95	Y
	11548-WMKS-0117B1	10"-RH-116-1502	2-RH-H002	2A	F-A	F1.20	VT-3	06/08/94	Y
	11548-WMKS-0118A1	6"-WAPD-101-601	0-01,	2A	C-F-2	C5.51	UT/MT	03/01/95	' Y
	11548-WMKS-0118A1	6"-WAPD-101-601	2-WAPD-H002	2A	F-A	F1.20	VT-3	06/08/94	Y
	11548-WMKS-0122A1	12"-RC-324-1502	1-09	1A	B-J	B9.11	UT/PT	02/17/95	, Y
	11548-WMKS-0122A1	12"-SI-247-1502	1-10 .	1'A	B-J	B9.11	UT/PT	02/17/95	Y
	11548-WMKS-0122A1	12"-SI-247-1502	1-11	1A	B-J	B9.11	UT/PT	02/17/95	Y
	11548-WMKS-0122A1	12"-SI-247-1502	1-12	1A	B-J	B9.11	UT/PT	02/17/95	¥
	11548-WMKS-0122A1	12"-SI-247-1502	2-SI-H003B	1A	· F '-A	F1.10	VT-3	06/08/94	Y
	11548-WMKS-0122A1	12"-SI-247-1502	2-SI-H006	1A	F-A	F1.10	VT-3	06/08/94	Y
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Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-0122A1	12"-RC-324-1502	2-SI-H008A	1A	F-A	F1.10	V T-3	06/08/94	Y
11548-WMKS-0122A1	12"-RC-324-1502	2-SI-H008B	1A	F-A	F1.10	V T-3	06/08/94	Y
11548-WMKS-0122A1	12"-SI-247-1502	2-SI-HSS-019A	1A	TS3.2	TS4.17	VT-3	06/08/94	Y
11548-WMKS-0122A1	12"-SI-247-1502	2-SI-HSS-019B	1 A	TS3.2	TS4.17	VT-3	06/08/94	Y
11548-WMKS-0122D1	12"-RC-323-1502	1-01BC	1A	B -J	B9.31	UT/PT	02/20/95	Y
11548-WMKS-0122D1	12"-RC-323-1502	1-08	1A	в-Ј	B9.11	UT/PT	02/09/95	Y
11548-WMKS-0122D1	12"-SI-246-1502	1-11	1A	B-j	B9.11	UT/PT	02/09/95	Y ·
11548-WMKS-0122D1	10"-RH-116-1502	2-RH-47	1A	B-G-2	B7.70	VT-1	02/07/95	¥
11548-WMKS-0122D1	12"-SI-246-1502	2-SI-H008	1A	F-A	F1.10	VT-3	06/08/94	. Y
11548-WMKS-0122H1	6"-RC-316-1502	1-05	1A	B-J.	B9.11	UT/PT	02/17/95	Y
11548-WMKS-0122H1	6"-RC-316-1502	1-07	1A .	B-J	B9.11	UT/PT	02/17/95	Y
11548-WMKS-0122H1	6"-RC-316-1502	2-SI-239	1A	B-G-2	B7.70	VT-1	02/06/95	¥
11548-WMKS-0122J1	6"-RC-321-1502	1-07	1A	B-J	B9.11	UT/PT	02/15/95	Y
11548-WMKS-0122J1	6"-RC-321-1502	1-08	1A	B-J	B9.11	UT/PT	02/15/95	¥
11548-WMKS-0122K1-1	6"-RC-318-1502	1-08	1A	B-J	B9.11	UT/PT	02/15/95	Y
1548-WMKS-0122K1-1	6"-SI-248-1502	2-30	2 A	C-F-1	C5.11	UT/PT	02/25/95	Y .
11548-WMKS-0122K1-1	6"-SI-248-1502	3-01	2A	C-F-1	C5.11	UT/PT	02/25/95	Y
11548-WMKS-0123J1	8"-CS-134-153	2-CS-H002	2 F	F-A	F1.40	VT-3	06/14/94	Y
11548-WMKS-0123J1	8"-CS-134-153	2-CS-H003	2F	F-A	F1.40	VT-3	06/14/94	Y
11548-WMKS-0123K1	8"-CS-133-153	2-CS-H001	2F	F-A	F1.40	VT-3	06/14/94	Y
11548-WMKS-0123K1	8"-CS-133-153	2-CS-H003	2F	F-A	F1.20	VT-3	06/14/94	Y .
11548-WMKS-0123M1	12"-CS-101-153	0-13L	2À	C-F-1	C5.12	PT	02/19/95	Y
11548-WMKS-0123N1	10"-RS-109-163L	2-RS-H003	2 F	F-A	F1.20	VT-3	06/14/94	Y .
11548-WMKS-0124A1	6"-RC-338-1502	2-RC-H004A	1A	F-A	F1.40	VT-3	06/08/94	Y
11548-WMKS-0124A1	3"-RC-361-1502	2-RC-H011	1Å	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-0124A1	3"-RC-361-1502	2-RC-H012	1 A	F-A	F1.10	*VT-3	06/08/94	Y
11548-WMKS-0124A1	6"-RC-339-1502	2-RC-H012A	1Å .	F-A	F1.40	VT-3	06/08/94	Y
11548-WMKS-0124A1	6"-RC-337-1502	2-RC-H118	1 A	F-A	F1.40	VT-3	06/08/94	¥
11548-WMKS-0124A1	3"-RC-335-1502	4-17	1 A	B-J	B9.40	PT	02/20/95	. Y
11548-WMKS-0124A1	3"-RC-361-1502	4-20	1A	B-J	B9.21	. PT	02/20/95	Y
11548-WMKS-0124A1	3"-RC-361-1502	4-21	1Å	B-J	B9.21	PT	02/20/95	¥
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Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks	
11548-WMKS-0124A1	3"-RC-361-1502	4-23	1A _	B -J	B9.40	PT	02/27/95	Y	
11548-WMKS-0124A1	6"-RC-337-1502	Flange "A"	1A	B-G-2	B7.50	V I-1	02/07/95	Y	
11548-WMKS-0125A1	4"-RC-315-1502	2-23	. 1 A	B-J	B9.11	UT/PT	02/28/95	, Y	
11548-WMKS-0125A1	4"-RC-315-1502	2-29	1 A	B-J	B9.11	UT/PT	02/20/95	Y	
11548-WMKS-0125A1	4"-RC-315-1502	2-RC-H004	1A	F-A	F1.10	VT-3	06/08/94	Y	
11548-WMKS-0125A1	4"-RC-315-1502	2-RC-H005	1A	F-A	F1.10	VT-3	06/08/94	Y	
11548-WMKS-0125A1	4"-RC-315-1502	2-RC-H006	1A	F-A	F1.10	VT-3	06/08/94	Y .	
11548-WMKS-0125A1	4"-RC-314-1502	2-RC-H017	1 A	F-A	F1.10	VT-3	06/08/94	Y	
11548-WMKS-0125A1	1 "-RC-405-1502	3-01BC	1A	_ B -J	B9.32	PT	02/14/95	Y	
11548-WMKS-0125A1	1 "-RC-405-1502	3-06	1A	- B-J	B9.40	PT	02/14/95	Y	
11548-WMKS-0125A1	1 "-RC-405-1502	Flange "A"	1A	B-G-2	B7.50	VT-1	02/20/95	Y	
11548-WMKS-0127C1	10"-SI-216-153	2-SI-H004	2F	F-A	F1.40	VT-3	06/14/94	Y	
11548-WMKS-0127C2	10"-SI-352-1502	1-08	2A	C-F-1	C5.11	UT/PT	05/23/94	· Y	
11548-WMKS-0127C2	10"-SI-352-1502	2-SI-H018	2A	F-A	F1.20	VT-3	06/14/94	Y	
11548-WMKS-0127F1	10"-SI-206-153	H-C39	2F	F-A	F1.20	VT-3	05/10/94	Y	
1548-WMKS-0127F1	10"-SI-206-153	H-C40	2F	F-A	F1.20	VT-3	02/19/95	Y	
11548-WMKS-0127J2	2"-SI-285-1502	1-11	1A	B-J	B9.40	PT	02/09/95	Y	
11548-WMKS-0127J2	2"-SI-285-1502	1-12	1A	B-J	B9.40	PT	02/09/95	Y	
11548-WMKS-0127J2	2"-SI-285-1502	1-13	1A	B-J	B9.40	PT	02/09/95	Y	
11548-WMKS-0127J2	2"-SI-285-1502	1-14	1A	B-J	B9.40	PT	02/09/95	Y	
11548-WMKS-0127J2	2"-SI-285-1502	2-SI-H001	2A	F-A	F1.20	VT-3	06/08/94	· y .	
11548-WMKS-2018A5	14"-WFPD-117-601	1-22	2A	C-F-2	C5.51	UT/MT	02/08/95	Y	
11548-WMKS-CH-11	3"-CH-302-1503	2-04	2A .	C-F-1	C5.21	UT/PT	01/25/95	Y	
11548-WMKS-CH-11	3"-CH-302-1503	2-05	2A	C-F-1	C5.21	UT/PT	01/25/95	\mathbf{P}^{1}	
11548-WMKS-CH-55	2"-CH-368-1502	1-01BC	1A	B-J	B9.32	PT	02/20/95	Y .	
11548-WMKS-CH-55	2"-CH-368-1502	1-05	1A	в-Ј	B9.40	PT	.02/20/95	Y	
11548-WMKS-CH-55	2"-CH-368-1502	1-06	1A	B-J	B9.40	PT	02/20/95	Y	
11548-WMKS-CH-55	2"-CH-368-1502	1-07	1A	B-J	B9.40	PT	02/20/95	Y .	
11548-WMKS-CH-55	2"-CH-368-1502	1-19	1A	B-J	B9.40	PT	02/27/95	Y	
11548-WMKS-CH-55	2"-CH-368-1502	1-20	1A	B-J	B9.40	PT	02/27/95	· Y	
11548-WMKS-CH-60	2"-CH-308-1503	0-03	1 A	B-J	B9.40	PT	02/19/95	Y	

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Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-CH-60	2"-CH-308-1503	0-04	1A	. B-J	B9.40	PT	02/19/95	Y
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H001A	1 A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H001B	.1A	F-A	F1.10	VT-3	06/08/94	¥
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H008	1A ()	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H008A	1A	Ė-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H013	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H014	1A	F-A	F1.10	VT-3	06/08/94	. Y
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H014A	1A ,	F-A	F1.10	VT-3	06/08/94	¥
11548-WMKS-CH-9	3"-CH-379-1503	2-CH-H001	1A (F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-CH-E-2	2-CH-E-2	1-01	2A	C-A	C1.20	UT	03/05/95	P¹.
11548-WMKS-CH-E-2	2-CH-E-2	1-02	2A	C-A	C1.10	UT	03/05/95	P1
11548-WMKS-CH-E-3	2-CH-E-3	1-04	1A .	В-В	B2.51	UT	02/22/95	¥
11548-WMKS-CH-E-3	2-CH-E-3	1-22	1A	B-B	B2.80	UT	02/22/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	1-23	2Å	C-A	C1.30	. עד	02/22/95	Y '
11548-WMKS-CH-E-3	2-CH-E-3	1-24 10 (18)	2À	C-A	C1.20	UT	02/22/95	Y
548-WMKS-CH-FL-4A	2-CH-FL-4A	1-01 ^{***} *********************************	2A	C-A	C1.20	UT	02/23/95	P1
11548-WMKS-CH-FL-4A	2-CH-FL-4A	2-CH-H001	2A	F-A	F1.40	VT-3	02/23/95	Y
11548-WMKS-CH-FL-4A	2-CH-FL-4A	2-CH-H002	2A	F-A	F1.40	VT-3	02/23/95	Y ·
11548-WMKS-CH-FL-4A	2-CH-FL-4A	2-CH-H003	2A	F-A	F1.40	VT-3	02/23/95	Y
11548-WMKS-CH-P-1A	2-CH-P-1A	2-CH-H001	2A	F-A	F1.40	V T-3	01/12/95	Y
11548-WMKS-RC-10-1	29"-RC-307-2501R	1-01DM	1A .	B-F	B5.10	UT Auto	03/02/95	¥
11548-WMKS-RC-10Z3	2"-RC-500-1502	1-01BC	1A	в-Ј	B9.32	PT	02/14/95	Y
11548-WMKS-RC-10Z3	2"-RC-500-1502	1-02	1A	B-J;	B9.40	PT ·	02/14/95	¥
11548-WMKS-RC-10Z4	2"-CH-393-1502	1-11	1A	B-J	B9.40	PT	02/15/95	Y
11548-WMKS-RC-10Z4	2"-CH-393-1502	Flange "A"	1A	B-G-2	B7.50	V T-1	02/06/95	¥
11548-WMKS-RC-11-1	29"-RC-304-2501R	1-01DM	1A	B-F	B5.10	UT Auto	03/02/95	. Y
11548-WMKS-RC-11Z1	2"-RC-356-1502	2-RC-H003	1 A	F-A	F1.40	VT-3	06/08/94	Y
11548-WMKS-RC-12-1	29"-RC-301-2501R	1-01DM	1A,	B-F	B5.10	UT Auto	03/02/95	Y
11548-WMKS-RC-E-002	2-RC-E-2	BOLTING	1 A	B-G-2	B7.20	VT-1	02/07/95	Y
11548-WMKS-RC-E-002	2-RC-E-2	H001-1	1A	B-K-1	B10.10	Surface	02/20/95	Y
11548-WMKS-RC-E-002	2-RC-E-2	Htr. Element	1 A	B-E	B4.20	VT-2	03/19/95	Y
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Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-RC-E-002	2-RC-E-2	Inst. Nozzle	1A	B-E	B4.13	VT-2	03/19/95	Y
11548-WMKS-RC-E-1A.1	2-RC-E-1A	1-01	1.4	в-в	B2.40	UI	02/16/95	Y
11548-WMKS-RC-E-1A.1	2-RC-E-1A	2-02	2A	C-A	C1.30	UT	02/10/95	Y
11548-WMKS-RC-E-1A.1	2-RC-E-1A	2-03	2A	C-A	C1.10	UT	02/10/95	Y
11548-WMKS-RC-E-1A.1	2-RC-E-1A	2-05	2A	C-¥	C1.10	UT	02/12/95	. Y
11548-WMKS-RC-E-1A.1	2-RC-E-1A	2-06	2A	C-A	C1.10	UT	02/13/95	Y
11548-WMKS-RC-E-1A.1	2-RC-E-1A	2-08	2A	C-A	C1.20	UT	02/25/95	Y
11548-WMKS-RC-E-1A.2	2-RC-E-1A	2-RC-1-01ANIR	1A	B-D	B3.140	VT-1	02/21/95	Y
11548-WMKS-RC-E-1A.2	2-RC-E-1A	2-RC-1-01BNIR	1A	B-D	B3.140	VT-1	02/21/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	B-01	1A	B-G-1	B6.180	· UT	02/11/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	B-02	1 A	B-G-1	B6.180	UT	02/11/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	B-03	1.6	B-G-1	B6.180	UT	02/11/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	B-04	1A ·	B-G-1	B6.180	UT	02/11/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	B-05	1A	B-G-1	B6.180	UT	02/11/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	B-06	1A	B-G-1	B6.180	UT	02/11/95	Y
1548-WMKS-RC-P-1C.2	2-RC-P-1C	B-07	1A	B-G-1	B6.180	UT	02/11/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	B-08	1A	B-G-1	B6.180	UT	02/11/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	FLANGE	1A	B-G-1	B6.190	VT-1	02/18/95	P ³
11548-WMRS-RC-R-1.1	2-RC-R-1	1-01	1A '	B-A	B1.30	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-10	1A	B-D	B3.90	UT Auto	03/02/95	Y .
11548-WMKS-RC-R-1.1	2-RC-R-1	2-12	1A	B-D	B3.90	UT Auto	03/02/95	, Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-14	1A	B-D	B3.90	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-10NIR	1A ,	B-D	B3.100	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-12NIR	1A ·	B-D	B3.100	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2~RC-14NIR	1A	B-D	B3.100	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-INT	1A	B-N-1	B13.10	VT-3	02/26/95	.Y
11548-WMKS-RC-R-1.2	2-RC-R-1	1-01	1 A	B-A	B1.40	UT/MT	02/21/95	P¹
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-01	1A	B-G-1	B6.30	UT/MT	02/25/95	Υ .
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-02	1A	B-G-1	B6.30	UT/MT	02/25/95	Y .
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-03	1A	B-G-1	B6.30	UT/MT	02/25/95	Ÿ
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-04	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
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Drawing Number	Line No.	Mark No	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-05	1A	B-G-1	B6.30	. UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	.2-RC-R-1	Stud-06	1A '	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-07	1 A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-08	1A	B-G-1	B6.30	UT/MT	02/25/95	¥
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-09	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-10	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-11	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-12	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-13	1A .	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-14	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-15	1A	B-G-1	B6.30	UT/MT	02/24/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-16	1A-	B-G-1	B6.30	UT/MT	02/24/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-17	1A	B-G-1	B6.30	UT/MT	02/24/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-18	1A	B-G-1	B6.30	UT/MT	02/24/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-19	1A	B-G-1	B6.30	UT/MT	02/24/95	Y .
548-WMKS-RC-R-1.3	2-RC-R-1	Stud-20	1,A	B-G-1	B6.30	UT/MT	02/24/95	¥
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-01	1A	B-G-1	B6.40	UT Auto	03/05/95	¥
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-02	1'A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-03	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-08	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-09	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-10	1A	B-G-1	B6.40	UT Auto	03/05/95	¥
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-11 ,	1A .	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-12	1 A	B-G-1	B6.40	UT Auto	03/05/95	¥
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-13	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-14	1A	B-G-1	B6.40	UT Auto	03/05/95	Y .
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-15	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-16	1 A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-17	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-18	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-22	1 A	B-G-1	B6.40	UT Auto	03/05/95	Y

rawing umber	Line No.	Mark No	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
.1548-WMKS-RC-R-1.3	2-RC-R-1	TIF-23	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
1548-WMKS-RC-R-1.3	2-RC-R-1	TIF-24	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
1548-WMKS-RC-R-1.3	2-RC-R-1	TIF-25	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
1548-WMKS-RC-R-1.3	2-RC-R-1	TIF-26	1A	B-G-1	B6.40	UT Auto	03/05/95	.X
1548-WMKS-RC-R-1.3	2-RC-R-1	TIF-27	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
1548-WMKS-RC-R-1.3	2-RC-R-1	TIF-28	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
1548-WMKS-RC-R-1.3	2-RC-R-1	TIF-29	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
1548-WMKS-RC-R-1.3	2-RC-R-1	TIF-52	1A	B-G-1	B6.40	UT Auto	03/05/95	¥
1548-WMKS-RC-R-1.3	2-RC-R-1	TIF-53	1A ,	B-G-1	B6.40	UT Auto	03/05/95	Y
1548-WMKS-RC-R-1.3	2-RC-R-1	TIF-54	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
1548-WMKS-RC-R-1.3	2-RC-R-1	TIF-55	1 A	B-G-1	B6.40	UT Auto	03/05/95	Y
1548-WMKS-RC-R-1.3	2-RC-R-1	TIF-56	1A	B-G-1	B6.40	UT Auto	03/05/95	. Y
1548-WMKS-RC-R-1.3	2-RC-R-1	TIF-57	1A .	B-G-1	B6.40	UT Auto	03/05/95	Y
1548-WMKS-RC-R-1.3	2-RC-R-1	TIF-58	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
1548-WMKS-RC-R-1.4	2-RC-R-1	CCW-01	1A	B-G-1	B6.50	VT~1	02/25/95	Y .
1548-WMKS-RC-R-1.4	2-RC-R-1	CCW-02	1A	B-G-1	B6.50	VT-1	02/25/95	¥
L548-WMKS-RC-R-1.4	2-RC-R-1	CCW-03	1 A	B-G-1	B6.50	VT-1	02/25/95	Y
1548-WMKS-RC-R-1.4	2-RC-R-1	CCW-04	. 1A	B-G-1	B6.50	VT-1	02/25/95	Y
1548-WMAS-RC-R-1.4	2-RC-R-1	CCW-05	1 A	B-G-1	B6.50	VT-1	02/25/95	, Y
1548-WMKS-RC-R-1.4	2-RC-R-1	CCW-06	1A	B-G-1	B6.50	VT-1	02/25/95	. Y
1548-WMKS-RC-R-1.4	2-RC-R-1	CCW-07	1 A	B-G-1	B6.50	VT-1	02/25/95	Y
1548-WMKS-RC-R-1.4	2-RC-R-1	CCM-08	1A	B-G-1	B6.50	VT-1	02/25/95	Y
1548-WMKS-RC-R-1.4	2-RC-R-1	CCW-09	· 1A	B-G-1	B6.50	VT-1	02/25/95	Y
1548-WMKS-RC-R-1.4	2-RC-R-1	CCW-10	1 A	B-G-1	B6.50	VT-1	02/25/95	Y
L548-WMKS-RC-R-1.4	2-RC-R-1	CCW-11	1 A	B-G-1	B6.50	VT-1	02/25/95	Y
L548-WMKS-RC-R-1.4	2-RC-R-1	CCW-12	1A	B-G-1	B6.50	VT-1	02/25/95	Y
L548-WMKS-RC-R-1.4	2-RC-R-1	CCW-13	1A	B-G-1	B6.50	VT-1	02/25/95	Y
1548-WMKS-RC-R-1.4	2-RC-R-1	CCW-14	1 A	B-G-1	B6.50	VT-1	02/25/95	Y
1548-WMKS-RC-R-1.4	2-RC-R-1	CCW-15	1A	B-G-1	B6.50	VT-1	02/25/95	Y
1548-WMKS-RC-R-1.4	2-RC-R-1	CCW-16	1A	B-G-1	B6.50	VT-1	02/25/95	Y
		CCW-17	1A :	B-G-1				

Drawing Number	Line No.	Mark No	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-18	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-19	1A .	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-20	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-01	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-02	1A	B-G-1	B6.50	V T-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-03	1A	B-G-1	B6.50	V T-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-04	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-05	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-06	1A .	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-07	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-08	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-09	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WKS-RC-R-1.4	2-RC-R-1	CVW-10	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-11	1 A	B-G-1	B6.50	VT-1	02/25/95	Y .
1548-WMKS-RC-R-1.4	2-RC-R-1	CVW-12	1A	B-G-1	B6.50	VT-1	02/25/95	Y
1548-WMKS-RC-R-1.4	2-RC-R-1	CVW-13	1A	B-G-1	B6.50	VT-1	02/25/95	Y
1548-WMKS-RC-R-1.4	2-RC-R-1	CVW-14	1A	B-G-1	B6.50	VT-1	02/25/95	Y
.1548-WMKS-RC-R-1.4	2-RC-R-1	CVW-15	1A	B-G-1	B6.50	VT-1	02/25/95	Y
1548-WMKS-RC-R-1.4	2-RC-R-1	CVW-16	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-17	1A	B-G-1	B6.50	VT-1	02/25/95	Y .
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-18	1A	B-G-1	B6.50	VT-1	02/25/95	Y
1548-WMKS-RC-R-1.4	2-RC-R-1	CVW-19	1 A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-20	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-01	1A :	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-02	1A .	B-G-1	B6.10	MT	02/24/95	Y .
1548-WMKS-RC-R-1.4	2-RC-R-1	NUT-03	1 A .	B-G-1	B6.10	··MT	02/24/95	Y
.1548-WMKS-RC-R-1.4	2-RC-R-1	NUT-04	1A	B-G-1	B6.10	MT	02/24/95	Y
.1548-WMKS-RC-R-1.4	2-RC-R-1	NUT-05	1A	B-G-1	B6.10	MT	02/24/95	Y
1548-WMKS-RC-R-1.4	2-RC-R-1	NUT-06	1A	B-G-1	B6.10	MT	02/24/95	Y
.1548-WMKS-RC-R-1.4	2-RC-R-1	NUT-07	1A	B-G-1	B6.10	MT	02/24/95	Y
1548-WMKS-RC-R-1.4	2-RC-R-1	NUT-08	1A ·	B-G-1	B6.10	MT	02/24/95	Y
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Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	_Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-09	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-10	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-11	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-12	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-13	1 A	B-G-1	B6.10	MT	02/24/95	, Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-14	1.4	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-15	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-16	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-17	1A .	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-18	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-19	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-20	1A .	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RH-E-1A	2-RH-E-1A	1-A01	2A	C-A	C1.20	UT	03/06/95	Y
11548-WMKS-RH-E-1A	2-RH-E-1A	1-A02	2A	C-A	C1.10	UT	03/06/95	Y
11548-WMKS-RH-E-1A	2-RH-E-1A	1-A03	2A	C-B	C2.33	VT-2	03/13/95	Y
548-WMKS-RH-E-1A	2-RH-E-1A	1-A04	2A	C-B	C2.33	VT-2	03/13/95	Y
11548-WMKS-RH-E-1A	2-RH-E-1A	1-A05	2A	C-B	C2.31	PT	03/06/95	¥
11548-WMKS-SI-1	12"-SI-201-153	0-03	2A	C-F-1	C5.11	UT/PT	03/02/95	Y
11548-WMKS-SI-1	12"-SI-201-153	0-05	2A	C-F-1	C5.11	UT/PT	03/02/95	Y
11548-WMKS-SI-1	12"-SI-202-153	0-13	2A	C-F-1	C5.11	UT/PT	03/02/95	Y
11548-WMKS-SI-1	12"-SI-201-153	2-SI-H001A	2A	F-A	F1.20	VT-3	02/28/95	Y
11548-WMKS-SI-2	3"-SI-270-1503	2-SI-H002	2A	F-A	F1.20	VT-3	06/08/94	Y
11548-WMKS-SI-35	2"-SI-271-1503	2-SI-H001	2Å	F-A	F1.20	VT-3	06/08/94	Y
11548-WMKS-SI-4	12"-SI-205-153	2-SI-HSS-104B	2 A	TS3.2	TS4.17	VT-3	06/08/94	Y
11548-WMKS-SI-5	12"-SI-363-153	0-17	2 A	C-F-1	C5.11	UT/PT	03/02/95	Y
11548-WMKS-SI-5	12"-SI-363-153	0-18	2A	C-F-1	C5.11	UT/PT	03/02/95	Y
11548-WMKS-SI-5	12"-SI-363-153	0-5L	2À	C-F-1	C5.12	UT/PT	03/02/95	¥ .
11548-WMKS-SI-P-1B	2-SI-P-1B	2-01	2A .	C-G	C6.10	VT-1	03/02/95	Y
11548-WMKS-SI-P-1B	2-SI-P-1B	.2-02	2A	C-G	C6,10	VT-1	03/02/95	Y
11548-WMKS-SI-P-1B	2-SI-P-1B	2-03	2A	C-G	C6.10	VT-1	03/02/95	Y
11548-WMKS-SI-P-1B	2-SI-P-1B	2-04	2A	C-G	C6.10	VT-1	03/02/95	Y
							•	

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Abstract of Examinations Performed IWB, IWC, and IWF

	•						•	
Drawing	Line	Mark	Sect. XI	Sect. XI		Exam.	Exam.	
Number	No.	No	Class_	Category	Item No.	Method	Date	Remarks_

Notes:

- A1 Additional examination, no credit taken. Re-examination performed to satisfy additional examination requirements of Relief Request SR- 020.
- A2 Additional examination, no credit taken. Re-examination performed to satisfy additional examination requirements due to an unacceptable support condition in a previous outage.
- A3 = Additional examination, no credit taken. Re-examination performed to satisfy additional examination requirements due to an unacceptable weld condition in a previous outage.
- E1 Expansion exams conducted due to corrective measures performed on support 2-CH-H001 on line # 2"-CH-397-1502 and drawing # 11548-WMKS-RC-12Z5. (see Attachment 3, pages 1 and 2, to this report)
- E2 Examined per expansion requirements of IWF-2430, due to corrective measures performed on support 2-CH-H008 on 3"-CH-301-1502 and drawing 11548-WMKS-CH-8. (see Attachment 3, pages 3-6, to this report)
- E3 Examined per expansion requirements of IWF-2430, due to corrective measures performed on support 2-RC-H006 on 4"-RC-315-1502 and drawing 11548-WMKS-0125A1. (see Attachment 3, pages 3-6, to this report)
- P1 Partial examination, (reduction in coverage is greater than 10% as allowed by Code Case N-460) relief request has been provided by separate correspondence.
- P2 Partial examination for surface NDE, UT examination remains to be performed in Third Interval.
- P3 One bolt removed and annular flange surfaces examined.
- Y Full credit for the period has been achieved.

ZONE	DESCRIPTION	CODE CLASS	TEST <u>TYPE</u>	DATE	REMARKS
	SECOND INTERVAL, THIRD PERI	OD .			
2-SPM-82A-3-3-2	"A","B","C" Charging Pump Sample	2	Inservice/N498-1	06/19/94	p
2-spm-83A-3-1-1	Containment Sump Pump Discharge	2	Functional/N498-1	06/15/94	Y
2-SPM-83A-3-2-2	Primary-Drain Transfer Pump Discharge	2	Functional/N498-1	06/20/94	Ÿ
2-SPM-83B-3-1-2	Primary Drain Transfer Pump Discharge	2	Functional/N498-1	06/20/94	Y
2-SPM-83B-3-3-1	Primary Vent Pot Penetration Cart Company Company Company	2	Functional/N498-1	02/10/95	Y
2-SPM-83B-3-3-2	High Rad. Sample Sys. Waste Tank Disch. Penetration	2 y	Functional/N498-1	06/14/94	Y
2-spm-83B-3-3-3	Containment Sump Pump Discharge	2	Functional/N498-1	06/15/94	Y
2-SPM-83B-3-3-4	Reactor Coolant System to Primary Vent Pot - Consequence	1 .	Functional/N498-1	03/09/95	Ý
2-SPM-84A-3-1-1	Refueling Water Storage Tank	2	Atm. Stg. Tnk.	06/10/94	Y
2-SPM-84A-3-1-2	Lo-Hd. Safety Inj. Pump Suct. from Reflng. Wtr. Stg. Tnk.	2 .	Buried	03/15/95	Ý
2-SPM-84A-3-1-3	Lo-Hd. Safety Inj. Pump Disch. to Reflng. Wtr. Stg. Tnk.	2	Functional/N498-1	03/15/95	Ÿ
2-SPM-84A-3-1-4	Cont. Spray Pump Disch. to Reflng. Wtr. Stg. Tank	2	Open Flow Functional/N498-1	03/13/95	y
2-SPM-84A-3-2-1	Refueling Water Storage Tank	2	Open Flow Atm. Stg. Tnk.	06/10/94	Y
2-SPM-84A-3-2-2	Cont. Spray Pump Disch. to Reflng. Wtr. Stg. Tank	2	Functional/N498-1	03/13/95	P
2-SPM-84A-3-2-3	Cont. Spray Pump Disch. to Reflng. Wtr. Stg. Tank	2	Open Flow/Buried Functional/N498-1	03/13/95	p
2-SPM-84A-3-2-6	Containment Spray Rings	2	Open Flow/Buried Open Flow	05/18/91	y
2-SPM-84A-3-3-1	Containment Spray Pump Suction	2	Buried	03/11/95	у 28 е

ZONE	DESCRIPTION	CODE CLASS	TEST TYPE	DATE	REMARKS
2-SPM-84A-3-3-2	Containment Spray Pump Suction	2	Buried	03/11/95	y
2-SPM-84A-3-3-3	Containment Spray Pump Suction	2	Inservice/N498-1	02/03/95	Y
2-SPM-84A-3-3-4	Reactor Water Chemical Addition Tank Piping	2	Buried	02/06/95	У
2-SPM-84B-3-1-1	"B" Recirc. Spray Ht. Ex. Overflow Level & Spray Ring	2	Functional/N498-1	06/09/94	. p
2-SPM-84B-3-1-2	"A" Recirc. Spray Ht. Ex. Overflow Level & Spray Ring	2 **	Open Flow Functional/N498-1	06/09/94	p - T
2-SPM-84B-3-2-1	Outside Recirc. Spray Pump Suction from Sump	2	Open Flow Functional/N498-1	03/01/95	p
2-SPM-84B-3-2-6	"D" Recirc. Spray Ht. Ex. Overflow Level & Spray Ring	2	Buried Functional/N498-1	06/09/94	p
2-SPM-84B-3-2-7	"C" Recirc. Spray Ht. Ex. Overflow Level & Spray Ring	2	Open Flow Functional/N498-1	06/09/94	a raj
2-SPM-84B-3-2-8	Containment Spray Ring	2	Open Flow Open Flow	05/18/91	y
2-SPM-85A-3-1-2	Leakage Monitor System Open Pressure Taps	2.	Open Flow	02/24/95	Y
2-SPM-86A-3-1-1	Reactor Coolant System Double Isolation	1	Functional/N498-1	03/08/95	Y
2-SPM-86A-3-2-1	Reactor Coolant System Double Isolation	1	Functional/N498-1	03/08/95	y
2-SPM-86A-3-3-1	Reactor Coolant System Double Isolation	1	Functional/N498-1	03/09/95	y
2-SPM-86B-3-1-1	Reactor Coolant System Double Isolation	1	Functional/N498-1	02/22/95	Ý
2-SPM-86B-3-1-3	Reactor Coolant System Double Isolation	1	Functional/N498-1	03/10/95	, y
2-SPM-87A-3-2-2	Residual Heat Removal System to Reflng. Wtr. Stg. Tank	2	Functional/N498-1	02/17/95	У
2-SPM-88A-3-1-2	Deborating Demineralizers Inlet	2	Functional/N498-1	01/13/95	У
2-SPM-88B-3-1-1	Lo-Hd. Safety Inj. Pump Disch. to Reflng. Wtr. Stg. Tnk.	2	Functional/N498-1 Open Flow	03/03/95	y

ZONE	DESCRIPTION	CODE CLASS	TEST TYPE	DATE	REMARKS
2-SPM-88B-3-1-2	Reactor Coolant Pump Seal Return Header	2	Inservice/N498-1	06/04/94	y
2-SPM-88B-3-1-7	Miscellaneous Charging, 2-CH-FCV-2114A	2 .	Inservice/N498-1	01/12/95	Ÿ
2-SPM-88B-3-1-9	Miscellaneous Charging, 2-CH-218	2	Inservice/N498-1	01/13/95	У
2-SPM-88B-3-1-10	Miscellaneous Charging, 2-CH-220	. 2	Inservice/N498-1	01/14/95	Ÿ.
2-SPM-88B-3-2-7	"A", "B", "C" Charging Pump Sample	2 ,	Inservice/N498-1	06/19/94	p
2-SPM-88C-3-1-10	Excess Letdown Heat Exchanger	2 🖫	Inservice/N498-1	03/19/95	. у
2-SPM-88C-3-1-6	Auxiliary Spray System	1 🍃	Functional/N498-1	03/19/95	p
2-SPM-88C-3-1-7	Reactor Coolant Pump Seal Return Headers 12 Coolant Pump Seal Return Pump Seal Return Headers 12 Coolant Pump Seal Return Pump Seal Return Headers 12 Coolant Pump Seal Return	2 -	Inservice/N498_1 _	06/04/94	y
2-SPM-88C-3-2-2	Reactor Coolant Pump Seal Return Header And Anti-	2	Inservice/N498-1	06/04/94	Y
2-SPM-88C-3-2-4	"A" Reactor Coolant Pump Seal Return	1	Inservice/N498-1	06/04/94	y
2-SPM-88C-3-2-5	"B" Reactor Coolant Pump Seal Return	1	Inservice/N498-1	06/04/94	Y
2-SPM-88C-3-2-6	"C" Reactor Coolant Pump Seal Return	1	Inservice/N498-1	06/04/94	y
2-SPM-88C-3-2-8	Reactor Coolant Pump Seal Injection	1	Inservice/N498-1	06/04/94	Y
2-SPM-89A-3-1-4	Lo-Hd. Safety Inj. Pump Suct. from Reflng. Wtr.Stg. Tnk.	2	Buried Functional/N498-1	03/15/95	· y
2-SPM-89A-3-1-3	Lo-Hd. Safety Inj. Pump Suct. from Containment Sump	. 2	Buried	03/15/95	р
2-SPM-89A-3-2-2	Lo-Hd. Safety Inj. Pump to RCS Hot/Cold Legs	2	Functional/N498-1 Functional/N498-1	03/16/95	Y
2-SPM-89A-3-2-6	Lo-Hd. Safety Inj. Pump Disch. to Reflng. Wtr. Stg. Tnk.	2	Functional/N498-1 Open Flow	03/03/95	y .
2-SPM-89A-3-3-1	Nitrogen Supply to Accumulator Tanks	2	Functional /N498-1	06/09/94	У

ZONE	DESCRIPTION	CODE CLASS	TEST TYPE	<u>DATE</u>	REMARKS
2-SPM-89A-3-3-2	Hi-Hd. Safety Inj. Pump to RCS Hot/Cold Legs	2	Functional/N498-1	03/04/95	p
2-SPM-89B-3-1-8	Nitrogen Supply to Accumulator Tanks	2	Functional /N498-1	06/09/94	Y
2-SPM-89B-3-4-1	Safety Inj. Sys. to last Chk. valve on Hot & Cold legs	1/2	Functional/N498-1	03/16/95	У
2-SPM-89B-3-4-2	Safety Injection to RCS Hot/Cold legs	2	Functional/N498-1	03/16/95	р
2-SPM-118A-3-1-1	Reactor Cavity Purification Suction	2	Functional/N498-1	02/13/95	y .
2-SPM-118A-3-1-2	Reactor Cavity Purification Return	2 .	Functional/N498-1	02/13/95	У
	THIRD INTERVAL, FIRST PERIO)D			-
1-SPM-64A-3-1-3	"A" Steam Generator Main Steam inside Containment	~ 2	Inservice	11/28/94	Y
1-SPM-64A-3-2-3	"B" Steam Generator Main Steam inside Containment	2	Inservice	11/28/94	Y
1-SPM-64A-3-3-3	"C" Steam Generator Main Steam inside Containment	2	Inservice	11/28/94	У
1-SPM-64A-3-4-2	Miscellaneous Steam Trap Piping	2	Functional	12/24/94	Y
1-SPM-68A-3-1-1	Main Feedwater to "A" Steam Generator	2	Inservice	12/23/94	У
1-SPM-68A-3-1-2	Main Feedwater to "B" Steam Generator	2	Inservice	11/28/94	Y
1-SPM-68A-3-1-3	Main Feedwater to "C" Steam Generator	2	Inservice	11/28/94	Y
1-SPM-68A-3-1-4	Auxiliary Feedwater Headers	2	Functional	12/15/94	У
2-SPM-83B-3-3-4	Reactor Coolant System to Primary Vent Pot Normal Lineup	1	Leakage,	03/19/95	У
2-SPM-86A-3-1-1	Reactor Coolant System Normal Line Up	1	4 hr. hold, RR-6 Leakage,	03/19/95	У
2-SPM-86A-3-2-1	Reactor Coolant System Normal Line Up	1	4 hr. hold, RR-6, Leakage, 4 hr. hold, RR-6,	03/19/95	y

		CODE	TEST		·
ZONE	DESCRIPTION	<u>CLASS</u>	TYPE	<u>DATE</u>	<u>REMARKS</u>
2-SPM-86A-3-3-1	Reactor Coolant System Normal Line Up	1	Leakage,	03/19/95	y
2-3FM-00A-J-J-1	Reactor Coolant bystem Normal bine op	-	4 hr. hold, RR-6,	03/19/95	Y
2-SPM-86B-3-1-1	Reactor Coolant System Normal Line Up	1	Leakage,	03/19/95	У
			4 hr. hold, RR-6,		_
2-SPM-86B-3-1-2	Reactor Coolant System Normal Line Up	. 1	Leakage,	03/19/95	Y
2-SPM-86B-3-1-3	Reactor Coolant System Normal Line Up	1	4 hr. hold, RR-6, Leakage,	03/19/95	y
Z-DIM OOD J I J	Reductor Coolding ByBeem Normal Dime op		4 hr. hold, RR-6,	03/13/33	• 1
2-SPM-88C-3-1-1	Charging System to Reactor Coolant System	1	Leakage,	03/19/95	y
		,	4 hr. hold, RR-6		
2-SPM-88C-3-1-2	Reactor Coolant System Normal Line Up	1	Leakage; 4 hr. hold, RR-6,	03/19/95	. Y
2-SPM-88C-3-1-3	Reactor Coolant System Normal Line Up	1 -	Leakage,	03/19/95	y ·
		_	4 hr. hold, RR-6	00, 20, 50	1
2-SPM-88C-3-2-4	"A" Reactor Coolant Pump Seal Return	1	Leakage,	03/19/95	Y
0 00% 000 0 0 5	HDI Booker Collect Division Coll Believes	1	4 hr. hold, RR-6	02/10/05	
2-SPM-88C-3-2-5	"B" Reactor Coolant Pump Seal Return	1.	Leakage, 4 hr. hold, RR-6	03/19/95	Y
2-SPM-88C-3-2-6	"C" Reactor Coolant Pump Seal Return	1 -	Leakage,	03/19/95	У
		_ ,	4 hr. hold, RR-6		•
2-SPM-88C-3-2-8	Reactor Coolant Pump Seal Injection	1	Leakage,	03/19/95	Y
2 004 000 2 1 6	Chausing /Buy Course to Booston Coolant Custon	1	4 hr. hold, RR-6	02/10/05	
2-SPM-88C-3-1-6	Charging /Aux. Spray to Reactor Coolant System	1	Leakage, 4 hr. hold, RR-6	03/19/95	Y
2-SPM-89B-3-1-1	Reactor Coolant System Normal Line Up	1	Leakage,	03/19/95	у
			4 hr. hold, RR-6,		-
2-SPM-89B-3-1-3	Reactor Coolant System Normal Line Up	1	Leakage,	03/19/95	Y
2-SPM-89B-3-2-1	Reactor Coolant System Normal Line Up	1	4 hr. hold, RR-6 Leakage,	03/19/95	. y
· · · · · · · · · · · · · · · · · · ·	Reactor Coolant by been normal bine op	-	4 hr. hold, RR-6,	03/13/33	1
2-SPM-89B-3-2-3	Reactor Coolant System Normal Line Up	1	Leakage,	03/19/95	У
			4 hr. hold, RR-6		
2-SPM-89B-3-3-1	Reactor Coolant System Normal Line Up	1	Leakage,	03/19/95	y .
2-SPM-89B-3-3-3	Reactor Coolant System Normal Line Up	1	4 hr. hold, RR-6, Leakage,	03/19/95	y
2 JIN 070 3 3-3	wedges contain placem normar name ob	. -	4 hr. hold, RR-6	00/10/00	Y .
. ,					

ZONE	DESCRIPTION	CODE CLASS	TEST <u>TYPE</u>	DATE	REMARKS
2-SPM-89B-3-4-1	Reactor Coolant System and Safety Injection	1	Leakage, 4 hr. hold, RR-6	03/19/95	У

p = Part of test zone completed on previous date within the 2nd Interval, 3rd Period. The date shown indicates final completion for entire test zone.

y = Full test zone completed on date shown.

SNUBBER PROGRAM

Snubber visual inspection was performed in accordance with Technical Specification 4.17, no failures were identified.

Forty three (43) snubbers were selected for functional inspection and seal replacement this refueling outage, no failures were identified during functional inspection. Snubber removal and installation for the Technical Specification functional testing program are considered maintenance activities and not ASME Section XI repair and replacements. The ANII was not involved in the review of this work.

SURRY UNIT 2, FEBRUARY 1995 RFO

S/G "A", EDDY CURRENT EXAMINATION SUMMARY

In Steam Generator "A", all available tubes were inspected full length with bobbin probes. A 301 tube sample was tested with Rotating Pacake Coil (RPC) probes in the hot leg transition (TSH +/- 3") region. Supplemental examinations were also performed using RPC probes where additional confirmatory or other data was desired. The following tubes were plugged for axially oriented indications:

Row		٠ ر	<u>Column</u>
4		٠, -	36
6		- 1	39
7	•		39
7			50

Tube R1-C59 was plugged as a precautionary measure due to a restriction at the tubesheet on the hot leg. This Steam Generator contains a total of seven plugged tubes. See the attached list for details of this examination.

SURRY 2, 1995 REFUELING OUTAGE STEAM GENERATOR "A"

				SIEAM G	ENERATOR A
	ROW	COL	LOCN	IND	REMARKS
			ı		•
	18	5	2C	15	
	. 8	6	5H	10	
	8	8	2C	26	•
	24	9	4H	11	
·	19	14	5C `	14	
	26	18	3C	29	
	7	19	4H	15	
	9	19	6н	11	
	31	20	4C	12	
	37	22	1H	29	
	27	26	3C	14	
	31	26	TSH	10	
	6	27	3C	14	
	38	27	AV3	15	
	41	27	2н	36	
	2	28	TSC	11	
- and	27	29	3C	13	
	28	29	2Н	17	
	20	30	6Н	15	
	22	30	6н	. 32	
	41	32	6C	28	
	2	33	6H	14	
	23	34	6Н	10	
	29	34	AV4	17	
	1	35	2C	13	
	1	35	TSC	36	•
	2	35	ЗН	23	
	6	35	2C	17	
	9	35	TSC	17	

SURRY 2, 1995 REFUELING OUTAGE STEAM GENERATOR "A"

				JIDIN C		
	ROW	COL	LOCN	IND	REMARKS	
	13 13	35	4H	10		
		35	6н	18	*	
	19	35	7H '	14		
	4 4	36 36	TSC :	37 SAI	plugged plugged	
	7	36	•	21	pragged	
			TSC			
	9	36	6Н	16		
	4	37	TSC	14		
	23	37	7 ,H	18		
	6	38	TSC	27	earth and	
	31	38	6н	29		
	6	39	TSC	MAI	plugged	
	7	39	TSC	SAI	plugged	
	12	39	6C	;∴ 37		
,	14	41	6н	25		
	21	41	6н	13	Agraphic Arms	
	3	43	5н	ου√ 27	· · · · · · · · · · · · · · · · · · ·	•
» ·	4	43	TSC	23		
	17	44	6н	27	•	
	4	45	TSC	26		
	19	45	AV4	17		
	35	47	2C	14		
	43	48	AV4	30	en e	٠.
	19	49	7 C	16		
	46 46	49 49	BPH 5H	18 21		
	7	50	TSC	MAÏ	plugged	
	26	50	10	31		
	31	50	1H	19		
	9	51	TSC	16		

Page 3 of 7

SURRY 2, 1995 REFUELING OUTAGE STEAM GENERATOR "A"

•	ROW	COL	LOCN	IND	REMARKS
			i	34 V	
	10	52	5C.	16	
	15	52	AV4	22	
	7	54	TSC	25	
		- 4			
	9 .	54	TSH .	25	-
	30	54	3C	20	ι ΄
	10		F.00		
	18	55	5C	29	•
	22	55	AV4	22	•
	25		0.0	10	•
	35	55	2C	12	
	36	55	BPH	27	
	36	55	AV4	17	
	43	55	AV2	15	
		•		,	•
	36	56	AV4	16	
	38	56	6C	14	
	4	57	2H	12	
	7	57	2H	13	
	_				
	7	57	TSC	11	
	21	57	TSH	16	
	21	57	4H	26	
	25	57	AV2	16	;
	23	3,	AVZ	10	
	36	57	AV4	18	
	38	57	4C	21	
			40	4, 5	
	17	58	6C	12	
	1	59	TSC	28	plugged
	ī	59	TEH	RST	plugged
	ī	59	TSH	RST	plugged
	3	59	ЗН	12	
	3	33	ЭП	12	
	43	60	2C	21	
	16	61	1C	14	
			10	14	
	4	62	2H	34	
	19	62	6Н	13	
		U.E	OH	13	

SURRY 2, 1995 REFUELING OUTAGE STEAM GENERATOR "A"

			,	DILIM	CEMERATOR A
•	ROW	COL	LOCN	IND	REMARKS
	30	62	1H	26	
	30 30	62 62	4H 5C	16 31	
	36	62	AV2	12	
	40	65	AV2	18	
	8 8	66 66	TSH 1H	27 18	
	11	66	6C	14	
	8	67	1C .	14	
	.24	68	7H	19	
	32	68	AV3	₩ 19 ₩	of facilities and acceptance
	32	69	4H	14	学事情中 一十二
			* * * *	· Alling	Robert Barrier Commence
	24	70	4C	. 19	
·	38	70	ВРН	25	
	14	72	ВРН	26	
	.23	72	BPC	14	
٠.	31 .	72	3C	17	
		, :		+	•
	38	72	AV4	. 17 Fat	
	12 12	73 73	6C 1C	16 16	
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SURRY 2, 1995 REFUELING OUTAGE STEAM GENERATOR "A"

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VIRGINIA ELECTRIC AND POWER COMPANY STEAM GENERATOR EDDY CURRENT TUBE INSPECTION

GLOSSARY OF TERMS

- 1. ROW, COL COLUMN tube identifier numbers an X-Y coordinate system.
- IND INDICATION Character codes and numerics that represent the analysis results of the data for that tube, e.g., SAA, 25%, etc.
- 3. LOCN LOCATION The location in the tube of the INDICATION called.
- 4. MAI MULTIPLE AXIALLY ORIENTED INDICATION Describes multiple axially oriented indication signals from Rotating Pancake Coil probe data.
- 5. MAA MULTIPLE AXIAL ANOMALY Describes multiple axially oriented anomalies that are called from Rotating Pancake Coil probe data to allow future monitoring.
- 6. 55 A number in the indication column shows the % through wall depth of the indication.
- 7. RST RESTRICTED Indicates that the probe listed in the record would not physically pass the location specified.
- 8. SAA SINGLE AXIAL ANOMALY Describes single axially oriented anomalies that are called from Rotating Pancake Coil probe data to allow future monitoring.
- 9. SAI Describes a single axially oriented indication signals from Rotating Pancake Coil probe data.
- 10. TEH Tube End Hot leg.
- 11. TEC Tube End Cold leg.
- 12. TSH Top of Tubesheet Hot leg.
- 13. TSC Top of Tubesheet Cold leg.
- 14. BPH, BPC BAFFLE PLATE HOT AND COLD
- 15. #C, #H (# = number) of Support Plate Hot or Cold leg. e.g., 3H, 6H, 7C.
- 16. AV1, AV2, AV3, AV4 Anti-Vibration Bars 1 through 4.

4000 700

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

ATTACHMENT 2

SURRY POWER STATION UNIT 2 ISI INSPECTIONS

REPAIRS AND REPLACEMENTS NIS-2 FORMS

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Repairs and Replacements

Repairs and Replacements completed during this refueling outage for Interval 2, Period 3 were performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code, 1980 Edition through 1980 Winter Addenda. For Interval 3, Period 1, Repairs and Replacements were performed in accordance with the 1989 Edition of Section XI.

The following paragraphs and attached NIS-2 Forms represent those repairs performed on Class 1 and Class 2 systems:

Interval 2 Repairs and Replacements

RR# 91-32, Replaced 2"x 2"x 1/4" TEE in charging System. This replacement was performed on DCP 88-38 and was completed on 05-12-94.

RR# 91-33, Replaced Flow Element (orifice plate assembly) 2-CH-FE-2180. This replacement was performed on DCP 88-38 and was completed on 05-12-94.

RR# 93-146, Replaced bolting on valve 2-RC-SV-2551A. This replacement was performed on Work Order 00265637-01 and completed on 08-16-93.

RR# 93-147, Replaced bolting on valve 2-RC-SV-2551B. This replacement was performed on Work Order 00265640-02 and completed on 08-16-93.

RR# 93-148, Replaced bolting on valve 2-RC-SV-2551C. This replacement was performed on Work Order 00265641-02 and completed on 08-16-93.

RR# 93-154, Replaced hand hold cover bolting on Steam Generator 2-RC-E-1C. This replacement was performed on Work Order 00265690-01 and completed on 08-15-93.

RR# 93-157, Replaced the bolting on the discharge flange connection to Charging pump 2-CH-P-1A. This replacement was performed on Work Order 00263823-01 and completed on 09-11-93.

RR# 93-208, Replaced secondary side manway studs on "C" Steam Generators (2-RC-E-1C). This replacement was performed on Work Orders 00277352-01 and 00277352-04 and completed on 12-02-93.

RR# 93-209, Repaired socket weld to Valve 2-FW-67. This repair was performed on Work Order 00277610-01 and completed on 11-24-93.

RR# 94-124, Replaced bolting and spring can on Component Support 2-RS-PH-M123N2.5. (Spring can was replaced with 2-RS-PH-M123N1.3) This replacement was performed on Work Order 00273362-01 and completed on 03-30-94.

per DCP 84-05. This modification was performed on DCP 84-05 and completed on 10-03-94.

Interval 3 Repairs and Replacements

RR# 93-036, Replaced Main Steam System valve 2-MS-86. This replacement was performed on Work Order 00264628-01 and completed on 02/11/95

RR# 94-141, Replaced studs and nuts on Containment Spray System valve 2-CS-MOV-202A. This replacement was performed on Work Order 00280351-01 and completed on 2/19/95.

RR# 94-150, Replace bolting on Charging System valve 2-CH-MOV-2286A. This replacement was performed on Work Order 00267512-01 and completed on 01-20-95.

RR# 94-153, Replaced Pressurizer Safety Valve 2-RC-SV-2551A per DCP 92-44. This replacement was performed on Work Order 00287865-01 and completed on 06-17-94.

RR# 94-154, Replaced Pressurizer Safety Valve 2-RC-SV-2551B per DCP 92-44. This replacement was performed on Work Order 00287869-01 and completed on 06-13-94.

RR# 94-155, Replaced Pressurizer Safety Valve 2-RC-SV-2551C per DCP 92-44. This replacement was performed on Work Order 00287872-01 and completed on 06-13-94.

RR# 94-156, Replaced trim assembly on Charging System Flow Control Valve 2-CH-FCV-2160. This replacement was performed on Work Order 00260090-09 and completed on 06-13-94.

RR# 94-158, Repaired steam cut on secondary manway of Steam Generator 2-RC-E-1A. This repair was performed on Work Order 00286998-06 and completed on 06-14-94.

RR# 94-160, Replaced cap screws and nuts on support H-006 (11548-WMKS-0125A1). This replacement was performed on Work Order 00291611-01 and completed on 06-15-94.

RR# 94-161, Replaced fasteners on hydraulic control valve 2-RC-HCV-2556B. This replacement was performed on Work Order 00278195-01 and completed on 06-17-94.

RR# 94-164, Replaced Snubber 2-MS-HSS-33A. This replacement was performed on Work Order 00292634-01 and completed on 06-23-94.

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RR# 94-168, Replaced trim assembly on Main Steam System Pressure Control Valve 2-MS-PCV-202B. This replacement was performed on Work Order 00293168-01 and completed on 07-26-94.

RR# 94-169, Replaced trim assembly on Main Steam System Pressure Control Valve 2-MS-PCV-202A. This replacement was performed on Work Order 00294416-01 and completed on 07-26-94.

RR# 94-170, Replaced Charging System Valve 2-CH-258 (cut out existing valve and weld in new valve). This replacement was performed on Work Order 00296431-03 and complete on 08-11-94.

RR# 94-193, Replace bolting on Containment Spray System Valve 2-CS-7. This replacement was performed on Work Order 00299527-01 and completed on 12-11-94.

RR# 94-196, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-79. This modification was performed on Work Order 00303005-01 and completed on 02-10-95.

RR# 94-197, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-82. This modification was performed on Work Order 00303005-02 and completed on 02-10-95.

RR# 94-198, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-85. This modification was performed on Work Order 00303005-03 and completed on 02-10-95.

RR# 94-199, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-128. This modification was performed on Work Order 00303005-04 and completed on 02-05-95.

RR# 94-200, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-130. This modification was performed on Work Order 00303005-05 and completed on 02-05-95.

RR# 94-201, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-241. This modification was performed on Work Order 00303005-06 and completed on 02-05-95.

RR# 94-202, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-242. This modification was performed on Work Order 00303005-07 and completed on 02-10-95.

RR# 94-203, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-243. This modification was performed on Work Order 00303005-08 and completed on 02-10-95.

RR# 94-204, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-107. This modification was performed on Work Order 00303005-09 and completed on 02-05-95.

RR# 94-205, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-109. This modification was performed on Work Order 00303005-010 and completed on 02-05-95.

RR# 94-206, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-145. This modification was performed on Work Order 00303005-011 and completed on 02-10-95.

RR# 94-207, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-147. This modification was performed on Work Order 00303005-012 and completed on 02-05-95.

RR# 95-006, Replaced nuts, bolts, and bushing on Safety Injection System pipe support (line # 12"-SI-202-153). This replacement was performed on Work Order 00264668-01 and completed on 02/16/95.

RR# 95-012, Replaced Steam Generator Blowdown System valve 2-BD-3. This replacement was performed on Work Order 00294429-02 and completed on 02/14/95.

RR# 95-013, Replaced Steam Generator Blowdown System valve 2-BD-52. This replacement was performed on Work Order 00294755-02 and completed on 02/11/95.

RR# 95-016, Replaced Chemical and Volume Control System valve 2-CH-256. This replacement was performed on Work Order 00287820-01 and completed on 02-22-95.

RR# 95-017, Replaced Reactor Coolant System valve 2-RC-160. This replacement was performed on Work Order 00287792-02 and completed on 02/25/95.

RR# 95-019, Replaced studs and nuts on Chemical and Volume Control System valve 2-CH-MOV-2286A. This replacement was performed on Work Order 00308272-01 and completed on 02/21/95.

RR# 95-21, Replaced steam trap 2-MS-TD-9 on Main Steam System per design change DCP-93-064-3. This replacement was performed on Work Order 00295300-07 and was completed on 03/04/95.

RR# 95-25, Replaced bonnet capscrews on Main Steam valve 2-MS-176. This replacement was performed on Work Order 00287270-01 and was completed on 02/15/95.

RR# 95-26, Replaced bonnet capscrews on Main Steam valve 2-MS-178. This replacement was performed on Work Order 00293247-01 and was completed on 02/15/95.

RR# 95-028, Replaced the trim assembly on Chemical and Volume Control System valve 2-CH-HCV-2311. This replacement was performed on Work Order 00309986-02 and completed on 03/07/95

RR# 95-029, Replaced Reactor Coolant System pump 2-RC-P-1A seal housing bolts. This replacement was performed on Work Order 00292986-04 and completed on 02/28/95.

RR# 95-032, Replaced studs and nuts on Reactor Coolant System valve 2-RC-160. This replacement was performed on Work Order 00287792-01 and completed on 02/25/95.

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RR# 95-033, Replaced studs and nuts on Recirculation Spray System valve 2-RS-11. This replacement was performed on Work Order 00293322-01 and completed on 02/22/95.

RR# 95-034, Replaced studs and nuts on Residual Heat Removal system filter 2-RH-YS-1. This replacement was performed on Work Order 00294830-01 and completed on 02/21/95.

RR# 95-036, Replaced studs and nuts on Safety Injection System valve 2-SI-56. This replacement was performed on Work Order 00293330-01 and completed on 02/20/95.

RR# 95-039, replaced trim assembly on RHR valve 2-RH-HCV-2142. This replacement was performed on Work Order 00291877-01 and completed on 02/20/95.

RR# 95-040, Replaced studs and nuts on Residual Heat Removal System valve 2-RH-11. This replacement was performed on Work Order 00292623-01 and completed on 02/20/95.

RR# 95-043, Replaced Main Steam Valve 2-MS-120. This replacement was performed on Work Order 00310786-01 and was completed on 03/18/95.

RR# 95-044, Replaced studs and nuts on Residual Heat Removal System valve 2-RH-24. This replacement was performed on Work Order 00287800-01 and completed on 02/20/95.

RR# 95-045, Replaced Reactor Coolant System pump 2-RC-P-1B seal housing bolts. This replacement was performed on Work Order 00292987-04 and completed on 03/01/95.

RR# 95-046, Replaced disc in Main Steam System valve 2-MS-182. This replacement was performed on Work Order 00310619-01 and completed on 02/16/95.

RR# 95-049, Replaced bolting in secondary manway on Steam Generator 2-RC-E-1C. This replacement was performed on Work Order 00293035-01 and completed on 03/12/95.

RR# 95-050, Replaced Main Steam System orifice plate, studs and nuts on assembly 2-MS-FE-200. This replacement was performed on Work Order 00288621-01 and completed on 02/21/95.

RR# 95-064, Replaced Instrument Air System valve 2-IA-864. This replacement was performed on Work Order 00312402-02 and completed on 03/07/95.

RR# 95-066, Replaced rod in component support H-001 On drawing 11548-WMKS-RC-12Z5. This replacement was performed on Work Order 00313102-01 and was completed on 03/10/95.

RR# 95-075, Replaced studs and nuts on Reactor Coolant System valve 2-RC-SV-2551A. This replacement was performed on Work Order 00293314-01 and completed on 03/09/95.

RR# 95-076, Replaced studs and nuts on Reactor Coolant System valve 2-RC-SV-2551B. This replacement was performed on Work Order 00293315-01 and completed on 03/09/95.

RR# 95-077, Replaced studs and nuts on Reactor Coolant System valve 2-RC-SV-2551C. This replacement was performed on Work Order 00293316-01 and completed on 03/09/95.

RR# 95-078, Replaced studs and nuts on Chemical and Volume Control System valve 2-CH-MOV-2115B. This replacement was performed on Work Order 00313895-03 and completed on 03/13/95.

RR# 95-079, Replaced studs and nuts on Chemical and Volume Control System valve 2-CH-MOV-2115D. This replacement was performed on Work Order 00313901-03 and completed on 03/13/95.

RR# 95-083, Replaced the pin in the Main Steam System support 2-MS-HSS-35B. This replacement was performed on Work Order 00299563-02 and completed on 02/16/95.

RR# 95-084, Replaced the pin in the Main Steam System support 2-MS-HSS-29. This replacement was performed on Work Order 00298077-03 and completed on 02/16/95.

RR# 95-085, Replaced the pin in the Safety Injection System support 2-SI-HSS-26. This replacement was performed on Work Order 00294598-01 and completed on 03/01/95.

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FORM NIS-2 (Back)

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(12/82)	This Form (E0003		ned from the Ord	er Dept.	ASME. 345	E, 47th S	it., New York, N.	Y. 10017
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FORM NIS-2 (Back)

	Applicable Manufacturer's Data Reports to be attached
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	CERTIFICATE OF COMPLIANCE
We certify that the statements n	made in the report are correct and this Repeatances conforms to the rules of the
ASME Code, Section XI.	repair or replacement
N/A	
ype Code Symbol StampN/A	
N/A	N/A
Certificate of Authorization No.	Expiration Date
Owner or Ownerd Designee, Tit	TSI ENGINEER Date MAY 12 19 94
	CERTIFICATE OF INSERVICE INSPECTION
	ission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
or Province of Virginia	ission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta _and employed byHSBI & I Co
or Province of <u>Virginia</u> Hartford, CT	ission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by HSBI & I Co
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1.	Owner Vikaini	a Enteraire	AND POWER	e Co.	Date 10/8/	/23		
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2.		Paule Name	- .	·	Unit <u>Infe</u>			
	1	Name:			Wo# 00.	2656	637-01	
		Vielovia	`		Repair Organ Type Code Symbol S	ization P	.O. No., Job No.,	etc.
3.		_	1401116		Authorization No		18	
	7.0. Box.	315, Sures	1, VA. 230	883	Expiration Date	//	la	
4.	Identification of Sys	stem <u>REACTOR</u>	2 Coolass					
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	Name of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced,	Stamped (Yes
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
			1 , .			<u>-</u>		
<u> </u>	Stubs (1249)	UNENOWN	UNIKNOWA	ula	2-RC-SV 2551.4	NB	REJORCES	NO
	NATS (24ta)	MUDUAN	INENDERO	wla	2-20-50-25514	NID	REPERCES	100
			· -					
	Sruss (REA)	Nova Maint	21059044	NA	2-20-51-25514	NA	PEDERI ENLOY	NO
	Nus (24 Es)	Answest Sound	Hr#Cisx267fine	ula	2-20-51-25511	NA	le ir nosmen;	- 100
7.	Description of Work	Remove /	Tese / Res	and 5%	Elty Vande			
8.			eumatic No					
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	tion in items 1 thro	tal sheets in form of ough 6 on this report of this form,	is included on e	r drawings may each sheet, and	be used, provided (1) (3) each sheet is numl	size is 8½ bered and	in. x 11 in., (2) i d the number of s	nforma- sheets is
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Remarks	FORM NIS-2 (Back) -422403(5) - Strads
PO# CSY.	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We certify that the state ASME Code, Section XI.	ntements made in the report are correct and this Albacement conforms to the rules of the repair or replacement
Type Code Symbol Stamp Certificate of Authorization No.	N/A Expiration Date N/A ST ENGINEER Date Oct. 8, 19.93
Owner or Owner's Desi	ignee, Title
or Province of VIZGINIA	CERTIFICATE OF INSERVICE INSPECTION id commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Standard employed by #535 + 20. have inspected the components descri
in this Owner's Report during to the best of my knowledge and	the period 5-1-90 to 5-10-94, and state to the period to 5-10-94, and state to the delief, the Owner has performed examinations and taken corrective measures described in with the requirements of the ASME Code, Section XI.
examinations and corrective me	either the Inspector nor his employer makes any warranty, expressed or implied, concerning easures described in this Owner's Report. Furthermore, neither the Inspector nor his emplor rany personal injury or property damage or a loss of any kind arising from or connected with
Inspector's Signate.	Commissions National Board, State, Province, and Endorsements 19 9 3

						Ric # 93-	<u> </u>
1. Owner Vikting	A ELETRIC Name	AND POWE	e Co.	Date 10/8/	23		
5000 Daningo	N BAND. GALA	Auto, Va	23060	Sheet or		-	
2. Plant Suday	Paulea S	MILEN	· . '	Unit Two			
	Suzzy V Address		<u></u>	WO# 00	2 <i>65 6</i> Dization P	640-02 .O. No., Job No.,	etc.
3. Work Performed by	Victoria	Name	 ·	Type Code Symbol S		NA	
P.O. Box	315, Suce	1, VA. 23	883	Authorization No Expiration Date		la	
4. Identification of Sy	WGGIGSS 1	_	, ,				
5. (a) Applicable Cons(b) Applicable Edit6. Identification of Cons	ion of Section XI Uti	lized for Repairs	· · · · · · · · · · · · · · · · · · ·	19 <i>80 W80</i>	ldenda,	N-1, N->	Code Cas
<u> </u>	3.6	Anderson of the property	in a fine pa				ASME
		· casternal -		Burn		Repaired,	Code Stamped
·Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
			- 1,100				
STUDS (12 EA)	UNTENOWN	v/A	· N/p	2-RC-SV-2551B	NIB	RELENES	NO
Nuts (zy EA)	UPENOWN	NA	NA	2-RC-SV-2551B	u la	PLAMEES	100
		* * * * *					
STUBS (12 EA)	Abus Macant	107# 34059044	u la	2-21-51-25513	وار	REMACLMENT	NO
Nu-5 (242A)	Hoesware Steams	HPC6X267	ula	2-26-51-25518	ulg	REpasitules.	- NO
. Description of Work	Remove	Test R	Part 5	stay VALL	E		
•			ominal Operating Test Temp.	— .	¥^ .		
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ASME Code, Section XI.	ents made in the report	. are correct ar		replacement	ins to the fales of the
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Type Code Symbol Stamp	—.—.—.			<u> </u>	
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Certificate of Authorization No	11 /12	E	xpiration Date	110	
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Signed W. G. Company Signed Owner or Owner's Designed	ISI ENGIN	ELN	Date(Det. 8	, 19 <u>_\$</u> }
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	CERTIFICATE				
I, the undersigned, holding a valid co				nd Pressure Vessei Ir	nspectors and the Stat
or Province of Vincering	and employed by	<u> </u>			0
- HALLTROKS, CT		1- 90		ive inspected the o	components describe
in this Owner's Report during the		<u>,- (~ 70</u>	·v		, and state the
to the best of my knowledge and b				taken corrective me	asures described in th
Owner's Report in accordance with				· .	
By signing this certificate neither					
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Date	19				

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Serial Number: 95-168 Docket Number: 50-281 Page 51 of 127

	As Requ	ired by the Prov	isions of the	ASME Code Sectio	n XI	RR# 93-1	14/8
1. Owner Viklaini	g Edetaic Name	AUS POWER	Co.	Date	93		
5000 Downing			23060	Sheet	of		
2. Plant Sugay				Unit Two	/ i		
P.O. Box 31.	Sundy W	19. 23883		WO # OOG Repair Orga		265641-02 .O. No., Job No.,	etc.
3. Work Performed by	Visaining	Name		Type Code Symbol	Stamp	NA	
7.0. Box.	315, Sures	1, Vp. 238	183 <u> </u>	Authorization No Expiration Date		1	
4. Identification of Sys	stem <i>Renero</i> e	Coeps	- '				
5. (a) Applicable Cons (b) Applicable Editi					ddenda,_	N-1, N-3	_Code Case
6. Identification of Co	mponents Repaired o	or Replaced and R	eplacement Cor	nponents			
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)
STUDS (12 EA)	UNENOW	NA	NA	2-RC-SV-2551 C	NA	Alpences	NO
Moss (2420)	UNIZNOWN	nla	N/A	2-AC-5V-255/C	NA	REPERCES	NO
		Lort					
Sruss (12 20)	Mis Haust	34055044	V/A	2-20-54-25510	NA	REJEDIEMENT	NO
Moss (248A)	Masware Szeciaszy	WOE	NIA	2-RC-5V-2551C	NA	LEpenie welv	100
7. Description of Work	Remort 1	Test Re	Junet 5	MEZTY VA	V.L	σ.,	<u>-</u>
		eumatic Nor	minal Operating Test Temp,	Pressure F			
	ugh 6 on this report			be used, provided (1) (3) each sheet is num			

FORM NIS-2 (Back) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this desired conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp **Expiration Date CERTIFICATE OF INSERVICE INSPECTION** I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Victinia and employed by HSBF & I Co. HARTFORS, CT. have inspected the components described 5-10-94 in this Owner's Report during the period. to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions. National Board, State, Province, and Endorsements 0-18 19 93

Date

Serial Number: 95-168 Docket Number: 50-281 Page 52 of 127

REPRINT 12/91

1. Owner Virginia Electric and Power Co.	Date 6/1/94
Name	Date
5000 Dominion Blvd., Glen Allen, VA 23060	Sheet of /
Address	_
2. Plant Surry Power Station	Unit /wb
P.O. Box 315, Surry, VA 23883	40# 265690-01 PR#93-154
Address	Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power	Type Code Symbol Stamp N/A
Name	Authorization NoN/A
P.O. Box 315, Surry, VA 23883	Expiration Date N/A
4. Identification of System Percon Coolant	
5. (a) Applicable Construction Code B31-1 1967 Edition (b) Applicable Edition of Section XI Utilized for Repairs or Replacement	N/A Addends, N-1, N-7 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	nts, 19 80 W80
A CONTROL OF THE PROPERTY OF T	建备输品的 镇美 "","我有了一点。
6. Identification of Components Repaired or Replaced and Replacement C	omponents
The state of the s	AND THE RESERVE OF THE PARTY OF
	ASME Code
National	Code Repaired, Stamped
Name of Name of Manufacturer Board	The Other Year Replaced, (Yes
Component Seriel No. No. No. No.	Identification Built or Replacement or No.
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7. Description of Work	The state of the s
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8. Tests Conducted: Hydrostatic Pressure NO psi Test Temp:	
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NOTE: Supplemental sheets in form of lists, sketches, or drawings me	
tion in items 1 through 6 on this report is included on each sheet, an	
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FORM NIS-2 (Back)

Applicable Mi	anufacturer's Data Reports to be attached
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CERTIFIC	CATE OF COMPLIANCE
	port are correct and this Relational conforms to the rules of the
ASME Code, Section XI.	repair or replacement
	- 18
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Type Code Symbol Stamp	
N/A	n/A
Certificate of Authorization No.	Expiration Date
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Signed W- W-Rosen ISI L. Owner or Owner Designee, Title	Date Jours 1 19 84
Owner or Owner & Designee, Title	TE OF INSERVICE INSPECTION
Owner or Owner Designee, Title CERTIFICAT I, the undersigned, holding a valid commission issued by	TE OF INSERVICE INSPECTION the National Board of Boiler and Pressure Vessel Inspectors and the Sta
Owner or Owner Designee, Title CERTIFICAT I, the undersigned, holding a valid commission issued by	TE OF INSERVICE INSPECTION the National Board of Boiler and Pressure Vessel Inspectors and the State of the United States of the States of th
CERTIFICATI I, the undersigned, holding a valid commission issued by or Province of Virginia and employed	TE OF INSERVICE INSPECTION the National Board of Boiler and Pressure Vessel Inspectors and the State by HSBI & I Co. O1 - 70 RIC have inspected the components described.
CERTIFICAT I, the undersigned, holding a valid commission issued by or Province of Virginia and employed Hartford, CT in this Owner's Report during the period	TE OF INSERVICE INSPECTION the National Board of Boiler and Pressure Vessel Inspectors and the State by HSBI & I Co. OI - FOR PROMOTE Inspected the components described to STORTE and state the state of the state
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Serial Number: 95-168 Docket Number: 50-281 Page 53 of 127

		, /	
1.	Owner Virginia Electric and Power Co.	Date 6/1/94	
	5000 Dominion Blvd., Glen Allen, VA 23060	Sheetof	
	Address		
2.	Plant Surry Power Station	Unit	
	P.O. Box 315, Surry, VA 23883	WO# 00 263 823-01, RR#93-15	7
	Address	Repair Organization P.O. No., Job No., etc.	_
3.	Work Performed by Virginia Power	Type Code Symbol Stamp N/A	
	P.O. Box 315, Surry, VA 23883	Authorization No. N/A	
	Address	Expiration Date N/A	
4.	Identification of System (Hences Au) Vocant Cont.	Rol	
	R31 167	N/A N-1 N-7	
5.	(a) Applicable Construction Code B31-1 967 Edition	N/A Addenda N-1, N-7 Code	Cass
	(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	िमेल्स मिल् का अल्ल	
6.	Identification of Components Repaired or Replaced and Replacement Co	mponents	
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	National	Repaired, Stamp	
	Name of Name of Manufacturer Board Component Manufacturer Serial No. No.	Other Year Replaced, (Ye Identification Built or Replacement Or N	
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	Nur; Box Calve. Q2293A MA	2-CH-P-IA N/A REMARKENT NO	2_
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7.	Description of Work KEPENCE DISCHARBE FLANDE	Borrus	
В.	Tests Conducted: Hydrostatic Preumatic Nominal Operating	ng Pressure	
	Other Pressure psi Test Temp.		
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	NOTE: Supplemental sheets in form of lists, sketches, or drawings may tion in items 1 through 6 on this report is included on each sheet, and		
	recorded at the top of this form.	The state of the s	1
	The state of the s		,
(12	2/82) This Form (E00030) may be obtained from the Or	rder Dept., ASME, 345 E. 47th St., New York, N.Y. 100	17

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Acros Conforms to the rules of the ASME Code, Section XI. N/A Type Code Symbol Stamp N/A N/A _Expiration Date Certificate of Authorization No. CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by HSBI & I Co. or Province of Virginia Hartford, CT in this Owner's Report during the period. to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. VA 543 National Board, State, Province, and Endorsements

Serial Number: 95-168 Docket Number: 50-281 Page 54 of 127

	As Requi	red by the Prov	isions of the	ASME Code Sectio	n XI	RE#	3-20
. Owner <u>Virgini</u>	Name			Date			
5000 Domini	on Blvd., Gl	en Allen,	VA 23060	Sheet	of	 -	
Plant Surry P	ower Station			Unit Two			
P.O. Box 31	.5, Surry, VA	23883		100 4 0027 Repair Orga	<u> </u>	<i>روندور (المورز (</i> O. No., Job No.,	7352-0
Work Performed by	Virginia Pow	er		Type Code Symbol	Stamp	N/A	
	.5, Surry, VA	Name		Authorization No.		N/A	
	Address Reactor		NT	Expiration Date <u>N</u>			
(a) Applicable Cons (b) Applicable Editi	ion of Section XI Util	ized for Repairs	or Replacement	19 <u>80 W80</u>	ddenda, <u>R</u>	/-1, N-7	Code Case
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)
MANUSY TUDS (11EA)	Westwhitouse	Spin # RCPCS6	NA	2-RC-E-1C	NA	REPERCES	NO
MANWAY STUDS (NEA)	Messing verist	SPIN # RCPCSG	Nh	2-RC-E-1C	NA	Reseasion	NO
Description of Work Tests Conducted:	•	umatic No	minal Operating	Pressure D	57445		
NOTE: Supplement	tal sheets in form of ough 6 on this report	lists, sketches, o	r drawings may	be used, provided (1)	size is 8½ nbered and	in. x 11 in., (2) id the number of	nforma- sheets is
2/82)	This Form (E0003)) may be obtain	ed from the Ord	er Dept., ASME, 345	E. 47th S	t New York, N.	Y. 10017

FORM NIS-2 (Back)

Remarks PO T SWY-	278990 (i_{o}	Superior to the passet is
	Applicable Manuf	acturer's Data Repor	ts to be attached
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	nts made in the report a		Charles Conforms to the rules of the pair or replacement
ASME Code, Section XI.		70,	yan or repracement
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27	/a	ī	
Type Code Symbol Stamp N/	A .	'	the state of the s
	. / .		7/3
Certificate of Authorization No	I/A	Expiration	n Date N/A
$\bigcap D$		•	
Signed 41-6 doese		Garal Date	Dec. 15 19 93
Owner or Owner Designed	, Title		
	CERTIFICATE O	F INSERVICE INSP	ECTION
I the undersigned, holding a valid co	mmission issued by the N	National Board of Bo	iler and Pressure Vessel Inspectors and the State
or Province of Virginia	snd employed by	HSBI & I Co.	of
Hartford, CT			have inspected the components described
in this Owner's Report during the	period	5-1-90 10.	.5-10-94 and state that
•			•
· ·	•		s and taken corrective measures described in this
Owner's Report in accordance with the		·	
By signing this certificate neither	the Inspector nor his e	mployer makes any	warranty, expressed or implied, concerning the
examinations and corrective measur	s described in this Ow	ner's Report, Furth	ermore, neither the inspector nor his employe
shall be liable in any manner for any	personal injury or prope	erty damage or a loss	of any kind arising from or connected with this
inspection.	\bigcirc -		
(2) D + P	120		F.40
loten d.	Cocer Co	mmissionsVA	
Inspector's Signati	110	Nation	nal Board, State, Province, and Endorsements
. ^	- 00		
Date	_19 <u>_7_</u>		

Serial Number: 95-168 Docket Number: 50-281 Page 55 of 127

1. Owner <u>Virgi</u>	nia Electric	and Power C	<u>.</u>	Date	13/93		
5000 Domi	Namo nion Blvd., G	len Allen,	VA 23060	Sheet	s /	•	
	Address				,		
2. PlantSurry	Power Station	<u>, </u>		Unit Two			
P.O. Box	315, Surry, V	A 23883		Wo# 0027	2610	-01, RR#	93-20
	Address	707					etc.
3. Work Performed	by Virginia Por	Name		Type Code Symbol Authorization No.	Stamp	N/A	
P.O. Box	315, Surry, V	A 23883		Expiration Date_N	/A		
4 Identification of	System <u>FEEDWA</u>	540					
						······································	
5. (a) Applicable C	onstruction Code B	19	67 Edition,	N/A	ddenda, N	-1, N-7	Code Case
(b) Applicable E	lition of Section XI Ut ا از میکاند	ilized for Repairs	or Replacements	19 <u>80' W8U</u>	٠.	. •	
6. Identification of	Components Repaired	or Replaced and f	Replacement Con	nponents	•		
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		1	1	ļ			ASME
			National	1117		Repaired,	Code Stamped
Name of	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
Component	Wight decition 7,	301101100		dentification	Built		
<u> </u>		1	,			,	
VALVE	CONVAL	1262-105	NA	2-FW-67	NA	REPARCI	NO
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7. Description of Wo	rk REPAIR W	ELD AT	VALVE ((4)			
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8. Tests Conducted:	Hydrostatic Procesure_		minal Operating Test Temp:	rressure°F	a - 1		
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NOTE: Supplem tion in items 1 the recorded at the to	ental sheets in form on arough 6 on this report op of this form.	f lists, sketches, o	or drawings may beach sheet, and (pe used, provided (1) 3) each sheet is num	size is 8½ nbered and	in. x 11 in., (2) i I the number of:	nforma- sheets is
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(12/82)	This Form (E000)	30) may be obtain	ed from the Orde	Pr Dept., ASME, 345	E. 47th S	t., New York, N.	7. 10017

FORM NIS-2 (Back)

Remarks			4 41 5 5	<u> </u>	
	Applicable Mai	nufacturer's Deta	Reports to be attac	ched	
					
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	<u> </u>			· · · · · · · · · · · · · · · · · · ·	·· .
;		· *			I
	CERTIFICA	ATE OF COMPL	ANCE		
We certify that the statem ASME Code, Section XI.	ents made in the repo	rt are correct and	this <u>Property</u>	conforms to the	he rules of the
Type Code Symbol StampN	/A		,		
Certificate of Authorization No	N/A	Ex	piration Date:	N/A	
Signed D. H. Jours J Owner or Owner's Designe	SI ENGINE	en	Date DEC	. 13	_, 19 <i>_9}</i>
	CERTIFICATE	OF INSERVICE	INSPECTION		
I, the undersigned, holding a valid co or Province of <u>Virginia</u>	mmission issued by the	he National Boar	d of Boiler and Pres	sure Vessel Inspecto	rs and the State
Hartford, CT		nte -		pected the compo	
in this Owner's Report during the				•	and state the
to the best of my knowledge and b	•			corrective measures o	described in thi
Owner's Report in accordance with t	•	•			
By signing this certificate neither examinations and corrective measure			· · · · · · · · · · · · · · · · · · ·		
shall be liable in any manner for any		•	•	-	• •
inspection.	, , ,				
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Toler d.	Woder.	. Commissions	VA 543		
inspector's Signat	ure		National Board, St	ate, Province, and E	naorsements
Date 12-14_	19 93				

Serial Number: 95-168 Docket Number: 50-281 Page 56 of 127

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 and Power Co. Name 5000 Dominion Blvd., Glen Allen, VA 23060 Sheet 1 of 2	
Neme / '	
5000 Dominion Blvd., Glen Allen, VA 23060 chase (of //	
Address	
2. Plant Surry Power Station Unit 2	
P.O. Box 315, Surry, VA 23883 W.O# 0027336Z-01 7272	# 94-174
Address Repair Organization P.O. No., J	ob No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A	
Name Authorization NoN/A	
P.O. Box 315, Surry, VA 23883 Expiration Date N/A	
Address	
4. Identification of System RESEARCH SOZAII	
	_
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N-1, N	-7Code Case
(b) Applicable Edition of Section XI Utilized for Repairs on Replacements 1980W80	
والمراجع	
6. Identification of Components Repaired or Replaced and Replacement Components	
	ASME
	Code
l little	eired, Stamped
Name of Name of Manufacturer Board Other Year Rep	laced, (Yes
Name of Name of Manufacturer Board Other Year Rep Component Manufacturer Serial No. No. Identification Built or Rep	
Name of Name of Manufacturer Board Other Year Rep	laced, (Yes
Name of Name of Manufacturer Board Other Year Rep Component Manufacturer Serial No. No. Identification Built or Rep	laced, (Yes lacement or No)
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Name of Component Name of Manufacturer Serial No. No. Identification Built or Repl Hex Nut 2 NA NA NA 2-RS-PH - M123N2.5 NA Repl STUD 2 NA	laced, (Yes lacement or No)
Name of Component Name of Manufacturer Serial No. No. Identification Built or Repl Hex Nut 2 NA NA NA 2-RS-PH - M123N2.5 NA Repl STUD 2 NA	laced, (Yes or No)
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Name of Component Name of Manufacturer Board Other Year Rep or Repl Hex Nut 2" NA NA NA 2-RS-PH-MI23N2.5 NA REPL STUD Z NA NA 1993 Hex Nut ½" NOVA 1993 STUD Z	ACED NO
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Name of Component Name of Manufacturer Serial No. No. Identification Built or Repl Hex Nut 2 NA NA NA 2-RS-PH - MI23N2.5 NA Repl STUD 2 NA NA NA 1993 ReplA STUD 2 NOVA 1993 ReplA STUD 2 NOVA 1993 ReplA STUD 2 NOVA 1993 Fig. 8-268 Spring (an) Grinnell Size 4 NA NA Repl 7. Description of Work ReplACE THREADED ROD AND NUTS ON COMPONENT Support SPRING CON NOR ONE PROM ANOTHER LOCATION 8. Tests Conducted: Hydrostatic Pneumatic: Nominal Operating Pressure Other Pressure psi Test Temp.	ACED NO
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(12/82) Th

FORM NIS-2 (Back)

Remarks NT 449104 (Hex Nut 2")	
	cturer's Date Reports to be attached
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CERTIFICATE	OF COMPLIANCE
	re correct and this State of the conforms to the rules of the
ASME Code, Section XI.	
- N/A	
Type Code Symbol StampN/A	The state of the s
Certificate of Authorization No. N/A	Expiration Date N/A
000	
Owner or Owner's Designee, Title	CAR Date April 18 1954
CERTIFICATE O	FINSERVICE INSPECTION
I, the undersigned, holding a velid commission issued by the for Province of Virginia and employed by	National Board of Boiler and Pressure Vessel Inspectors and the State RSBI & I Co.
Hartford, CT	have impressed the companion described
in this Owner's Report during the period	5-1-90 to 4-10-94 and state the
to the best of my knowledge and belief, the Owner has perf Owner's Report in accordance with the requirements of the A	formed examinations and taken corrective measures described in this CALC Code. Service VI
	imployer makes any warranty, expressed or implied, concerning th
	mer's Report. Furthermore, neither the Inspector nor his employe
	erty damage or a loss of any kind arising from or connected with thi
Polant J. Corder	VA 543
Inspector's Signature	National Board, State, Province, and Endorsements:
	• •

Serial Number: 95-168 Docket Number: 50-281 Page 57 of 127

Plant Surry P	ower Station Name 5, Surry, VA			Unit 2 Lu, 0, # 602733	362-01	Rgt	194-1
	Address		i	Repair Organ	ization P.	O. No., Job No., (ne.
Work Performed by	Type Code Symbol Stamp N/A Authorization No. N/A						
P.O. Box 31	5, Surry, VA	23883		Expiration Date NA			
Identification of Sys		Sprau					
		. 0					
(a) Applicable Cons	truction CodeB3	1.1 19.14 * 3 3 3 9	67 Edition,	N/A Ad	idende, <u>N</u>	i-1, 11-7	Code Cı
(b) Applicable Edit	ion of Section XI Util	lized for Repairs	or Replacements		, '	;	
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Name of Component	Name of Manufacturer	Manufacturer Seriel No.	Boerd No.	, Other Identification	Year Built	or Replacement	or No
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		FIG B-268	 		<u> </u>	<u> </u>	,
Spring CAN.	GRINNELL	SIZE 5	· · · · · · · · · · · · · · · · · · ·	1-RS-PH-M123N1.3	MA	REPLACEMENT	MO
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Description of Worl		neumatic	Ominal Operating	Fiz			700

FORM NIS-2 (Back).

Applicable Manufactu	urer's Data Reports to be attached	
CERTIFICATE O	F COMPLIANCE	
We certify that the statements made in the report are of	correct and this Reduced or replacement	canforms to the rules of the
ASME Code, Section XI	, copin propincial	••••
• •	* (*).	
Type Code Symbol StampN/A	, 'I'	
Type Code Symbol Stamp		
Certificate of Authorization No. N/A	Expiration Date	I/A
		
Signed Let Longes TST Long 18 LES 18 LES	C Date Paper	. 19.27.
CERTIFICATE OF I	NSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the Nation Province of Virginia and employed by HS		Vessel Inspectors and the Sta
Hartford, CT	have_inspec	ted the components describe
	1-90 to 5-10-94	ted the components describe
in this Owner's Report during the period	med examinations and taken corr	
in this Owner's Report during the period	med examinations and taken corr ME Code, Section XI.	ective measures described in th
to the best of my knowledge and belief, the Owner has perfor Owner's Report in accordance with the requirements of the ASI	med examinations and taken corr ME Code, Section XI. ployer makes any warranty, expr	ective measures described in the
to the best of my knowledge and belief, the Owner has perfor Owner's Report in accordance with the requirements of the ASP By signing this certificate neither the Inspector nor his emi	rmed examinations and taken corr ME Code, Section XI. ployer makes any warranty, expri ar's Report. Furthermore, neither	ective measures described in the issed or implied, concerning to the Inspector nor his employ
in this Owner's Report during the period	med examinations and taken corr ME Code, Section XI. ployer makes any warranty, expr er's Report. Furthermore, neither ty damage or a loss of any kind ari	ective measures described in the issed or implied, concerning to the Inspector nor his employ
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Serial Number: 95-168 Docket Number: 50-281 Page 58 of 127

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

							
1/20				Date 9/29/94	/		
1. Owner VIRGIN	National Nat	<i>PNY / OWER</i> THE		Date 7/49/19	<u>/</u>		
Cons.)			1. 22000		. 1		
5000 Dayi	MON OLVO.	the Heeter,	A. 25060	Sheet	of		
_	1			- / ₁ ,		X.	
2. Plant Sure	y Tower	STATION	- +	Unit <u>Two</u>		`	
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P.O. Box.	3/15 SURA	y, VA. 230	<u>883 </u>	DCP 84-C	-in-china 5	0.01-	
				Hepair Orga	inization P	.O. No., Job No.,	etc.
3. Work Performed by	VA. To	WER	* *	Type Code Symbol	Stamp	NB	
> 0 1	4	✓ Name /	_	Authorization No.	_, N/A	· <u> </u>	
P.O. Bo	x 3/5, 5	LERY, VA.	<u>23883</u>	Expiration Date	12		
•	200108				•	•	
4. Identification of Sy	stem	Y INTEC	TON				
		/		,			
5. (a) Applicable Con	struction Code $oldsymbol{\mathcal{B}}$	19	62 Edition,	N/AA	ddenda, _	N-1 N-7	Code Case
(b) Applicable Edit	ion of Section XI	Utilized for Repairs	or Replacements		11		
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B. Tests Conducted:	N 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Pneumatic N	201 201 401	· · —			١.
	Other Pressur	e <u>/.2.5 x &96./</u> psi		AI SOF		\$ 1 ² 1 *	
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(12/82)

9. Remarks NovE		A CONTRACTOR OF THE STATE OF TH
	Applicable Manufacturer's C	Data Reports to be attached
i •	1	
We certify that th ASME Code, Section XI.	CERTIFICATE OF COM e statements made in the report are correct	and this <u>Repair or replacement</u> conforms to the rules of the repair or replacement
Type Code Symbol Stamp_	NA	
Certificate of Authorization Signed Owner or Owners	en ISI ENGINE	Expiration Date WM
or Province of VIRGIN HARTFORD CT in this Owner's Report dur to the best of my knowledge Owner's Report in accordant By signing this certificate examinations and corrective shall be liable in any manner inspection.	and employed by HSBL ing the period 5-78-6 is and belief, the Owner has performed exce with the requirements of the ASME Code e neither the Inspector nor his employer remeasures described in this Owner's Rep	oard of Boiler and Pressure Vessel Inspectors and the State of Po Pie have inspected the components described to 5-10-17-94 Rie, and state that aminations and taken corrective measures described in this e, Section XI. makes any warranty, expressed or implied, concerning the fort. Furthermore, neither the Inspector nor his employer ge or a loss of any kind arising from or connected with this
Date	10-3 19 94	

Serial Number: 95-168 Docket Number: 50-281 Page 59 of 127

=									
1.	Owner Virgin:	ia Electric a	and Power C	'o	Date 3/30/95	5			
••		Name							
	5000 Dominion	Blvd., Glen Aller	va. 23060	<u> </u>	Sheet1	of1			
2.	Plant Surry P	ower Station			Unit Two				
	5570 Hog Islan	nd Rd., Surry, Va.	. 23883		WO#00264628-01,		6 .O. No., Job No.,		
					,,,opa,, 018,		•		
3.	Work Performed by	Work Performed by Virginia Power Name				l Stamp	NA NA	<u> </u>	
			1481116		Authorization No. <u>NA</u> NA				
		Same as above			Expiration Date		NA		
		Address		4 4					
4.	Identification of Sy	stem Main S	iteam						
					1				
5.	(a) Applicable Cons	struction CodeB31	.119	55Edition,	NA	Addenda,_	N-1, N-7	_Code Case	
		ion of Section XI Uti							
	(5) ((p)::022:0 = 3::0		•		,				
6	Identification of Co	mponents Repaired o	or Replaced and F	lenlecement Con	nnonente				
О.	Identification of Co	mponents riepaned t	or replaced and r	'	пропента				
		<u> </u>	. 201	170	1	T	1	Τ	
								ASME	
			1.0597	•			}	Code	
ŀ				National		:	Repaired,	Stamped	
ĺ	Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes	
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)	
	•								
L				<u> </u>					
	Valve	NA.	NA	NA	2-MS-86	NA	Replaced	No	
┢			1				· · · · · · · · · · · · · · · · · · ·		
	Valve	Anchor Darling	Ht.#V5244	NA	2-MS-86	NA	Replacement	No	
-		· · · · · · · · · · · · · · · · · · ·				 			
-	Pipe	Hub, Inc.	Ht.#N25841-US	S NA	2-MS-86	NA	Replacement	No No	
_									
<u> </u>						<u> </u>			
7.	Description of Work	Replace valve.							
						_			
8.	Tests Conducted:	Hydrostatic Pn	eumatic 🗔 - No	minal Operating	Pressure				
٥.		Other Pressure_							
			7:.97 P31	, 551 (Gillp,					
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					housed presided /4				
	NOTE: Supplement	tal sheets in form of	lists, sketches, o	r drawings may f	be used, provided (1) size is 8% mbered ea	i in, x 11 in., (2) i d the number of :	ntorma- cheete ic	
	NOTE: Supplemention in items 1 throrecorded at the top	ough 6 on this report	lists, sketches, o t is included on e	r drawings may f ach sheet, and (be used, provided (1 3) each sheet is nu	nbered an	tin. x 11 in., (2) i d the number of	sheets is	

Remarks <u>PO#CNT_33</u>	1117 (valve)	, PO# SSY 37	74812 (pipe)	. a 2	<u> </u>
3.7	Applicable	Manufacturer's Dat	a Reports to be attac	hed	
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Cope CASE	aluis tim				
CODE CASE	N416-1 AP	DLIES.	 		
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	CERTIE	FICATE OF COMPL	LANCE		
AAA			1		
We certify that the stat	ements made in the r	eport are correct an	repair or replacement		the rules of the
ASME Code, Section X1.		•	repair or reprac	ement .	
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	And the second				•
	NA .				3
Type Code Symbol Stamp	IVA			· · · · · · · · · · · · · · · · · · ·	
•					
Certificate of Authorization No	NA	E	xpiration Date	NA_	
Owner or Owner's Designed	nee, Title		DateDate		, 19 <i>_2g</i>
			<u> </u>	<u> </u>	
	CERTIFICA	ATE OF INSERVIC	E INSPECTION		
, the undersigned, holding a valid	d commission issued t	y the National Boa	rd of Boiler and Pres	sure Vessel Inspec	tors and the Sta
or Province of Virginia	and employe	ed by	HSBI and I	Co.	
Hartford,	Ct.				
		5-10-9	4 to 5-10-4	pected the comp	
n this Owner's Report during t	he period	7 10-1	7_to		_, and state th
to the best of my knowledge and	d belief, the Owner h	as performed exam	inations and taken c	orrective measure	s described in th
Owner's Report in accordance wit	th the requirements o	of the ASME Code.	Section XI.		
•	• •	•	i,		
By signing this certificate neith					
examinations and corrective mea	asures described in t	his Owner's Report	t. Furthermore, neit	her the Inspector	nor his employ
hall be liable in any manner for	any personal injury of	or property damage	or a loss of any kind	arising from or co	nnected with th
nspection.	_				
O ^ 0	$\cap \cap$				
12.12 # T	(Under		Va.	543	
Inspector's Sig	Lastura	Commissions	National Board, Sta		Endorromento
mapacior's 3ig		•	IVational Board, St	ite, Province, and	Elidorsements
		•			
Date. 4-3	19 <u>_95</u>				

Serial Number: 95-168 Docket Number: 50-281 Page 60 of 127

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

1.	Owner Virgin	ia Electric a Name		0.	Date 3/20/95	j		
	5000 Dominion	Blvd., Glen Aller	n, Va. 23060	1 .	Sheet1	of 1		
		Address			Sheet	01		
2.	Plant_Surry E	Power Station			Unit Two			
		Name		$\epsilon_{ij} = \epsilon_{ij} = \epsilon_{ij}$	280351	LR 3/21/5.	5	
	5570 Hog Islan	nd Rd., Surry, Va	. 23883		WO#00 200272 -01,	RR#94-14	1	
		Address		'	Repair Orga	nization P	.O. No., Job No.,	etc.
		Virginia Powe:	r				NA	
3.	Work Performed by	/			Type Code Symbol	Stamp		·
			Name		Authorization No.	NA		
	,	Same as above			Expiration Date		NA	
		Address						
_								
4.	Identification of Sy	stem Conta	inment Spray					
5,	(a) Applicable Con	struction CodeB3:	<u>1.1</u> 19,	55 Edition,_	NA A	Addenda,_	N-1, N-7	Code Case
		tion of Section XI Ut				-		
	(b) Applicable Edit			o, 110p120011101110	, , ,			
		•		*				
6.	Identification of Co	omponents Repaired	or Replaced and R	leplacement Con	nponents			
Г			21 1 3 5 5 6	٠.	,			
								ASME
1			1.11	i i		,		Code
		1		National			Repaired.	Stamped
	N	Alama ad	Manufactura		Other	V	Replaced,	(Yes
l	Name of	Name of	Manufacturer	Board	Other	Year	or Replacement	1
l	Component	Manufacturer	Serial No.	No.	Identification	Built	Or mapracement	0. 110,
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	_		ľ		1 .	İ		
			l NA	NA	2-CS-MOV-202A	NA.	Replaced	No
1	Studs	NA	NA !			1	_	
		NA	NA NA					
	Nuts	NA NA	NA NA	· · · NA	2-CS-MOV-202A	NA.	Replaced	No
			.,	NA NA	2-CS-MOV-202A		Replaced	No
			NA.	NA NA	2-CS-MOV-202A		Replaced	No
		NA	.,	NA	2-CS-MOV-202A		Replaced Replacement	No No
	Nuts		NA Ht. Code NAV	`		NA	-	
	Nuts Studs	NA Mackson, Inc.	NA Ht. Code NAV Ht.#50035	NA NA	2-CS-MOV-202A	NA NA	Replacement	No
	Nuts	NA	NA Ht. Code NAV	`		NA	-	
	Nuts Studs	NA Mackson, Inc.	NA Ht. Code NAV Ht.#50035	NA NA	2-CS-MOV-202A	NA NA	Replacement	No
	Nuts Studs	NA Mackson, Inc.	NA Ht. Code NAV Ht.#50035	NA NA	2-CS-MOV-202A	NA NA	Replacement	No
	Nuts Studs	NA Mackson, Inc.	NA Ht. Code NAV Ht.#50035	NA NA	2-CS-MOV-202A	NA NA	Replacement	No
	Nuts Studs Nuts	Mackson, Inc.	NA Ht. Code NAV Ht.#50035 Ht.#8865334	NA NA	2-CS-MOV-202A	NA NA	Replacement	No
7.	Nuts Studs	Mackson, Inc.	NA Ht. Code NAV Ht.#50035 Ht.#8865334	NA NA	2-CS-MOV-202A	NA NA	Replacement	No
7.	Nuts Studs Nuts	Mackson, Inc.	NA Ht. Code NAV Ht.#50035 Ht.#8865334	NA NA	2-CS-MOV-202A	NA NA	Replacement	No
	Nuts Studs Nuts Description of Work	Mackson, Inc. Mackson, Inc. Replace body to	NA Ht. Code NAV Ht.#50035 Ht.#8865334	NA NA ers.	2-CS-MOV-202A 2-CS-MOV-202A	NA NA	Replacement	No
	Nuts Studs Nuts	Mackson, Inc. Mackson, Inc. Replace body to	NA Ht. Code NAV Ht.#50035 Ht.#8865334 bo bonnet fasten	NA NA ers.	2-CS-MOV-202A 2-CS-MOV-202A Pressure	NA NA	Replacement	No
	Nuts Studs Nuts Description of Work	Mackson, Inc. Mackson, Inc. Replace body to	NA Ht. Code NAV Ht.#50035 Ht.#8865334 bo bonnet fasten	NA NA ers.	2-CS-MOV-202A 2-CS-MOV-202A Pressure	NA NA	Replacement	No
	Nuts Studs Nuts Description of Work	Mackson, Inc. Mackson, Inc. Mackson, Inc. Replace body to Hydrostatic Pr Other Pressure	NA Ht. Code NAV Ht.#50035 Ht.#8865334 behavior fastence neumatic No	NA NA ers. minal Operating Test Temp.	2-CS-MOV-202A 2-CS-MOV-202A Pressure F	NA NA	Replacement Replacement	No No
	Nuts Studs Nuts Description of Work Tests Conducted:	NA Mackson, Inc. Mackson, Inc. Replace body to Hydrostatic Pr Other Pressure	NA Ht. Code NAV Ht.#50035 Ht.#8865334 be bonnet fastener neumatic No	NA NA ers. minal Operating Test Temp. r drawings may t	2-CS-MOV-202A 2-CS-MOV-202A Pressure F be used, provided (1)	NA NA NA Size is 8½	Replacement Replacement	No No
	Nuts Studs Nuts Description of Work Tests Conducted:	Mackson, Inc. Mackson, Inc. Mackson, Inc. Replace body to Hydrostatic Pr Other Pressure	NA Ht. Code NAV Ht.#50035 Ht.#8865334 be bonnet fastener neumatic No	NA NA ers. minal Operating Test Temp. r drawings may t	2-CS-MOV-202A 2-CS-MOV-202A Pressure F be used, provided (1)	NA NA NA Size is 8½	Replacement Replacement	No No
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(12/82)

Remarks PO# BNT 4676504 (stud	is and nuts)
	ole Manufacturer's Data Reports to be attached
<u> </u>	
1	,
CEPT	CIEICATE OF COMPLIANCE
	FIFICATE OF COMPLIANCE e report are correct and this <u>replacement</u> conforms to the rules of the
	repair or replacement
ASME Code, Section XI.	
Type Code Symbol Stamp NA	
Type Code Symbol StampNA	
NA NA	Expiration Date NA
Certificate of Authorization NoNA	Expiration Date
a = (a) A A = a	Date MARCH 20 19 98
Owner or Owner's Designee, Title	Date
· · · · · · · · · · · · · · · · · · ·	
	ICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued	d by the National Board of Boiler and Pressure Vessel Inspectors and the State byed byof
Hartiora, cc.	have inspected the components described 5-/0-94 to 5-/0-97, and state that
· · · · · · · · · · · · · · · · · · ·	
	r has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements	s of the ASME Code, Section XI.
By signing this certificate neither the Inspector	nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in	this Owner's Report. Furthermore, neither the Inspector nor his employed
shall be liable in any manner for any personal injury	y or property damage or a loss of any kind arising from or connected with this
inspection,	
$\Omega \wedge A + \Omega \Lambda$	Va. 543
The Street	Commissions
Inspector's Signature	National Board, State, Province, and Endorsements
2 01 2/	·
Date. 3-21 19.95	-
·	

Serial Number: 95-168 Docket Number: 50-281 Page 61 of 127

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1.	Owner			Co.	Date2/17/9	95		
	5000 Dominio	Name n Blvd., Glen All	1		Sheet 1 o	ıf	1	
2.	Plant Surry	Address Power Statio	on		UnitTwo			
	5570 Hog Isl	and Rd., Surry, \	/a. 23883	n	<u>W0</u> #00267512-01	I, RR#94	-150	
		Address			Repair Orga	nization F	.O. No., Job No.,	
3.	Work Performed by	by Virginia Power Name			Type Code Symbol			NA
		Same as above			Authorization No Expiration Date		NA	
		Address	, b k	r ·				
4.	Identification of Sys	stem <u>Char</u>	ging		···			
	(a) Applicable Cons	truction Code F	131 1 10	55 Edition	NA A	ddonda .	N-1. N-7	_Code Case
ъ.		on of Section XI Uti				adenda,_	,	-code case
	(a) ((p) (a) (a) (a) (a) (a) (a) (a) (a) (a) (a	1	•	·				
6.	Identification of Co	mponents Repaired o	r Replaced and R	leplacement Con	nponents			, ,
		'						ASME
		•						Code
	Name of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced,	Stamped (Yes
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
	STUDS	NA	NA	NA	2-CH-MOV-2286A	NA	Replaced	No
_	Nuts	NA `	NA NA	NA	2-CH-MOV-2286A	NA	Replaced	No
	Studs	Mackson, Inc.	HT#42322	NA	2-CH-MOV-2286A	NA	Replacement	No
ļ 	Nuts	Mackson, Inc.	Ht#8097521	NA	2-CH-MOV-2286A	NA	Replacement	No
7.	Description of Work	Replace fastene	ers		;;.		·	
8.		Hydrostatic Pno Other Pressure_	_	minal Operating Test Temp	Pressure F	i		
	NOTE: Supplement tion in items 1 thro recorded at the top	ugh 6 on this report	lists, sketches, o	r drawings may l ach sheet, and (be used, provided (1) (3) each sheet is num	size is 8½ bered an	in. x 11 in., (2) i d the number of	nforma- sheets is

FORM NIS-2 (Back) Applicable Manufacturer's 435455 (NUTS **CERTIFICATE OF COMPLIANCE** We certify that the statements made in the report are correct and this Abundant conforms to the rules of the repair or replacement ASME Code, Section X1. Type Code Symbol Stamp ____Expiration Date_ Certificate of Authorization No. CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by HSBI AND I HARTKORD CT. have inspected the components described in this Owner's Report during the period. , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection, Commissions VA National Board, State, Province, and Endorsements 1.20 1995 Date

REPRINT 12/91

1. Owner VIRGINIA EXECTRIC AND POWER Co. Name SODO DOMINION BLVD. GLEN ALLEY, VA. 23060 Sheet of Address 2. Plant Surry Power System Name P.O. Box 31.5 Surry, VA. 23883 Address Name Name Name Name Name Authorization No. IN Address 4. Identification of System Name Name Address Name Authorization Date	1 L# 94-1. b No., etc.
2. Plant Surely Power Station P.O. Box 31.5. Surely, Va. 23883 Address Name Name Name Name Name Name Authorization No. plan Expiration Date Name Address Address Repair Organization P.O. Mo., Jo Expiration Date Name	L# 94-1.5 b No., etc.
2. Plant Surely Power Station P.O. Box 31.5. Surely, Va. 23883 Address Name Name Name Name Name Name Authorization No. plan Expiration Date Name Address Address Repair Organization P.O. Mo., Jo Expiration Date Name	L# 94-15 b No., etc.
P.O. Box 31.5, Suray, Va. 23883 Address Address Name Name Name Authorization No. Performed No. Physical Repair Organization P.O. Mo., Jo Expiration Date No. Physical Repair Organization P.O. Mo., Jo Expiration Date No. Physical Repair Organization P.O. Mo., Jo Expiration Date No. Physical Repair Organization P.O. Mo., Jo Repair Organization P.O. Mo., Jo Expiration Date No. Physical Repair Organization P.O. Mo., Jo Name Authorization Date No. Physical Repair Organization P.O. Mo., Jo P.O. Box 31.5, Suray Va. 23883 Expiration Date No. Physical Repair Organization P.O. Mo., Jo P.O. Box 31.5, Suray Va. 23883	L# 94-1. b No., etc.
3. Work Performed by VA. Fower Type Code Symbol Stamp VA. 23883 P. O. Box 315, Super VA. 23883 Expiration Date N/M	b No., etc.
3. Work Performed by A. Joules Name Name Authorization No. Physical Representation Date No. 10 10 10 10 10 10 10 10	
P. O. BOX315, Super VA.23883 Expiration Date W/A	
/ Address / (
4. Identification of System IGALION COOLANT	
5. (a) Applicable Construction Code 831. 1962 Edition, NA Addenda, N-1, N (b) Applicable Edition of Section XI Utilized for Repairs of Replacements 1989	42 Code Cas
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89	
6. Identification of Components Repaired or Replaced and Replacement Components	, I, , ,
	ASME
National Repair	Code ed Stamped
Name of Manufacturer Board Other Year Replac	· 1
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	15 3
SARTY VANL CROSSY NOW NOW 2 DE-SU-25514 NO REJECTE	red yes
SAFLTY VALL CLOSBY N81959-000001 N/A 2-BCSV-2551A 1993 REVINE	WENT YES
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The state of the s	
7. Description of Work Referred PARSSARIER SAFETY VARILE PER Dep 92-44	
8. Tests Conducted: Hydrostatic Pneumatic Anominal Operating Pressure Other Pressure 2235 psi Test: Temp.	1
The state of the s	
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in tion in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number	., (2) informa-
recorded at the top of this form.	1,
the state of the s	and the second
(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New Yo	rk, N.Y. 10017

. Remarks PO# BNT 42/142	
_	ufacturer's Data Reports to be attached
	·
	1
CERTIFICA	TE OF COMPLIANCE
	t are correct and this leave the conforms to the rules of the repair or replacement
ASME Code; Section XI.	Tepan of Teplacement
Type Code Symbol Stamp	
	Expiration Date 11/4
(1) 11 - 70- 6	18-11 Date Jucy 14 , 1994
Owner or Owner's Designee. Title	Date Verey 19 19 94 19
CERTIFICATE	OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the	e National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of VIRGINIA and employed by	HSBI + I Co. of
HARTHORD, CT.	have inspected the components described $6-10-94$ to $6-10-97$ and state that
	erformed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the	·
•	s employer makes any warranty, expressed or implied, concerning the
	Owner's Report. Furthermore, neither the Inspector nor his employer operty damage or a loss of any kind arising from or connected with this
inspection.	sperty damage of a loss of any kind arising from or connected with this
\sim \sim \sim \sim \sim \sim \sim	· . /
Otobal d. Coder	Commissions Va 543 National Board, State, Province, and Endorsements
Inspector's Signature	National Board, State, Province, and Endorsements
2 11 01	
Date	

Owner VIRGINIA ELECTRIC AND POWER CO. Name 5000 DOMINION BLVD. GLEN ALLEY, VA. 23060 Address	Date 2/14	194		
5000 Dorinion BLND. Gres Aces, Va. 23060				
Address	y	. ,		
	Sheeto	f		
Plant SURRY POWER STATION	Unit Two			
Name	with passon	,		<i>t</i> .
P.O. Box 315, Suray, Va. 23883			9-01 KR# .O. No., Job No.,	94-15
Work Performed by La. Powel Name	Type Code Symbol		,	0.0.
	Authorization No			
P.O. Box 315, Sussey, VA. 23883	Expiration Date	<i>7</i>		
Address	,			
Identification of System REACTOR CONLANT	· <u></u>			
(a) Applicable Construction Code A(3/./ 1962 Edition	N/A	denda /	V-1 N-2	Code Cas
(a) Applicable Construction Code 331. 1962 Edition, (b) Applicable Edition of Section XI Utilized for Repairs or Replacement	s 19 8 7	4, 1851	;	_C008 C88
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Identification of Components Repaired or Replaced and Replacement Co	mponents	1 "7.	erro Egyanov 🔻	· · · · · · · · · · · · · · · · · · ·
The state of the s	F i 2 . §			1
				ASME
National	·vn[i] (;	Repaired,	Code Stamped
Name of Manufacturer Board	Other	Year	Replaced,	(Yes
Component Manufacturer Serial No. No.	Identification	Built	or Replacement	or No)
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	with a st		1 1 W 1	10.
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Description of Work Research PALSSARIZER SAFET	VALLE D	2/	DCA 92-	44
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Tests Conducted: Hydrostatic Pneumatic Nominal Operating	Pressure 2			
Other Pressure 2235 psi Test Temp:	500 Searles	46		•
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NOTE: Supplemental sheets in form of lists, sketches, or drawings may tion in items 1 through 6 on this report is included on each sheet, and	ce usea, provided (1) (3) each sheet is num	size is 8½ bered and	in. x iii in., (2) (d the number of	sheets is
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FORM NIS-2 (Back)
Dett Annual Marie (Back)
9. Remarks 3/10/20/20/20/20/20/20/20/20/20/20/20/20/20
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Review Conforms to the rules of the
ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No. 17 14 Expiration Date 14
Signed W. f. Logen TST ENGINEER Date Typy 14 , 1994
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by HSBI + I Co. of HARTIORD, CT. have inspected the components described in this Owner's Benort during the period 5-10-94 to 5-10-97 and state that
in this Owner's Report during the period 5-/0-94 to 5-/0-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.
Inspector's Signature Commissions National Board, State, Province, and Endorsements

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9. Remarks PO # BNT 42/142	The first water than the state of the state
Applicable Manufacturer's Data Repor	ts to be attached
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We certify that the statements made in the report are correct and this	CL PCALLARY conforms to the rules of the
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I, the undersigned, holding a valid commission issued by the National Board of Bo	iler and Pressure Vessel Inspectors and the State
or Province of VIRGINIA and employed by HSBI + Z	<i>C</i> aof
HARTFORD, CT.	have inspected the components described
in this Owner's Report during the period 5-/6-79 to	5-16-97 , and state that
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Owner's Report in accordance with the requirements of the ASME Code, Section	XI.
By signing this certificate neither the Inspector nor his employer makes any	warranty, expressed or implied, concerning the
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shall be liable in any manner for any personal injury or property damage or a loss	s of any kind arising from or connected with this
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Owner or Owner's Designee, Title	
CERTIFICATE	E OF INSERVICE INSPECTION
CERTIFICATE I, the undersigned, holding a valid commission issued by t	E OF INSERVICE INSPECTION he National Board of Boiler and Pressure Vessel Inspectors and the State
CERTIFICATE I, the undersigned, holding a valid commission issued by to province of Victoria and employed to	E OF INSERVICE INSPECTION he National Board of Boiler and Pressure Vessel Inspectors and the State by HSBEVE Co
CERTIFICATE The undersigned, holding a valid commission issued by the province of VIRGINIA and employed to HARTFORD, CT	the National Board of Boiler and Pressure Vessel Inspectors and the State by HSBI+ICo. The Pressure Vessel Inspectors and the State by HSBI+ICO. The Pressure Vessel Inspectors and the State by HSBI+ICO.
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CERTIFICATE I, the undersigned, holding a valid commission issued by toor Province of VIRGINIA and employed to HARTFORD, CT. In this Owner's Report during the period to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of the	E OF INSERVICE INSPECTION the National Board of Boiler and Pressure Vessel Inspectors and the State to HSBE + E Co. have inspected the components described 5-/0-94 to 5-/0-97, and state that performed examinations and taken corrective measures described in this the ASME Code, Section XI.
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9. Remarks/	North and the second of the se	1.31
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Date	6-30 19 94	

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1/16 CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair or replacement ASME Code, Section XI. Type Code Symbol Stamp Certificate of Authorization No. Expiration Date Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by HSBI +I or Province of VIRGINIA HARTFORD, CT. have inspected the components described in this Owner's Report during the period to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions National Board, State, Province, and Endorsements

Serial Number: 95-168 Docket Number: 50-281 Page 69 of 127

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FORM NIS-2 (Back)
9. Remarks 70 # CNT 428083
Applicable Manufacturer's Data Reports to be attached
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CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Alpendents conforms to the rules of the
ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date
Signed (a) I Source ISI ENGINEER Date Tent 30 , 19 94
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CERTIFICATE OF INSERVICE INSPECTION
1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of VIRGINIA and employed by HSBI + I Co. of HARTHORD, CT. have inspected the components described
in this Owner's Report during the period S-10-94 to 5-10-97 , and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
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Inspector's Signature Commissions Va 5 4 5. National Board, State, Province, and Endorsements
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Serial Number: 95-168 Docket Number: 50-281 Page 72 of 127

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

As Required by the Provisions of t	he ASME Code Section XI
Owner VIRBINIA ELECTRIC AND POWER CO.	Date Aug 30, 1994
5000 Darinion Bers. Gets Auto, Va. 23060	Sheet/ of/
Plant Supply Power Station	Unix Two
P.O. Box 315 Suray, Va. 23883	W.O.# 296431-03 RR#94-170
Address	Repair Organization P.O. No., Job No., etc.
Name Name	Type Code Symbol Stamp N/A
P.O. Box 315 Succey, VA. 23883	Expiration Date NA
I. Identification of System Charging	
6. (a) Applicable Construction Code 331.	ion, N/A Addends, N-/, N-7 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs of Replaces	nents 49 89 (Chicken School)
J. Identification of Components Repaired of Replaced and Replacemen	Components
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Other Pressure NO psi Test Ten	the contract of the state of th
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(12/82) This Form (E00030) may be obtained from the	e Order Dept. ASME, 345 E. 47th St., New York, N.Y. 10017
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9. Remarks / C C Y 01766/ (8) Applicable Ma	nufacturer's Data Reports to be attached
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Code Case N-416 ADA	
We certify that the statements made in the report ASME Code, Section XI. Type Code Symbol Stamp No. No. No. No. No. No. No. No. No. No.	TE OF COMPLIANCE Ort are correct and this Conforms to the rules of the repair or replacement Expiration Date Date Date Date
CERTIFICAT	E OF INSERVICE INSPECTION
	the National Board of Boiler and Pressure Vessel Inspectors and the State by HSBL+LCoof
HARTFORD, CT	have inspected the components described
in this Owner's Report during the period to the best of my knowledge and belief the Owner has	$\frac{5-10-94}{10}$ to $\frac{5-10-97}{10}$, and state that performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of t	T , and the state of the state
	his employer makes any warranty, expressed or implied, concerning the Owner's Report. Furthermore, neither the Inspector nor his employer
	property damage or a loss of any kind arising from or connected with this
inspection.	1 rila
Inspector's Signature	Commissions Va 543 National Board, State, Province, and Endorsements
Date9-619-9-4	

Serial Number: 95-168 Docket Number: 50-281 Page 73 of 127

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

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		→		1 /	37/10/130		
1. Owner VIRGI	in Leterric A	wy Power	eG.	Date 1/9/93	X 5		
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2. Plant <u>Surk</u>		•		· · · · · · · · · · · · · · · · · · ·			
Z. Plant <u>Jake</u>	Name	TATION		Unit			
DOA			~~ >	1. Tattania		, Al# 0.	1 105.
P.O. Box	315 SURRY	, VA. 230	885	8000299	3 27-0	1. ICR 94	771
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> 0 1		Name . /		Authorization No.	N/A) 	
P.O. Bo	x 3/5, Si	RRY VA.	23883	Expiration Date _4	Ila		1111
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. Identification of g	/ 310111			. 1			
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	nstruction Code <u>83</u>		62 Edition,_	-4. %	\ddenda,_∠	N-1, N-1	Code Cas
(b) Applicable Edi	tion of Section XI Ut	ilized for Repairs	or Replacements	19 <u>89</u>	V		
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. Identification of C	omponents Repaired	or Replaced and	Replacement Con	ponents		The state of the s	i.
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•	10 1	1 3	National			Repaired,	Stamped
 Name of 	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No
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rests Conducted;	_	1 P. S. G. S. C. C. C. C. C. C. C. C. C. C. C. C. C.		0 ਦ • ਼ਾਫ ਤਰਪਾਰ <u> </u>			,
	Other Pressure_	psi	Test Temp	r			-
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NOTE: Suppleme	ntal sheets in form o	f lists, sketches, (or drawings may b	oe used, provided (1) size is 8%	in. x 11 in., (2) i	ntorma-
	rough 6 on this repor		each sheet, and (3) each sheet is nu	mbered an	a the number of s	ineets is
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	1	r hersted in a	and the second	e , , , , ,			
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(12/82)

FORM NIS-2 (Back) 9. Remarks CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Legions conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp Certificate of Authorization No. **Expiration Date** Signed_ Owner of Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by HSBI + I Co. or Province of VIRGINIA HARTFORD, CT. have inspected the components described 5-10-97 in this Owner's Report during the period_ to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions.

National Board, State, Province, and Endorsements

inspection

Date.

Inspector's Signature

								
		<u> </u>		4 1 1 1 1		-		
1 Owner Vil	rginia	Electric a	ınd Power (Co.	Date 3/13/95			
•		Neme	.,					
5000 Dom	inion Bly	d., Glen Allen	. Va. 23060	Commence of the	Sheet 1	of 1		
		Address		7.7	<u> </u>			
2 Plant Sur	ry Pow	er Station		, · (Unit TWO			
2. Hallt		Name	7 6	7,	Oint			
5570 Hog	Island R	d., Surry, Va.	23883	al all the	WO#00303005÷01,	RR#94-19	6	
	-	Address	<u> </u>	1.17			O. No., Job No.,	etc.
0 W 1 D - 6-		Virginia Power	•		T		NA	
3. Work Perform	ned by	 i	Name	 .	Type Code Symbol	•		
					Authorization No.			
	Same	Address			Expiration Date		<u> </u>	
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4. Identification	n of Systen	n <u>Safety</u>	Injection					· · ·
					ý h			
5. (a) Applicab	le Constru	ction Code <u>B31</u>	19	Edition,_		ddenda,_	N-1, N-7	Code Case
(b) Applicab	le Edition	of Section XI Uti	lized for Repairs	or Replacements	19 <u>89</u>			
								•
6. Identification	of Compo	onents Repaired o	r Replaced and F	Replacement Con	ponents	•	•	
				<u> </u>				
		\$ 100	D. 3. 新海機能力 3.					
				; '		,		ASME
		;	1. 水水平 美国特别的					Code
				National			Repaired,	Stamped
Name of		Name of	Manufacturer	Board	Other	Year	Replaced, or Replacement	(Yes or No)
Componer	11	Manufacturer	Serial No.	No.	Identification	Built	or replacement	01 1407
			198 M. J.					
coustic Transc			: :	· · · · · · · · · · · · · · · · · · ·				
Mount	ucer	NA	NA	NA	2-SI-79	NA	Replacement	No
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			1. C. C. C.			<u> </u>		
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7. Description o	f Work	eld acoustic m	ounts to check	valve to aid	in testing.			·
•								
8. Tests Conduc	ted: Hvo	drostatic Pn	eumatic	minal Operating	Pressure			
		er Pressure	— , ,	Test Temp.		*,	-1	
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NOTE: S:	olomontal :	hagte in form of	liëte ekstahae a	r'drawinge may h	e used, provided (1)	gize ie Q14	in x 11 in (2) in	nforma-
tion in items	nemental s 1 through	n 6 on this report	is included on a	each sheet, and (3) each sheet is nun	nbered and	the number of s	heets is
recorded at t					-, see io man			
		,						

(12/82)

Purchase Order #SY-043088(1) Applicable Manufacturer's Data Reports to be attached **CERTIFICATE OF COMPLIANCE** We certify that the statements made in the report are correct and this conforms to the rules of the repair or replacement ASME Code, Section XI. Type Code Symbol Stamp Certificate of Authorization No. **Expiration Date** CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia **HSBI** and I Co and employed by_ Hartford, have inspected the components described 5-10-9 in this Owner's Report during the period. , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Va. 543 Commissions National Board, State, Province, and Endorsements Date

Serial Number: 95-168 Docket Number: 50-281 Page 75 of 127

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

=								
1.	Owner Virgini	la Electric a	nd Power (Co.	Date 3/13/95	5		
•		Name						
	5000 Dominion	Blvd., Glen Allen	, Va. 23060	ŀ	Sheet1	of 1	•	
		Address		1	011001	·		
2	Plant Surry P	ower Station	•		Unit_Two	•		
۷.	riant	Name			Ollit			
	5570 Hog Islan	d Rd., Surry, Va.	23883		WO#00303005-02,	RR#94-19	7	
		Address					.O. No., Job No.,	etc.
_		Virginia Power					NTΛ	
3.	Work Performed by		Name	 	Type Code Symbol	•		
		•		т.	Authorization No.			
	s	ame as above			Expiration Date		<u> </u>	
		.,	•					
4.	Identification of Sys	stemSafety	Injection	 				
				7				
5.		struction Code <u>B31</u>				Addenda,	N-1, N-7	_Code Case
	(b) Applicable Editi	ion of Section XI Uti	lized for Repairs	or Replacement	s 19 <u>89</u>		•	
	, , , , , , , , , , , , , , , , , , , ,		4					
6.	Identification of Co	mponents Repaired o	r Replaced and I	Replacement Co	mponents	 	1	 1
			:					ASME
		. , }	11.75%	1.			İ	Code
				National	1		Repaired,	Stamped
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
	·		 	Î				
cou	stic Transducer Mount	NA	, NA	NA	2-SI-82	NA	Replacement	No
				1.000				
			Select Man					
			•		1			
				L	L	1	 	
7.	Description of Work	Weld acoustic to	ransducer moun	ts to check v	alve to aid in te	sting.		
3.		<u> </u>	eumatic No				•	
	tion in items 1 thro	tal sheets in form of bugh 6 on this report	lists, sketches, o is included on o	or drawings may each sheet, and	be used, provided (1) (3) each sheet is nur) size is 8½ mbered and	in. x 11 in., (2) indicated the number of s	nforma- sheets is
	recorded at the top	ot this form.						

(12/82)

Remarks	Annlica	hle Manufacti	ror's Date P	eports to be at	tached		
		ible Maliquacti	alei s Pata II				
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	CER	TIFICATE O	F COMPLIA	NCE			
We certify that the state ASME Code, Section XI.	ements made in tl	he report are d	correct and th	nis <u>Replacem</u> repair or repi	ent confo acement	orms to the	rules of the
Type Code Symbol Stamp	NA	*6			*		
Certificate of Authorization No	NA	- / .:		ation Date			
001	1 251	ENGIN		Date		,ر،	19
Signed Owner or Owner's Designment	JSJ gnee, Title CERTIF	FICATE OF IN	COL I	Date //	AACH		
Owner or Owner's Designment, the undersigned, holding a valid	gnee, Title CERTIF	FICATE OF IN	NSERVICE I	NSPECTION of Boiler and Pr	essure Vessel	Inspectors	and the Sta
Owner or Owner's Designation Province of Virginia Hartford,	CERTIFICATION CE	FICATE OF IN	NSERVICE I	NSPECTION of Boiler and Pr HSBI and	essure Vessel I Co	Inspectors	and the Sta
Owner or Owner's Designation or Province of Virginia Hartford, In this Owner's Report during the	CERTIFICATION CE	FICATE OF IN ed by the Nati loyed by	NSERVICE II	NSPECTION of Boiler and Pr HSBI and have i	essure Vessel I Co. nspected the	Inspectors compone	and the Sta
Owner or Owner's Designation Province of Virginia Hartford, on this Owner's Report during the to the best of my knowledge and	CERTIFICATION CE	FICATE OF IN ed by the Nati loyed by 5~/ er has perforn	NSERVICE I	NSPECTION of Boiler and Pr HSBI and have i to 5~/4 tions and taken	essure Vessel I Co. nspected the	Inspectors compone	and the Sta
Owner or Owner's Designed, the undersigned, holding a valid or Province of Virginia Hartford, on this Owner's Report during the best of my knowledge and Owner's Report in accordance with the best of my knowledge and Owner's Report in accordance with the best of my knowledge and Owner's Report in accordance with the best of my knowledge and Owner's Report in accordance with the best of my knowledge and Owner's Report in accordance with the best of	CERTIFICATION CE	FICATE OF IN ed by the Nati loyed by 5-/ er has perform	NSERVICE I ional Board of the control of the contro	NSPECTION of Boiler and Pr HSBI and have ito 5~// tions and taken	essure Vessel I Co nspected the	Inspectors compone	and the Standard the State the scribed in the state the scribed in
Owner or Owner's Designation or Province of Virginia Hartford, on this Owner's Report during the tothe best of my knowledge and Owner's Report in accordance with By signing this certificate neither accordance and corrective measurements.	CERTIFICATION CT	er has perform	NSERVICE II ional Board of 0-94 med examina IE Code, Sectoloyer makes 's Report. F	NSPECTION of Boiler and Pr HSBI and have i to 5~// tions and taken ion XI. any warranty, urthermore, no	essure Vessel I Co nspected the n corrective m expressed or either the ins	Inspectors component , a neasures des implied, co	and the Stants described in the concerning the conc
Owner or Owner's Designation Province of Virginia Hartford, in this Owner's Report during the tothe best of my knowledge and Owner's Report in accordance with By signing this certificate neither accordance with a significant corrective measurements and corrective measurements and corrective measurements and corrective measurements.	CERTIFICATION CT	er has perform	NSERVICE II ional Board of 0-94 med examina IE Code, Sectoloyer makes 's Report. F	NSPECTION of Boiler and Pr HSBI and have i to 5~// tions and taken ion XI. any warranty, urthermore, no	essure Vessel I Co. Inspected the corrective management or expressed or either the insum of the correction of the corr	Inspectors component , a neasures des implied, co	and the Stants described in the concerning the conc
I, the undersigned, holding a valid or Province of <u>Virginia</u> Hartford, in this Owner's Report during the to the best of my knowledge and Owner's Report in accordance wit	CERTIFE CERTIFE Commission issue and emp Ct. The period The belief, the Own the the requirement the Inspector issures described in any personal inju	ed by the Nati loyed by er has perform its of the ASM r nor his emp in this Owner ry or property	NSERVICE II ional Board of 0~94 med examina IE Code, Section Iloyer makes 's Report. For damage or a	NSPECTION of Boiler and Pr HSBI and have i to 5~// tions and taken ion XI. any warranty, urthermore, no	essure Vessel I Co. Inspected the corrective management or expressed or either the instant arising from the corrective management of the corrective management of the corrective management of the corrective management of the corrective management of the correction	Inspectors component , a neasures des implied, conpector nor	and the Sta nts describe nd state th scribed in the oncerning t his employ cted with the

Serial Number: 95-168 Docket Number: 50-281 Page 76 of 127

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

		 :					
1. Owner Virgini	a Electric a	and Power C	o.	Date 3/13/95			
5000 Dominion	Blvd., Glen Aller	ı, Va. 23060		Sheet1	. 1		
·····	Address		··· ·· ·	Silest	JI		·
2. Plant Surry P	ower Station			Unit_Two	•		
	Name			-			
5570 Hog Islan	d Rd., Surry, Va.	23883		WO#00303005-03,			
	Address			Repair Orga	nization F	.O. No., Job No.,	etc.
3. Work Performed by	Virginia Power			Type Code Symbol	Stamp	NA	
		Name		Authorization No.	NA.		
S	ame as above			Expiration Date		АИ	 -
	Address						
4. Identification of Sys	tem <u>Safety</u>	Injection	 				
5. (a) Applicable Cons(b) Applicable Editi6. Identification of Con	on of Section XI Uti	lized for Repairs	or Replacemen	ts 19 <u>89</u>	.ddenda,_	N-1, N-7	_Code Cas
		The strenger of	7,	ή			<u> </u>
			National			Repaired,	ASME Code Stamped
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
Acoustic Transducer Mount	NA	NA	NA	2-SI-85	NA.	Replacement	No
			٠,				_
		1,					
		İ					
7. Description of Work	Weld acoustic t	ransducer moun	ts to check v	valve to aid in te	sting.		
	Hydrostatic Pn Other Pressure_	eumatic 🗔 🖟 No psi					
NOTE: Supplement tion in items 1 thro recorded at the top of	ugh 6 on this report	lists, sketches, o	r drawings may ach sheet, and	be used, provided (1) (3) each sheet is num	size is 8½ nbered and	in. x 11 in., (2) i d the number of	nforma- sheets is

Remarks	urchase Order #S	Y-043088(1)	' . ; ·		
	Applicable N	Manufacturer's Data I	Reports to be attac	hed	
					
		1		` ,	
	,	* 1	,		
	CERTIFI	CATE OF COMPLIA	ANCE		
	statements made in the rep	port are correct and	this <u>Replacemen</u> repair or replac		the rules of the
ASME Code, Section XI.			, op = 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	,	
	•				
Type Code Symbol Stamp	NA				
	Designee, Title		· · · · · · · · · · · · · · · · · · ·		·
I also and a last of the later		TE OF INSERVICE		. Man all to an	
I, the undersigned, holding a or Province of <u>Virgini</u>					
Hartfor in this Owner's Report duri	d, Ct.		have ins	pected the comp	onents describe
to the best of my knowledge			=		1
Owner's Report in accordance	•	•			
By signing this certificate	e neither the Inspector nor	his employer make	s any warranty, ex	pressed or implie	d, concerning th
examinations and corrective				-	
shall be liable in any manner inspection.	for any personal injury or	property damage or	a loss of any kind	arising from or co	nnected with th
Q. Q. \$	+P Pool		77-	E42	
Inspector'	s Signature	Commissions	Va. National Board, Sta		Endorsements
Date_ 3-2	1995	·		,	

Serial Number: 95-168 Docket Number: 50-281 Page 77 of 127

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

=								
1.	Owner_Virgin	ia Electric a	and Power C	lo.	Date 2/20/95	;		
••	•······· <u>—</u>	Name						
	5000 Dominion	Blvd., Glen Aller	n, Va. 23060		Sheet1	of 1		
		Address			Sileet	o		
2	Plant Surry P	ower Station	,		Unit Two		•	
۷.		Name			OIII			
	5570 Hog Islan	d Rd., Surry, Va	. 23883		WO#00303005-04,	RR#94-19	19	
		Address					.O. No., Job No.,	etc.
_	Work Performed by	Virginia Power	•				NTA.	
3.	work Performed by		Name		Type Code Symbol	. —		
			-;		Authorization No.			
	s	lame as above Address			Expiration Date	 -	NA.	
4.	Identification of Sy	stemSafety	/ Injection		<u> </u>			
5,	(a) Applicable Cons	struction CodeB31	<u>1.1</u> 19	_55 Edition,	NA A	Addenda,_	N-1, N-7	Code Case
	(b) Applicable Edit	ion of Section XI Ut	ilized for Repairs	or Replacemen	ts 19 <u>89</u>			
6.	Identification of Co	mponents Repaired	or Replaced and F	Replacement Co	mponents			
					•	•		
		,	1 1 1 4865	.* .				
			,					ASME
		1	1. Att 60					Code
		10		National			Repaired,	Stamped
	Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
	·		,					
_	 		 			 		
A	coustic Trans. Mount	NA	NA.	NA.	2-SI-128	NA.	Replacement	No
_								
			· ,	,]	
					. 			
			15 7 (set)			<u> </u>		
				1 7	ſ			
						l .		
7	Description of Work	Attach (weld) a	coustic transd	ucer mounts.	Material accepted	on PTE#	SU-92-00136, Re	v.0.
•	Description of Work			<u>:</u>				
	Tasta Candustado	Understate De	·	iI O ti				
э.		_	neumatic . No		 -			
		Other Pressure_	psi	Test Temp	F			
	NOTE: Supplement	tal sheets in form of	f lists, sketches, o	r drawings may	be used, provided (1)) size is 8½	in. x 11 in., (2) i	ntorma-
			t is included on e	each sneet, and	(3) each sheet is nur	npered an	a the number of s	neets IS
	recorded at the top	or ans rorm.						

(12/82)

None	
	Manufacturer's Data Reports to be attached
	<u> </u>
	
1.4	
CERTIFI	ICATE OF COMPLIANCE
We certify that the statements made in the repassion ASME Code, Section XI.	port are correct and this <u>Replacement</u> conforms to the rules of the repair or replacement
Type Code Symbol StampNA	
	Expiration Date NA Date FEB. 20 , 19 25
CERTIFICA	TE OF INSERVICE INSPECTION
	the National Board of Boiler and Pressure Vessel Inspectors and the State by HSBI and I Coo
Hartford, Ct. in this Owner's Report during the period	have inspected the components described $5 - 1 - 9 $ to $5 - 1 - 9 $, and state that
to the best of my knowledge and belief, the Owner ha Owner's Report in accordance with the requirements of	as performed examinations and taken corrective measures described in thing the ASME Code, Section XI.
examinations and corrective measures described in thi shall be liable in any manner for any personal injury or	r his employer makes any warranty, expressed or implied, concerning the is Owner's Report. Furthermore, neither the Inspector nor his employer property damage or a loss of any kind arising from or connected with thi
Inspection. Inspector's Signature	CommissionsVa. 543 National Board, State, Province, and Endorsements
Date	·

Serial Number: 95-168 Docket Number: 50-281 Page 78 of 127

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

()wner *++9+++	ia Kiechtic :	and Power Co	`	Date 2/19/95	;		
	ia Electric a)	· · ·	Date	<u> </u>		
5000 Dominion	Blvd., Glen Alle	n, Va. 23060		Sheet 1	of 1		
	Address	y .		Sileet	٠٠ <u>ـــــ</u>		
Plant Surry P	ower Station	L		UnitTwo	·		
-	Name			-			
5570 Hog Islan	nd Rd., Surry, Va	. 23883		WO#00303005-05,			
	Address	•		Repair Orga	nization F	.O. No., Jöb No.,	
Work Performed by	Virginia Power	Name		Type Code Symbol	Stamp	NA	
		1401110		Authorization No.			
	dame as aboveAddress			Expiration Date		NA	
Identification of Sy	stemSafety	/ Injection					
	O-d- P3		E ====================================	NTA		-1 N-7	0-4-0
				NA A	∖aaenaa, <u>×</u>	I⊥, N-/	_Code C
(b) Applicable Edit	ion of Section XI Ut	ilized for Repairs o	r Heplacement	\$ 19 ₈₉			
		e _v r.	 				ASME Code
			National			Repaired,	Stampe
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No
Component		1				1 .	l .
Component coustic Trans.	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No
Component coustic Trans.	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No
Component oustic Trans.	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No
Component coustic Trans.	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No
Component coustic Trans.	Manufacturer NA	Serial No.	No.	Identification	Built	or Replacement	No
Component Coustic Trans. Mount	Manufacturer NA Attach (weld)	Serial No.	NO. NA	Identification	Built	or Replacement	or No
Component Coustic Trans Mount Description of Work	Manufacturer NA NA Attach (weld) : Material approx	Serial No. NA NA acoustic transdured for use per	NO. NA	ldentification 2-SI-130 0136, Rev. 0	Built	or Replacement	or No
Component Oustic Trans. Mount Description of Work Tests Conducted:	Manufacturer NA NA Attach (weld) a Material approx Hydrostatic Pr Other Pressure	Serial No. NA NA accoustic transdured for use per seumatic Nom psi	No. NA NA Cer mounts. PTR# SU-92-0 ninal Operating Test Temp.	ldentification 2-SI-130 0136, Rev. 0	Built	or Replacement Replacement	No
Component Dustic Trans. Mount Description of Work Fests Conducted:	Attach (weld) a Material approx Hydrostetic Pr Other Pressure	Serial No. NA NA Accoustic transdured for use per neumatic Nom psi	No. NA Cer mounts. PTR# SU-92-0 ninal Operating Test Temp. drawings may	ldentification 2-SI-130 0136, Rev. 0	Built NA Size is 8%	or Replacement Replacement	No No

Remarks NonE
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this LEPASEMENT conforms to the rules of the
ASME Code, Section XI.
Admit Gode, Goston Att
Type Code Symbol Stamp
Type dodd dyffiddi ddiffy
Certificate of Authorization No Expiration Date
Signed W. h. document of Owlney's Designed Title Date FEB. 19 , 19 95
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Villainia and employed by MSBI and I Co. of
HARTFORD CThave inspected the components described
in this Owner's Report during the period 5-1-94 to 5-1-97, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection,
0.0 + 100
Inspector's Signature Commissions VD. 543 National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
Date

Serial Number: 95-168 Docket Number: 50-281 Page 79 of 127

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

1. Owner Virgini	a Electric a	and Power C	<u>.</u>	Date 2/20/95			
	Name						
5000 Dominion	Blvd., Glen Aller	n, Va. 23060		Sheet1	of 1		,
	Address			Sileett	JI	 -	
2. Plant Surry P	ower Station			Unit TWO	•		
2. Plant	Name			Unit			
5570 Hog Telan	d Rd., Surry, Va.	22002		WO#00303005-06,	DD#94-20	1	
	Address					.O. No., Job No.,	etc.
	Virginia Power				-	NΔ	
3. Work Performed by		Name	 	Type Code Symbol	•		
				Authorization No.			
s	ame as above Address			Expiration Date	· · · · · · ·	NA	
•							
4. Identification of Sys	temSafety	/ Injection			_		
		ı					
5. (a) Applicable Cons	truction CodeB31	<u></u> 19	55Edition,_	NA A	ddenda,_	N-1, N-7	Code Cas
(b) Applicable Editi					•		
(b) Applicable Levil							
a lala ang ang ang ang ang ang ang ang ang an	Dameteral	ar Dominand and E	3amlaaaaa 0am				
6. Identification of Co	mponents Repaired	or neplaced and r	repracement Con	iponents			
	<u> </u>	स्वतः ।	or,	1]		i
		, '					ASME
							Code
	, ,		National			Repaired.	Stamped
Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
		a transfer		,			
		1111			ļ		
Acoustic Trans.							
Mount	AN	NA	NA.	2-SI-241	NA	Replacement	No
*		,					
					-		
		11, 5 c 343				İ	
						-	
		1					
							
	İ]					
					L	ļ	
						•	
. Description of Work	Attach (weld) a	coustic transd	ucer mounts. M	Material accepted	on PTE#S	SU-92-00136, Re	v.0.
3. Tests Conducted:	Hydrostatic Pr	neumatic 🔲 👝 No	minal Operating	Pressure			
		psi		 -		•	
NOTE: Supplement	ul abassa !- faum -:	flimen obsessos s	e drawinas mass t	sauced provided (1)	gi70 ie Ω 1/	in v 11 in /2) i	nforme-
tion in items 1 thro	uch 6 on this repor	t is included on a	ach sheet and (3) each sheet is nun	nbered and	the number of	sheets is
recorded at the top	-			-, is iidii			
	_:						
					*		

(12/82)

9.	Remarks
,	Applicable Manufacturer's Data Reports to be attached
Г	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol StampNA
	Signed Owner or Owner's Designee, Title Expiration Date NA Expiration Date NA Date 1955
Γ	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	or Province of <u>Virginia</u> and employed by <u>HSBI</u> and I Co. of
	Hartford, Ct. have inspected the components described in this Owner's Report during the period 5-1-91 , and state that
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
	shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
1	Commissions Va. 543 Inspector's Signature National Board, State, Province, and Endorsements
	Date

Serial Number: 95-168 Docket Number: 50-281 Page 80 of 127

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

1. Owner Virginia E.	lectric a	nd Power Co	·	Date 3/13/95			
	Name						
5000 Dominion Blvd.	. Glen Allen	. Va. 23060		Sheet 1	. 1		
	Address	,		Sneet	or		
- Surry Dower	Station			Тио			
2. Plant Surry Power	Name			UnitTWO			
	–						
5570 Hog Island Rd.		23883	<u>.</u>	WO#00303005-07,			
	Address			Repair Orga	inization F	.O. No., Job No.,	
3. Work Performed by	rginia Power	·		Type Code Symbol	Stamp	NA	
		Name		Authorization No	NA		
Samo as	s above			Expiration Date		N/A	
	Address						-
4. Identification of System_	Cofota	Toda et dan					
4. Identification of System	Salety	injection .					
5. (a) Applicable Construction	on Code <u>B31</u>	<u>.1</u> 19	Edition,	_NAA	.ddenda,_	N-1, N-7	_Code Case
(b) Applicable Edition of	Section XI Uti	lized for Repairs o	r Replacement	s 19 <u>89</u>			
6. Identification of Compone	ents Repaired c	r Replaced and Re	placement Cor	mponents			
•	·	·		·			
		· i main i .	. '				
						}	ASME
		1.157		,	1		Code
	ļ		National			Repaired,	Stamped
Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes
	anufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
				1			
						<u></u>	
Acoustic Transducer							
Mount	NA	NA .	NA	2-SI-242	NA	Replacement	No
	-						
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	ì				ſ	1	!
		10 16					
		ц., п					
		4 , 4					
		4.9		,			
		4 . 4					

. Remarks	Purchase Order #	SY-043088(1)	•
	Applicable	Manufacturer's Data Repor	ts to be attached
	: .		
	CERTIF	FICATE OF COMPLIANCE	
We certify t	hat the statements made in the r		Replacement conforms to the rules of the
ASME Code, Section 2	XI.	rep	pair or replacement
		,	
Type Code Symbol Sta	ampNA	 	
Certificate of Authoriz	zation No. NA	Expiration	n Date NA
Signed Owner or Ow	wner's Designee, Title	Date.	March 13 , 19.85
	CERTIFICA	ATE OF INSERVICE INSP	ECTION
or Province of Virg	ginia and employe	ed byHS	iler and Pressure Vessel Inspectors and the State BI and I Coof
Har	tford, Ct.		have inspected the components described 5-10-97, and state that
			and taken corrective measures described in this
·	ordance with the requirements of	•	
examinations and cor shall be liable in any i	rective measures described in t	his Owner's Report. Furth	warranty, expressed or implied, concerning the ermore, neither the Inspector nor his employer of any kind arising from or connected with this
inspection.	Af. Coler	Commissions	Va. 543
· Ins	pector's Signature	Nation	al Board, State, Province, and Endorsements
Date	3-21 1995		

Serial Number: 95-168 Docket Number: 50-281 Page 81 of 127

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

	-						
1. Owner Virgini			D	Date 3/13/95			
	Name						
5000 Dominion 1	Blvd., Glen Aller	ı, Va. 23060	<u>.</u>	Sheet1	of1		
	Address						
2. Plant Surry Po	ower Station			Unit Two			
	Name						
5570 Hog Island	d Rd., Surry, Va.	23883		WO#00303005-08,	RR#94-20	03	
	Address			Repair Orga	nization F	.O. No., Job No.,	etc.
3. Work Performed by	Virginia Power	•		Type Code Symbol	Stomp	AN	
3. Work renomined by		Name			•		
				Authorization No.			
s	ame as above Address	·		Expiration Date		NA	
					: ,		
Identification of Sys	temSafety	/ Injection					
5. (a) Applicable Cons	truction CodeB31	119_	55 Edition,	NA A	ddenda,_	N-1, N-7	Code Cas
(b) Applicable Editi					•		
(b) Applicable culti	on or occion xi ot	inizoa ioi itopanis e	, mopiacomeni				
6. Identification of Cor	nponents Repaired o	or Replaced and Re	eplacement Co	mponents			
		1 79411 - 1	. (}	
,		1					ASME
		1,000.1	-				Code
			National			Repaired,	Stamped
Name of	Name of	Manufacturer:	Board	Other	Year	Replaced,	(Yes
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
'							
						ļ	
Acoustic Transducer	***		***	0.07.040		P1	\ v _
Mount	NA	NA	NA.	2-SI-243	NA	Replacement	No
		21			ľ		
'		†					
		-					
				•			
7. Description of Work	Weld acoustic t	ransducer mount	s to check v	alve to aid in te	sting.		
, buscription of work.		· · · · · · · · · · · · · · · · · · ·					_
Total Commission I	Understa De	No.	ninal Operating	Drawn			
	· —	_	-				
(Other Pressure_	psi	Test Temp	°F			
NOTE: Supplement	al sheets in form of	lists, sketches, or	drawings may	be used, provided (1)	size is 8½	in. x 11 in., (2) i	nforma-
tion in items 1 thro	ugh 6 on this repor	t is included on ea	ich sheet, and	(3) each sheet is nun	nbered an	d the number of	heets is
recorded at the top of	of this form.						

Remarks	Purchase Order	#SY-043088(1)	
	Applic	able Manufacturer's D	Data Reports to be attached	
		-		-
	CEI	RTIFICATE OF COM	PLIANCE	
We certify ASME Code, Section		the report are correct	and this <u>Replacement</u> conforms repair or replacement	to the rules of the
Type Code Symbol S	·		77	
Signed Owher or	1		Date MA	, 19 <i>.25</i>
	CERTI	FICATE OF INSERV	ICE INSPECTION	· · · · · · · · · · · · · · · · · · ·
			oard of Boiler and Pressure Vessel Insp HSBI and I Co.	
Ha	rtford, Ct.		have inspected the cor	
to the best of my k	nowledge and belief, the Owr	ner has performed ex	aminations and taken corrective measu	
Owner's Report in a	ccordance with the requiremen	nts of the ASME Cod	e, Section XI.	
examinations and coshall be liable in any	orrective measures described	in this Owner's Rep	nakes any warranty, expressed or imp ort. Furthermore, neither the Inspect ge or a loss of any kind arising from or	or nor his employer
inspection.	bent f. Carlesser Signature	Commissions	Va. 543 National Board, State, Province, and	nd Endorsements
Date	3-21 19 95	_	, , , , , , , , , , , , , , , , , , , ,	_

Serial Number: 95-168 Docket Number: 50-281 Page 82 of 127

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

=										
1.	Owner Virgini			o	Date 2/19/95	5				
		Name			1	4				
	5000 Dominion	Blvd., Glen Aller Address	n, Va. 23060		Sheet 1	of	· .			
2.	Plant Surry P	ower Station			Unit Two					
		Name								
	5570 Hog Islan	d Rd., Surry, Va	. 23883		WO#00303005-09,					
							,.O. No., Job No., NA			
3.	Work Performed by		Name		Type Code Symbol Stamp					
	a	ame as above			Expiration Date					
		Address			<u>-</u>					
4.	Identification of Sys	stemSafety	/ Injection	· · · · ·						
5,	(a) Applicable Cons					\ddenda, <u>N</u>	-1, N-7	_Code Case		
	(b) Applicable Editi	ion of Section XI Ut	ilized for Hepairs o	r Replacement	1989					
6.	Identification of Co	mponents Repaired	or Replaced and Re	eplacement Co	mponents	,				
		· · · · · · · · · · · · · · · · · · ·			·					
			. Paperter . The					ASME		
			5 21464		·			Code		
		·		National			Repaired,	Stamped		
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)		
	Component	Wand acture		140.	Identification	Built				
			;			ļ				
A	coustic Trans. Mount	NA.	NA .	NA	2-SI-107	NA	Replacement	No		
_				····						
		•	·				-			
	,			<u>. </u>						
_			,		-					
						-				
							,			
			·				· ·			
7.	Description of Work	Attach (weld) a	coustic transdured for use per	cer mounts. PTR# SU-92-0	10136, Rev. 0					
					·					
В.			eumatic 🔲 Non		_ _					
		Other Pressure_	psi	Test Temp	°F					
	NOTE: Supplement	tal chapte in form of	liete ekstohoe or	drawings may	be used, provided (1)	size is 8%	in. x 11 in (2) i	nforma-		
	tion in items 1 thro	ough 6 on this repor	t is included on ea	ch sheet, and	(3) each sheet is nur	nbered an	d the number of	sheets is		
	recorded at the top									

(12/82)

9. Remarks Nont	
Applicable Manufacturer's Data Reports to be attached	
	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this Live Conforms to the rules of repair or replacement.	the
Type Code Symbol Stamp//	—
Certificate of Authorization No. No. Expiration Date No.	
Signed W. L. Coccu ISI ENGINEER Date FEB. 18 , 19 95 Owner or Owner's Designee. Title	<u> </u>
Owner or Owner's Designee, 1 Itie	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the	State
or Province of Viabinia and employed by HSBI and I Co.	of
HART FORD CThave inspected the components described to the components described	ribed
in this Owner's Report during the period $5-1-94$ to $6-1-97$, and state	that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in	n 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	g the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his emp	loyer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with	n this
inspection,	
wheat t. Commissions Va 543	
Inspector's Signature Commissions National Board, State, Province, and Endorsement	ts
A 4 2 0 C	
Date19_48	

Serial Number: 95-168 Docket Number: 50-281 Page 83 of 127

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

=									
1.	Owner <u>Virgini</u>	ia Electric a		0	Date 2/19/95	1			
		Name			_	_			
	5000 Dominion	Blvd., Glen Aller Address	ı, Va. 23060		Sheet1	of1		· —	
2	oles Surry P	ower Station			UnitTwo				
2.	rialit	Name			Omt				
	5570 Hog Islan	d Rd., Surry, Va	. 23883	-	WO#00303005-10,				
		Address			Repair Orga	inization F	.O. No., Job No.,		
3.	Work Performed by	Virginia Power	Name		Type Code Symbol StampNA				
		_			Authorization No. Expiration Date				
	s	ame as above Address			expiration bate		NA		
4.	Identification of Sys	stemSafety	/ Injection						
5,	(a) Applicable Cons	struction Code B31	.19	55Edition,	_NAA	ddenda, <u>N</u>	-1, N-7	_Code Case	
	(b) Applicable Edit	ion of Section XI Ut	ilized for Repairs o	or Replacement	is 19 ₈₉				
_			D1						
6.	Identification of Co	mponents Repaired	or Replaced and R	eplacement Co	mponents				
			1 . 140, 1	1					
			L. CAIX					ASME	
			17.15	National		,	Repaired,	Code Stamped	
	Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes	
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)	
					1	İ			
Acc	oustic Trans.								
	Mount	NA NA	NA	NA 	2-SI-109	NA NA	Replacement	No	
			1]]	
						 			
							·		
				<u> </u>					
			<u> </u>		<u> </u>				
		Attach (weld) a	ıcoustic transdı	ucer mounts.					
7. E	Description of Work	Material approx	red for use per	'PTE#_SU-92-0	0136, Rev.O.				
R 1	ests Conducted:	Hydrostatic Pn	eumatic	minal Operating	Pressure				
o		Other Pressure_		Test Temp.		•			
			,						
١	NOTE: Supplement	tal sheets in form of	lists, sketches, or	drawings may	be used, provided (1)	size is 8½	in. x 11 in., (2) i	nforma-	
	tion in items 1 thro recorded at the top		t is included on ea	ach sheet, and	(3) each sheet is nun	nbered an	a the number of s	sneets is	
	ecolued at the top	or ans rount,							

(12/82)

9. Remarks None
Applicable Manufacturer's Data Reports to be attached
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Revenue F conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No. N A Expiration Date NA
Signed W. L. Logue ISI ENGLIE Date Ft. 19 , 19 FS Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Villainia and employed by WSAT and E Co. of
in this Owner's Report during the period 5-1-94 to 5-1-97, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.
D. O. He Wall
Inspector's Signature Commissions Va. 543 National Board, State, Province, and Endorsements
inspector's Signature ivational board, State, Province, and Endorsements
2-20 195
Date19_ 10

Serial Number: 95-168 Docket Number: 50-281 Page 84 of 127

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

, Owner	a Electric a	and Lower CO	' • 	Date_ 3/13/95	_				
5000 Dominion H	Blvd., Glen Aller	ı, Va. 23060		Sheet	of1				
. Plant Surry Po	Address ower Station			Unit Two					
5570 Hog Island	d Rd., Surry, Va.	. 23883		WO#00303005-11,	RR#94-20	6			
	Address			· -		.O. No., Job No.,			
. Work Performed by_	Virginia Power	Name		Type Code Symbol StampNA Authorization No,NA					
g.	ame as above			Expiration Date					
	Address		_			-			
. Identification of Sys	tem <u>Safety</u>	Injection .							
, (a) Applicable Cons	truction Code B31	1 19 !	55 Edition.	NA A	ddenda.	N-1, N-7	Code Cas		
(b) Applicable Edition (b) Applicable Edition					.aaoaa,_		_0000 000		
. Identification of Cor	nponents Repaired	or Replaced and Re	placement Co	mponents					
		1 27.46ft					ASME Code		
			National			Repaired	Stamped		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)		
Component		, ;							
coustic Transducer				 					
Mount	NA.	NA	NA.	2-SI-145	NA	Replacement	No		
	٠.								
	me fine of	1 .]							
	77 77 1 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	, , , , ,							
Daniel a of Mark		, , ,	s to check v	alve to aid in te	sting.				
Description of Work		, , ,	s to check v	alve to aid in te	sting.				
-	Weld acoustic t	ransducer mounts	ninal Operating	Pressure .	sting.				
Tests Conducted:	Weld acoustic t	ransducer mounts		Pressure .	sting.				
Tests Conducted:	Weld acoustic t Hydrostatic Pr Other Pressure	ransducer mounts	ninal Operating	g Pressure ° F	,	in. x 11 in., (2) i	nforma-		

9.	Purchase Order #SY-043088(1)
	Applicable Manufacturer's Data Reports to be attached
Γ	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol StampNA
	Certificate of Authorization No. NA Expiration Date NA Signed Over or Owner's Designee, Title Expiration Date NA Date 3/13 , 19 55
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of
	Hartford, Ct. have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	Inspector's Signature National Board, State, Province, and Endorsements
í	Date19-12

Serial Number: 95-168 Docket Number: 50-281 Page 85 of 127

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

1. Owner Virgin				Date 2/19/95	i			
	Name			-	-			
5000 Dominion	Blvd., Glen Aller Address	1, Va. 23060		Sheet1	of			
2. Plant Surry P	ower Station			UnitTwo				
2. Plant	Name			Unit				
5570 Hog Islan	d Rd., Surry, Va.	23883		WO#00303005-12,	RR#94-20	7		
	Address			Repair Orga	nization F	.O. No., Job No.,	etc.	
3. Work Performed by	Virginia Power			Type Code Symbol StampNA				
		Name		Authorization No.	NA			
s	lame as above			Expiration Date		NA	_	
	Address							
4. Identification of Sys	stemSafety	r Injection						
		1 40	FF M	272				
5. (a) Applicable Cons					∖ddenda, <u>N</u>	-1, N-7	_Code Case	
(b) Applicable Edit	ion of Section XI Uti	ilized for Repairs	or Replacement	\$ 19 <u>89 </u>				
6. Identification of Co	manager Bensired	or Benjaced and E	Penjacomont Co	mponents				
o, Identification of Co	imponents napanad t	or replaced and r	replacement Col	inponents				
			•			T		
				j .			ASME	
•		,				Repaired.	Code Stamped	
Name of	Name of	Manufacturer	National Board	Other	Year	Replaced,	(Yes	
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)	
				 	-	 		
Acoustic Trans. Mount	NA.	NA	NA	2-SI-147	NA	Replacement	No	
	-			 		 -		
•		1			l			
		ţ)						
		[,		1		1	
				<u> </u>	<u></u>			
	Attach (weld) a	coustic transd	ucer mounts.					
7. Description of Work	Material approv	ed for use per	PTE# SU-92-0	0136, Rev.0			<u>-</u>	
		. 🗖						
	•	eumatic No		_				
	Other Pressure_	psi	iest iemp	°F				
NOTE: Consideration	tal abouta in form of	liete ekotabas a	r drawings mov	be used, provided (1)	9170 ie 9 14	in v 11 in /2) i	nforma-	
tion in items 1 thro	ough 6 on this report	t is included on a	each sheet, and	(3) each sheet is nun	nbered and	d the number of	sheets is	
recorded at the top			•					

(12/82)

Remarks _ New E
Applicable Manufacturer's Data Reports to be attached
,
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Research conforms to the rules of the
ASME Code, Section XI. repair or replacement
Type Code Symbol Stamp
Certificate of Authorization No. No. No. Expiration Date No.
Signed W. L. Logen ISI ENGINEER Date FEB 19 , 19 95
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
or Province of Virginia and employed by HSBT and T.Co. Harreas C7. have inspected the components described.
in this Owner's Report during the period $5 - 1 - 97$ have inspected the components describe to $5 - 1 - 97$, and state the components describe to $5 - 1 - 97$.
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the
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 t
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the
inspection.
IV. D. It Parley
Inspector's Signature Commissions National Board, State, Province, and Endorsements
A A
1- ho 19 95
Date19r

Serial Number: 95-168 Docket Number: 50-281 Page 86 of 127

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

=								
1.	Owner Virgin	ia Electric a	and Power Co	0	Date 3/20/95		···	
	5000 Dominion	Blvd., Glen Allen	ı, Va. 23060		Sheet 1 o	f1_		
2.	Plant Surry P	Address Ower Station			Unit TWO			
	5570 Hog Islan	Name ad Rd., Surry, Va.	23883		6 WO#002646 ≸ 8-01,	RR#95-0	06	
		Address			Alighe Repair Organ	nization F	.O. No., Job No.,	etc.
2	Work Parformed by	Virginia Power	7		Type Code Symbol			
ა.	WORK PERIORITIES DY		Name	_	Authorization No			
	s	lame as above Address			Expiration Date	:	NA ·	
4.	Identification of Sys	stemSafety	Injection					
	(b) Applicable Edit	ion of Section XI Uti	lized for Repairs o	or Replacemen		adenda,_	N-1, N-7	_Code Case
			yett, 1	1			1	
	N	Alama af		National	04	Year	Repaired,	ASME Code Stamped (Yes
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Built	or Replacement	l '
	Nut	Nova Machine Products Corp.	Lot#33361002	NA	12"-SI-202-153	NA	Replacement	No
	Bolts	A & G Engin. II, Inc.	Ht.#RN1762	NA	12"-SI-202-153	NA	Replacement	No
	Bushing	Hub, Inc.	Ht.#882009	NA	12"-SI-202-153	NA	Replacement	No
7.	Description of Work	Repair support.	The state of the s		-			
3.		Hydrostatic Pn Other Pressure	eumatic : Nor					
	NOTE: Supplemention in items 1 throrecorded at the top	ough 6 on this report	lists, sketches, or is included on ea	drawings may ach sheet, and	be used, provided (1) (3) each sheet is num	size is 8½ bered an	in. x 11 in., (2) i d the number of	nforma- sheets is

9.	Remarks PO# CSY 345120 (bolts), CSY 362980 (nut), SSY 378622 (bushing)
	Applicable Manufacturer's Data Reports to be attached
_	
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code, Section XI.
İ	
	Type Code Symbol StampNA
	NA NA NA
	Certificate of Authorization No. NA Expiration Date NA
	Signed Designed ISI ENGINEER Date MARCH 20 , 1985
L	
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and amplementation HSBI and I Co.
	Hart ford. Ct.
	in this Owner's Report during the period 5-10-94 to 5-10-97, and state that
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
ŀ	inspection.
	Your J. Corden Commissions Va. 543
	Inspector's Signature National Board, State, Province, and Endorsements
	3-21 - 90
	Date1919

Serial Number: 95-168 Docket Number: 50-281 Page 87 of 127

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

=								
1.	Owner Virgin	ia Electric a	nd Power C	0.	Date 3/20/95			
	5000 Dominion	Name Blvd., Glen Allen	, Va. 23060		Sheet1	of1		
2	Dient Surry I	Address Power Station			Unit Two			
۷.	Flant	Name			Oint			
	5570 Hog Isla	nd Rd., Surry, Va.			WO#00294429-02,			
		Address			Hapair Orga	inization P	.O. No., Job No.,	etc.
3.	Work Performed by	/Virginia Power	Name		Type Code Symbol	=		_
					Authorization No.			
		Same as above Address			Expiration Date		- AW	
4.	Identification of Sy	/stemStean_	Generator Blow	Down				
5.	(a) Applicable Con	struction CodeB31	<u>.119</u>	55 Edition,	_NAA	\ddenda,_	N-1, N-7	_Code Case
	(b) Applicable Edi	tion of Section XI Util	lized for Repairs	or Replacement	ts 1989			
6.	Identification of Co	omponents Repaired o	r Replaced and R	eplacement Co	mponents			
			1 79 77 3			1		[
			Nort	National			Repaired,	ASME Code Stamped
•	Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No,	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
	2" Valve	NA	NA	NA	2-BD-3	NA	Replaced	Мо
	2" Valve	Conval	Fig.12G2	NA	2-BD-3	NA	Replacement	No
	2" Pipe	Dubose National Energy Serv., Inc	Ht.#454864	NA	2-BD-3	NA.	Replacement	No
7.	Description of World	K Replace valve.	96	 		_		
8.	Tests Conducted:	Hydrostatic Pno		minal Operating Test Temp				
	NOTE: Supplemention in items 1 threecorded at the top	ntal sheets in form of ough 6 on this report o of this form.	lists, sketches, or is included on e	r drawings may ach sheet, and	be used, provided (1 (3) each sheet is nur) size is 8½ nbered an	in. x 11 in., (2) id the number of	nforma- sheets is

9. Remarks Cost Cast N416-1 Appeals	
Applicable Manufacturer's Data Reports to be attached	
PO# SSY 139062 (VALVE) PO# CNT 487203(P.)E)	
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this	1
ASME Code, Section XI.	
Type Code Symbol Stamp	_
Certificate of Authorization No. NA Expiration Date	
Signed Owner or Owner's Designee, Title Date Date March 20 , 19 95	-
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by #56 I and I Co. have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions National Board, State, Province, and Endorsements	of d at is
Date	

Serial Number: 95-168 Docket Number: 50-281 Page 88 of 127

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

1.	Owner Virgin	ia Electric a	ınd Power (Date 3/20/95	5			
	5000 Dominion	Blvd., Glen Allen	. Va 23060		Sheet 1	1			
	- Jood Bolkimion	Address	., va. 23060		Sheet	OT	· · · · · · · · · · · · · · · · · · ·		
2.	Plant Surry I	Power Station		<u>_</u>	UnitTwo			<u>. </u>	
		IABINA							
	5570 Hog Isla	nd Rd., Surry, Va.	23883						
		Address			Repair Orga	inization F	.O. No., Job No.,	etc.	
3.	Work Performed by	/Virginia Power			rents 19_89				
			Name		Authorization No.	NA			
		Same as above			Expiration Date		NA		
		Same as above					****		
4.	Identification of Sy	/stemStean_	Generator Blow	_Down				···	
	(b) Applicable Edit	struction Code <u>B31</u> tion of Section XI Uti omponents Repaired o	lized for Repairs	or Replacement	s 19 <u>89</u>	.ddenda,_	N-1, N-7	_Code Case	
			· 					· — —	
			1 7				İ	_	
							}		
		·	to 1.000				Donoised		
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.			Replaced,	(Yes	
	2" Valve	NA	NA	NA	2-BD-52	NA	Replaced	No	
	2" Valve	Conval	Fig.12G2	 NA	2-BD-52	NA	Replacement	Ио	
	2" Pipe	Dubose National Energy Serv., Inc	Ht.#454864	NA.	2-BD-52	NA	Replacement	No	
7.	Description of Work	Replace valve.							
3.	Tests Conducted:		eumatic 🗔 No		Pressure F				
		Other Pressure_	psו psi	iest iemp					
	NOTE: Supplemention in items 1 threecorded at the top	ntal sheets in form of ough 6 on this report of this form.	lists, sketches, o is included on e	r drawings may each sheet, and	be used, provided (1) (3) each sheet is nun	size is 8½ nbered an	in. x 11 in., (2) id d the number of s	nforma- sheets is	

(12/82)

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

.

Remarks PO# SSY 139062 (valve), CNT 487703 (pipe) Applicable Manufacturer's Data Reports to be attached	
CODE CASE NUMBER APPOILS TO THIS REPLACEMENT	
· · · · · · · · · · · · · · · · · · ·	,
We certify that the statements made in the report are correct and this replacement conforms to the rules of ASME Code, Section XI.	f the
Type Code Symbol StampNA	
Certificate of Authorization No. NA Expiration Date NA Signed L. Lorge ISI ENGINEEL Date MARCH 20 , 1985 Owner or Owker's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the or Province of Virginia and employed by HSBI and I Co. Hartford, Ct. have inspected the components described by the National Board of Boiler and Pressure Vessel Inspectors and the National Board of Boiler and Pressure Vessel Inspectors and the or Province of HSBI and I Co.	of
in this Owner's Report during the period 5-10-94 to 5-10-97, and state	te that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described	in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concernic examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with inspection.	ploye
Va. 543 Inspector's Signature Commissions National Board, State, Province, and Endorsement	nts
Date	

Serial Number: 95-168 Docket Number: 50-281 Page 89 of 127

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

=						<u></u>		
1.	Owner Virgin	ia Electric a		<u></u>	Date 3/31/95	5		
	5000 Dominion	Name			Sheet 1	of1		
2.	Plant_Surry F	Address Power Station			UnitTwo			
	EE70 How Taller	Name	22002		WO#00297920_01	DD#05-01	16	
	5570 Hog Islan	Address	. 23883		WO#00287820-01, Repair Orga		P.O. No., Job No.,	etc.
3.	Work Performed by	Virginia Power			Type Code Symbol	Stamp	NA	<u> </u>
	ç	Same as above	Name		Authorization No.	NA	NA NA	
		Address			Expiration Date			-
4	Identification of Sv	Chemic	cal and Volume	Control				
٠.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		· ·	-		-		
5.		struction CodeB31				Addenda,_	N-1, N-7	_Code Case
	(b) Applicable Edit	ion of Section XI Ut	ilized for Repairs	or Replacement	s 19 <u>89</u>			
6.	Identification of Co	mponents Repaired (or Replaced and R	Replacement Cor	mponents			
				National			Repaired,	ASME Code Stamped
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
	Valve	NA	NA	NA	2-CH-256	NA	Replaced	No
	Valve	Edward Valve Co.	Figure # 2"B36174(F316) NA	2-CH-256	NA	Replacement	No
	Pipe	John H. Frischkorn, Jr.	261648	NA	2-CH-256	NA	Replacement	No
	Elbow	John H. Frischkorn, Jr.	It.#6101020 2	NA	2-CH-256	NA	Replacement	No
7.	Description of Work	Replace valve.	Code Case N416	-1 applies to	this replacement	i		
8.			eumatic No	minal Operating	Pressure			
		Other Pressure_	NOP psi	Test Temp	_ <i>NO1</i> °F			
	NOTE: Supplemention in items 1 throrecorded at the top	tal sheets in form of ough 6 on this repor of this form.	lists, sketches, o t is included on e	r drawings may each sheet, and	be used, provided (1) (3) each sheet is nur	isize is 8½ nbered an	in. x 11 in., (2) i d the number of	nforma- sheets is

Remarks		CNT	Г 3603	46	(val	ve),	CSY	. 2 51	1347	(2"	pip	e),	CSY	322	2273	(2"	elbo	(wc
					F	Applica	able Ma	anu fact	turer's	Data	Reports	to b	e attac	hed				
			-			•												
			•															
									- 22									
	IAIo col	-+:f _{\/} , +j-	tha et	-+am	ante ma		RTIFIC.					n]:	cman	٠	for	to ti	م الم	-f tha
ASME Co		-	hat the sta KI.	atemo	3Mts ilias	ae m u	ue isho)II ale	COLLEC	A anu			replace			ns to u	1e ruies	OT THE
	•																	
					. 377	_												
Type Cod	ie Symb	ol Sta	mp		NA	7												
Certificat	te of Au	thoriz	ation No.	·	NA	A		- <u> </u>		Exp	iration	Date		<u>N2</u>	A		· 	
Signed $ ot\!$	D. J. Owner	or Ove	ecs	2 ر	ZSZ 18, Title	<u>- 2</u>	wan	<u>EE1</u>	2		. Date	M	rey	3/			_, 192	75
						ERTI	FICAT	E OF	INSER	VICE	INSPE	CTIO	N					
I, the und			ding a vali ginia													-		he State
in this O	,	TT	L E	α	_	-	-	-										
to the be	-	-	_		•			•					aken co	orrecti	ve mea	asures c	describe	d in this
Owner's F					•					•			av		-1 je			-t the
By sig examinati			tificate ne rective me															
shall be li										•			•		-			
inspection		•	^	Λ		١ _	•		•	_			•					
	$\left(\right)$. D.	#!	Y.	10	_()_							٧a.	543				
		<u>عدن (</u> Insp	ector's S	ignat			<u>~</u>	_ Comr	missior	ns	Nationa	l Boa			vince,	, and E	ndorsem	nents
					_	~_												
Date		$\underline{\hspace{1cm}} \nu$	<u> </u>		_19_7	<u>3</u>	_											
							٠,											

Serial Number: 95-168 Docket Number: 50-281 Page 90 of 127

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

_								
1.	Owner Virginia	a Electric and Pow	er Co.		Date4/3/95			
		Name					-	
	5000 Dominion	Blvd., Glen Allen	, Va. 23060		Sheet1	of1	· 	
		Address			•			
2.	Plant Surry Po	ower Station Name			UnitTwo			
	5570 Hog Tela	nd Rd., Surry, Va.	23883		WO#00287792-02	PR#95	-017	
	- Oro Hog Istai	Address	23003			-	O. No., Job No.,	etc.
2	Work Parformed by				Type Code Symbol	Stamp		
٥.	WOLK FEHOLIHED D	√ - Virginia Power	Name	_				
	!	Same as above			Authorization No Expiration Date		NA	
		Address	-	-				
4.	Identification of Sy	ystem Reacto	r Coolant					
							4 7	
5.		nstruction CodeB31				ddenda,_	N-1, N-7	_Code Case
	(b) Applicable Edi	tion of Section XI Uti	lized for Repairs	or Replacement	s 19			
_								
6.	Identification of C	omponents Repaired o	or Replaced and F	replacement Cor	nponents			
Г	 							
						İ		ASME
							Danatural	Code
	Name of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced,	Stamped (Yes
ŀ	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	
	•							}
\vdash	Valve	NA	NA	NA	2-RC-160	NA NA	Replaced	No
			7089-1159		2 00 4/0	NA.	Dani a a amant	"
\vdash	Valve	McJunkin Corp.	K21942	NA	2-RC-160	NA	Replacement	No
	Pipe -	HUB, Inc.	Ht.#L32024-CE	NA	2-RC-160	NA	Replacement	No
-		Dubose National					· ·	-
ĺ	WN Flange	Energy Serv., Inc	.Ht.#C4357	NA	2-RC-160	NA	Replacement	No
Г		_		,				
			'					
L							<u> </u>	
					•			
7.	Description of Wor	^k - Replace valve C	ode Case N416-	1 applies.				
_	Tark Oardurad	Handwara-At- Du	NI-		. n			
8.	Tests Conducted:	Hydrostatic Pn Other Pressure_	eumatic No	minal Operating	Pressure			
		Calei [Fiessule_	han hai	rear remp				
	NOTE: Suppleme	ntal sheets in form of	lists, sketches, o	r drawings mav	be used, provided (1)	size is 8½	in, x 11 in., (2) i	nforma-
	tion in items 1 the	rough 6 on this repor	t is included on e	each sheet, and	(3) each sheet is nun	nbered an	d the number of	sheets is
	recorded at the top	of this form,						

Remarks <u>PC</u>	#CNT-457107 (valve), SSY-355238 (pipe), CNT-480806 WN flange
	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
Me ce	tify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the
ASME Code, Sec	renair or renlecement
	,
Type Code Symb	ool StampNA
	,
Certificate of Au	thorization No. NA Expiration Date NA
	•
Signed	Locus IST Excuses Date April 3 , 19 95
Owner	or Owner's Designee, Title
· · · · ·	
	CERTIFICATE OF INSERVICE INSPECTION
	d, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
	Virginia and employed by HSBI and I Co.
Har	The strong of the components described the co
n this Owner's	Report during the period $\frac{5-10-94}{10}$ to $\frac{5-70-77}{10}$, and state th
to the best of m	y knowledge and belief, the Owner has performed examinations and taken corrective measures described in the
Owner's Report	in accordance with the requirements of the ASME Code, Section XI.
By signing th	is certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to
xaminations an	d corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ
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
inspection.	^
(,),(Real L. (Van De _ Va. 543
	Inspector's Signature Commissions Va. 543 National Board, State, Province, and Endorsements
	Tational Board, Otato, 1 Toyline, and Endorsements
	4-4 01
Date	

Serial Number: 95-168 Docket Number: 50-281 Page 91 of 127

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

1.								
••	Owner Virgin:	ia Electric a		o	Date_3/20/95			
	5000 Dominion	Blvd., Glen Aller	n. Va. 23060		Sheet1	. 1		
		Address			Sneeto	·*		
_	Plant Surry P	ower Station			Ow ^T			
2.	Plant_Burry F	Name	·		UnitTwo			
	5570 Wass T-1				MOHODO CORRO DA	nnllor or	•	
	5570 HOG ISIAN	Address	. 23883		W0#00308272-01,		.o. No., Job No.,	
			_		riepan Olga	1112811011 F		
3.	Work Performed by		Name		Type Code Symbol	•	-	
			1491116		Authorization No			
		ame as above			Expiration Date		NA	
		Address						
4.	Identification of Sy	stem Chemic	al and Volume C	Control				
5	(a) Applicable Con-	struction Code B31	.119	55 Edition.	NA A	ddenda.	N-1, N-7	Code Case
		ion of Section XI Ut						
	(b) Applicable Fall	1011 01 00011011 711 01		, , , , , , , , , , , , , , , , , , ,				
_	1-1		Basissad and B					
6.	Identification of Co	mponents Repaired	or neplaced and n	epiacement Coi	mponents			
_			11. 11. 11.		7			1
			1					ASME
]					İ	Code
				National			Repaired,	Stamped
	Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
	,							
			, 1					
			j					
	Studs	NA	NA.	NA	2-CH-MOV-2286A	NA	Replaced	No
	Nuts	NA .	NA NA	NA	2-CH-MOV-2286A	NA	Replaced	No
		1		NA.	2-CH-MOV-2286A	NA	Replacement	No
	Stude	Mackson Inc	I HE #M51499 I					INC
	Studs	Mackson, Inc.	Ht.#M51482		Z-CII-MOV-ZZ88A		Nopago meno	
								No
	Studs Nuts	Mackson, Inc.	Ht.#M51482 Ht.#8097521	NA	2-CH-MOV-2286A	NA	Replacement	No
								No
								No
		Mackson, Inc.	Ht.#8097521	NA.		NA		No
7.		Mackson, Inc.	Ht.#8097521	NA.		NA	Replacement	No
7.	Nuts	Mackson, Inc.	Ht.#8097521	NA.		NA	Replacement	No
	Nuts Description of Work	Mackson, Inc. Replace body to	Ht.#8097521	NA.	2-CH-MOV-2286A	NA	Replacement	No
	Nuts Description of Work Tests Conducted:	Mackson, Inc. Replace body to	Ht.#8097521 bonnet fastene	NA	2-CH-MOV-2286A	NA	Replacement	No
	Nuts Description of Work Tests Conducted:	Mackson, Inc. Replace body to	Ht.#8097521 bonnet fastene	ninal Operating	2-CH-MOV-2286A	NA	Replacement	No
	Nuts Description of Work Tests Conducted:	Mackson, Inc. Replace body to Hydrostatic Processure_	Ht.#8097521 bonnet fastene seumatic Norpsi	NA Pres. minal Operating Test Temp.	2-CH-MOV-2286A	NA	Replacement	
	Nuts Description of Work Tests Conducted: NOTE: Supplemen	Mackson, Inc. Replace body to Hydrostatic Pr Other Pressure tal sheets in form of	Ht.#8097521 bonnet fastene eumatic Nor psi	ninal Operating Test Temp	2-CH-MOV-2286A Pressure° F be used, provided (1)	NA size is 8½	Replacement	nforma-
	Nuts Description of Work Tests Conducted: NOTE: Supplemen	Mackson, Inc. Replace body to Hydrostatic Prother Pressure_ tal sheets in form of bugh 6 on this report	Ht.#8097521 bonnet fastene eumatic Nor psi	ninal Operating Test Temp	2-CH-MOV-2286A	NA size is 8½	Replacement	nforma-

9.	Remarks PO# BNT 467650, Rel 24 (studs), CNT 435455 (nuts)
	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the
ŀ	ASME Code, Section XI. repair or replacement
	Type Code Symbol StampNA
	Certificate of Authorization No. NA Expiration Date NA
l	
	Signed W. L. Locus IST ENGINEER Date MARCH 20 , 19 95
i	Owner or Owder's Designee, Title
_	
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	or Province of Virginia and employed by HSBI and I Co. of
	Hartford, Cthave inspected the components described
	in this Owner's Report during the period 5-10-94 to 5-10-97, and state that
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
	shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
	inspection.
	Valor to Valor
	Inspector's Signature Commissions National Board, State, Province, and Endorsements
	0-91 01
	Date

Serial Number: 95-168 Docket Number: 50-281 Page 92 of 127

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

	Owner	ia Electric a	and Power (Co.	4/26/9! Date	5		
	Owner	Name			Date			-
	5000 Dominion	Blvd., Glen Aller	n, Va. 23060		1 Sheet	of2	•	
		Address			Sneet(JI	· · · · · · · · · · · · · · · · · · ·	
	Plant	Power Station			Two			
•	r Idrit	Name			OIIIt		·	
	5570 Hog Isla	nd Rd., Surry, Va.	23883		WO#00295300-07,	RR#95-0	21	
		Address			Repair Orga	nization P	.O. No., Job No.,	etc.
	Work Performed by	Virginia Power	•		Type Code Symbol	Stamp	NA	
	, , , , , , , , , , , , , , , , , , ,		Name		Authorization No.	NΤΔ		
		Same as above			Expiration Date			
		Address		-				
	Identification of Sy	stemMain &	Steam	·····				
	(a) Applicable Con	struction CodeB31	19	55Edition,	A	ddenda,_	N-1, N-7	Code Case
	(b) Applicable Edit	ion of Section XI Util	ized for Repairs	or Replacement	s 19 <u>89</u>			
	Identification of Co	mponents Repaired o	r Replaced and R	leplacement Coi	mponents			
_					·			
					ł			
	v **v	, 4				1 5 1		ASME
		,		Al-ataI			Repaired,	Code Stamped
	Name of	Name of	Manufacturer	National Board	Other	Year	Replaced,	(Yes
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
	·							
_						ļ		,
	mul at 7	Consolidated	Ht. Code	272	2 MG MD 0	272	Benlagement	No
	Tube Steel	Power Supply	32582	. NA	2-MS-TD-9	NA	Replacement	NO
					1			
_	II-Rolt	Grinnell Corp.	Fig. 137N	NA	2-MS-TD-9	NA.	Replacement	No
_	U-Bolt	Grinnell Corp.	Fig. 137N	NA	2-MS-TD-9	NA	Replacement	No
_		Grinnell Corp. Dubose National Energy Serv.	Fig. 137N	NA 	2-MS-TD-9	NA NA	Replacement Replacement	No No
1	U-Bolt	Dubose National					_	
_	1/2" Coupling	Dubose National Energy Serv.	Ht. Code BAX	NA ,	2-MS-TD-9	NA	Replacement	No
	1/2" Coupling	Dubose National Energy Serv.	Ht. Code BAX				_	
_	1/2" Coupling 1/2" X 3/4" Coupling	Dubose National Energy Serv. Dubose National Energy Serv. Energy &	Ht. Code BAX Ht.Code 044D or 036D	NA NA	2-MS-TD-9 2-MS-TD-9	NA NA	Replacement	No No
_	1/2" Coupling	Dubose National Energy Serv. Dubose National Energy Serv.	Ht. Code BAX	NA ,	2-MS-TD-9	NA	Replacement	No
:	1/2" Coupling 1/2" X 3/4" Coupling 1 1/2" Tee	Dubose National Energy Serv. Dubose National Energy Serv. Energy & Process Corp.	Ht. Code BAX Ht.Code 044D or 036D Ht.# K6R	NA NA	2-MS-TD-9 2-MS-TD-9 2-MS-TD-9	NA NA	Replacement Replacement	No No
	1/2" Coupling 1/2" X 3/4" Coupling 1 1/2" Tee	Dubose National Energy Serv. Dubose National Energy Serv. Energy &	Ht. Code BAX Ht.Code 044D or 036D Ht.# K6R	NA NA	2-MS-TD-9 2-MS-TD-9 2-MS-TD-9	NA NA	Replacement Replacement	No No
	1/2" Coupling 1/2" X 3/4" Coupling 1 1/2" Tee Description of Work	Dubose National Energy Serv. Dubose National Energy Serv. Energy & Process Corp.	Ht. Code BAX Ht.Code 044D or 036D Ht.# K6R	NA NA NA ated piping.	2-MS-TD-9 2-MS-TD-9 2-MS-TD-9 Design Change DCP	NA NA	Replacement Replacement	No No
•	1/2" Coupling 1/2" X 3/4" Coupling 1 1/2" Tee	Dubose National Energy Serv. Dubose National Energy Serv. Energy & Process Corp. Replace steam to	Ht. Code BAX Ht.Code 044D or 036D Ht.# K6R cap and associ	NA NA NA ated piping.	2-MS-TD-9 2-MS-TD-9 2-MS-TD-9 Design Change DCP	NA NA	Replacement Replacement	No No
	1/2" Coupling 1/2" X 3/4" Coupling 1 1/2" Tee Description of Work	Dubose National Energy Serv. Dubose National Energy Serv. Energy & Process Corp.	Ht. Code BAX Ht.Code 044D or 036D Ht.# K6R cap and associ	NA NA NA ated piping.	2-MS-TD-9 2-MS-TD-9 2-MS-TD-9 Design Change DCP	NA NA	Replacement Replacement	No No
	1/2" Coupling 1 1/2" X 3/4" Coupling 1 1/2" Tee Description of Work	Dubose National Energy Serv. Dubose National Energy Serv. Energy & Process Corp. Replace steam to	Ht. Code BAX Ht.Code 044D or 036D Ht.# K6R rap and associ	NA NA ated piping. minal Operating Test Temp.	2-MS-TD-9 2-MS-TD-9 2-MS-TD-9 Design Change DCP	NA NA NA	Replacement Replacement Replacement	No No No

(12/82)

9. Re	marks
	Applicable Manufacturer's Data Reports to be attached
_	
	
_	
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the
AS	SME Code, Section XI.
	NTA.
Ту	pe Code Symbol StampNA
Cer	rtificate of Authorization No. NA Expiration Date NA
Sig	owner or Owner's Designee, Title Date April 26 , 1995
	CERTIFICATE OF INSERVICE INSPECTION
	the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or	Province of Virginia and employed by HSBI and I Co. of Hartford, Ct.
in.	this Owner's Report during the period $5-10-94$ to $5-10-97$ and state that
	the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	vner'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
exa	aminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
	all be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
ins	pection.
	Pobert J. Certar Commissions Va. 543
	Inspector's Signature National Board, State, Province, and Endorsements
Da	te5-119_43

Serial Number: 95-168 Docket Number: 50-281 Page 93 of 127

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

=								
1.	Owner	ia Electric a	and Power	Co.	4/26/9	95		
•		Name Blvd., Glen Alle	23060		2	2		
					Sheet	of		
_	_ Surry I	Address Power Station	1		Two			
2.	PlantSurry	Name			Unit			
		nd Rd., Surry, Va			WO#00295300-07	, RR#95-0	21	
		Address			Repair Org	anization P	.O. No., Job No.,	etc.
3.	Work Performed by	Virginia Powe	r		Type Code Symbo		NA	
			Name		Authorization No.	-		
		Same as above Address			Expiration Date_	NA_		
	lala arti artina at ma	stemMain	Steam					
4.	identification of Sy	stem						
5.	(a) Applicable Con	struction CodeB3	^{1.1} 19	55 Edition.	NA	Addenda	N-1, N-7	_Code Case
		ion of Section XI Uti						
	,-, . ,-,	-	•	·				
6.	Identification of Co	mponents Repaired o	r Replaced and F	Replacement Co	mponents			
_								
ı						1		40145
								ASME Code
		İ		National		1	Repaired,	Stamped
	Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
		Dubose National	Ht. Code	377	0 MG IIID 0	\	Banlassont	No
<u> </u>	1 1/2" Elbow	Energy Serv.	R7J_	, NA	2-MS-TD-9	NA NA	Replacement	NO
	1 1/2" Pipe	Tioga Pipe Supply Co.	3M02784	NA	2-MS-TD-9	NA	Replacement	No
	* Globe Valve	Yarway Corp.	NA	NA	2-MS-TD-9	NA	Replacement	No
 	· · · · · · · · · · · · · · · · · · ·	<u> </u>	-					
	2"X 2"X 1/4"	Energy &	U4 #CE_E339	, NA	2 - MG - TD - 9	NA	Replacement	No
┝	Angle	Process Corp	Ht.#C5-5239	NA	2-MS-TD-9	INA	Repracement	NO
	1/4" Flat Bar	Energy Steel & Supply Co.	Ht.# 431019	AN	2-MS-TD-9	NA.	Replacement	No
							-	
7.	Description of Work	(* Globe valve a	cceptable for	use per PTE#	SY019002.A00.			
					_	- -		
8.	Tests Conducted:	Hydrostatic Pn	eumatic 🔲 No	ominal Operatin	g Pressure 🗹			
		Other Pressure_	psi Pov	Test Temp	<i>NoT</i> °F			
		ntal sheets in form of						
	tion in items 1 thre	ough 6 on this report	r is included on (eacn sneet, and	each sheet is nu وي	ımpered an	a the number of	sneets is

(12/82)

recorded at the top of this form.

PO# SY-387981, CNT-446097, CNT-455210, CNT-477960, CNT-471799, Remarks
Applicable Manufacturer's Data Reports to be attached
CNT-476228, CNT-463210, CNT-491666, CNT-486968.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this replacement conforms to the rules of the
ASME Code, Section XI.
Type Code Symbol StampNA
NA NA NA
Certificate of Authorization No, NA Expiration Date NA
Signed W-L-Roses IST ENGINEER Date April 26 , 19 95
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct.
have inspected the components described
in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.
Va. 543
Inspector's Signature National Board, State, Province, and Endorsements
τ , or
Date

Serial Number: 95-168 Docket Number: 50-281 Page 94 of 127

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

_								
1.	OwnerVirgin	ia Electric	and Power	Co.	Date4/24/95	5		
•		Name	-					
	5000 Dominion	Blvd., Glen Alle	n, Va. 23060		Sheetc	f_{-}	•	
		Address				-		
2	PlantSurry F	Power Station	ı		Unit			
		Name				-		
	5570 Hog Islar	nd Rd., Surry, Va	. 23883		WO#00287270-01,	RR#95-0	25	
		Address	 -		Repair Orga	nization P	.O. No., Job No.,	etc.
3	Work Performed by	Winginia Bawa	~~		Type Code Symbol	Stamp	NYA	
٠.	110111 10110111100 07	viginia_eowe	Name		Authorization No.	373		
	ś	Same as above			Expiration Date			
		Address						
4	Identification of Sys	stem Main	Steam					
••								
5	(a) Applicable Cons	truction Code B3	^{1.1} 19	⁵⁵ Edition	NAA	ddenda	N-1, N-7	Code Case
٥.		on of Section XI Uti					· · · · · · · · · · · · · · · · · · ·	_0000 0030
	(b) Applicable Fall	on or occuon xi ou	neca for frepairs	or replacement	. 10			
6.	Identification of Cor	mponents Repaired o	or Replaced and F	Replacement Con	nponents			
				i ·			 	г —
				•				ASME
					,	-		Code
				National			Repaired,	Stamped
	Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
					<u> </u>		ļ	
. · 3	/8" Capscrews	NA .	NA	NA NA	2-MS-176	NA.	Replaced	No
_	4- n '	, _	!!					
3	/8" Capscrews	Mackson, Inc.	Lot# 490061	NA.	2-MS-176	NA.	Replacement	No
								•
				,		_		
		· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·	
,	Description of Work	D-u1 b						
•	Description of Work	<u>keplace_bonnet</u>	capscrews.	-			·····	
0	Tests Conducted:	Hydrostatic Pn	eumatic No	minal Operating	P			
о,		Other Pressure_						
		Other Fressure_	psi	rest remp	г			
			Managara da da da			alma !- Off	in 44 :- /0\ '	mfaur-
	NOTE: Supplement	tal sheets in form of ough 6 on this report	usts, sketches, c	or drawings may l	oe usea, providea (1) 3) each sheet is pun	size is 8% hered an	tin. X I I III., (2) I d the number of s	morma- sheets is
			i is included on t	Lucii siluct, allu (o, egun aneet is iluli		a the namper of	,
	recorded at the top	of this form						

(12/82)

. Remarks <u>PO# CNT-456546</u>	
Applicable Manufacturer's Data Reports to be attached	
·	<u>-</u>
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	the
ASME Code, Section XI.	•
Type Code Symbol StampNA	
Type Code Symbol Stamp	
Certificate of Authorization No. NA Expiration Date NA	
O(1)	
Signed W. R. Roger IST ENGINEER Date April 24 , 19 93	
Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the or Province of Virginia and employed by HSBI and I Co.	State of
Hartford, Cthave inspected the components desc	ribed
in this Owner's Report during the period 5-10-94 to 5-10-97, and state	that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in	ı 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	g the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his emp	-
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.	
Va. 543	
Inspector's Signature Commissions National Board, State, Province, and Endorsemen	ts
Date5-(195	

Serial Number: 95-168 Docket Number: 50-281 Page 95 of 127

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

						·	
1. Owner Virgin	ia Electric a	and Power	Co	Date			
5000 Dominion	Blvd., Glen Alle	n, Va. 23060		Sheet		•	
	Address			Sileet	JI		
2. PlantSurry E	Power Station	L		Two			
z. rialit	Name			OIIIL		 _	<u> </u>
5570 Hog Islan	nd Rd., Surry, Va	. 23883		WO#00293247-01,	RR#95-0	26	
	Address			Repair Orga	nization P	2.O. No., Job No.,	etc.
3. Work Performed by	Tri mederic Daves						
5. Work Feriorined by	Virginia Powe	Name	<u>-</u>	Type Code Symbol Authorization No.	ΝΆ	NA	
	Same as above			Expiration Date			-
	Address		•	Expiration Date			
4. Identification of Sys	stem Main	Steam					
			·-				
5. (a) Applicable Cons	struction CodeB3	^{1.1} 19	Edition,.	A	ddenda,_	N-1, N-7	_Code Cas
(b) Applicable Edit	ion of Section XI Uti	lized for Repairs	or Replacement	s 19 ⁸⁹			
6. Identification of Co	mponents Repaired o	or Replaced and F	Replacement Cor	nponents			
			National			Repaired,	ASME Code Stamped
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
3/8" Capscrews	NA.	NA	. NA	2-MS-178	NA	Replaced	No
3/8" Capscrews	Mackson, Inc.	Lot# 490061	NA	2-MS-178	NA	Replacement	No _
			·				
7. Description of Work	Replace bonnet	capscrews.		·			.
3. Tests Conducted:	_		ominal Operating Test Temp	 .			
	tal sheets in form of ough 6 on this report of this form.						

(12/82)

Remarks	Applicable	e Manufacturer's Da	ata Reports to be attached	
	•			
		 .		
				<u>-</u>
		IFICATE OF COMP		
•	ants made in the	report are correct a	and this <u>replacement</u> confo	rms to the rules of the
ASME Code, Section XI.				
Tuna Cada Sumbal Stamp	NA			
Type Code Symbol Stamp				·
Certificate of Authorization No	NA	۱ ،	Expiration DateNA	
Signed 4 h. Locus	ISI EN	GINEER	Date April 24	سيم 8 19
Owner or Owner's Designe	e, Title			, 10
	CERTIFIC	CATE OF INSERVI	CE INSPECTION	
I, the undersigned, holding a valid co	mmission issued	by the National Bo	ard of Boiler and Pressure Vessel	Inspectors and the State
or Province of Virginia	and employ	yed by	HSBI and I Co.	of
Hartford, Ct	: •	·	have inspected the	components described
in this Owner's Report during the	period	<u> 5-10-94</u>	to 5-10-97	, and state that
to the best of my knowledge and b	elief, the Owner	has performed example	minations and taken corrective m	easures described in this
Owner's Report in accordance with t	he requirements	of the ASME Code,	, Section XI.	
By signing this certificate neithe	the Inspector n	nor his emptoyer m	akes any warranty, expressed or	implied, concerning the
examinations and corrective measure	es described in	this Owner's Repo	rt. Furthermore, neither the Insp	ector nor his employer
shall be liable in any manner for any	personal injury	or property damage	e or a loss of any kind arising fron	or connected with this
inspection.				
(2001	(Val)		Tr-	
Inspector's Signat	Work The State of the State of	Commissions _	Va. 543 National Board, State, Province	and Endorromonts
mapoctor's digital	416		ivational board, State, Provinc	o, and Endorsements
5 1	ac			
Date. 3-1				

Serial Number: 95-168 Docket Number: 50-281 Page 96 of 127

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 and Power Co. Name Source Name Name	 		<u> </u>					
Address 2. Plant Surry Power Station Name 5570 Hog Island Rd., Surry, Va. 23883 Address 3. Work Performed by Virginia Power Same as above Address Chemical and Volume Control 5. (a) Applicable Construction Code B31.1 19 E5 Edition, NA Address (b) Applicable Edition of Section XI Utilized for Replaced and Replacements 19 89 6. Identification of Components Repaired or Replaced and Replacement Components Name of Manufacturer Serial No. No. Identification of Replaced, Or Replaced, No. Identification of Components Repaired or Replaced and Replacement Components Name of Component Name of Manufacturer Serial No. No. Identification of Replaced, Or Replaced, No. Identification No. No. Replaced Trim assembly Copes-Vulcan No. No. 2-CH-HCV-2311 No. Replaced Trim assembly Copes Vulcan S711-96323 No. 2-CH-HCV-2311 No. Replaced Trim assembly Copes Vulcan No. No. No. No. No. No. Replaced Trim assembly Copes Vulcan No. No. No. No. No. No. No. No. No. No.	1. Owner <u>Virgin</u>			<u> </u>	Date <u>3/31/95</u>	5		
2. Plant Surry Power Station	5000 Dominion		n, Va. 23060		Sheet 1	of1_		
Mork Performed by	2. Plant Surry I	Power Station			Unit Two			
Address Work Performed by Virginia Power Name Same as above Address Chemical and Volume Control Address Chemical and Volume Control Addendes, Name Althorization No. Na Expiration Date Name Authorization No. Na Expiration Date Name Addendes, Name Addend	EE70 Ham Talo				WO!!! 0000000000000000000000000000000000	DDUOT O	••	
Name Same as above Authorization No. NA Expiration Date NA NA Expiration Date NA NA Addends NA NA Addends NA NA NA NA NA NA NA N	3570 nog Isla		. 23883					etc.
Address Chemical and Volume Control Identification of System	. Work Performed by	/Virginia Powe			•			<u> </u>
Chemical and Volume Control Chemical and Volume Control (a) Applicable Construction Code		Same as above	1401116					
Identification of System					expiration Date			
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_89 i. Identification of Components Repaired or Replaced and Replacement Components Name of	. Identification of Sy	/stemChemi	cal and Volume	Control	-			
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_89 3. Identification of Components Repaired or Replaced and Replacement Components Name of Component				uu Edisiaa		\ al-dd-		0-4-0-
Name of Component Name of Manufacturer Serial No. Name of Component Name of Manufacturer Serial No. Name of Component Name of Manufacturer Serial No. Trim assembly Copes-Vulcan NA NA 2-CH-HCV-2311 NA Replaced or Replacement 8711-96323 NA 2-CH-HCV-2311 NA Replacement 8711-96323 NA 2-CH-HCV-2311 NA Replacement 8711-96323 NA 2-CH-HCV-2311 NA Replacement 8711-96323 NA 2-CH-HCV-2311 NA Replacement 8711-96323 NA 2-CH-HCV-2311 NA Replacement 8711-96323 NA 2-CH-HCV-2311 NA Replacement 8711-96323 NA 2-CH-HCV-2311 NA Replacement 9711-96323 NA 2-CH-HCV-2311 NA NA NA NA NA NA NA NA NA NA NA NA NA						Addenda,_	N-1, N-7	_Code Cas
Name of Component Name of Manufacturer Serial No. No. No. No. No. No. No. No.	(b) Applicable Edit	Hon or occupit XI or	mred to, respairs	or replacement				
Name of Component Name of Manufacturer Serial No. Name of Component Name of Manufacturer Serial No. No. Identification Paulit Pear Board Identification Built Pear Built Paulit Pear Board Identification Paulit Pear Built Pear Board Identification Paulit Pear Board Pear Built Pear Board Pear Boar	6. Identification of Co	omponents Repaired	or Replaced and F	Replacement Co	mponents			
Name of Component Name of Manufacturer Serial No. No. Other Jear Replaced, or Replaced, or Replaced, or Replaced, or Replaced or Replacement Trim assembly Copes Vulcan Job# 8711-96323 NA 2-CH-HCV-2311 NA Replacement Description of Work Replace trim assembly. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Cother Pressure psi Test Temp. 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) in			11 71			1		I
Name of Component Name of Manufacturer Serial No. No. Other Jear Replaced, or Replaced, or Replaced, or Replaced, or Replaced or Replacement Trim assembly Copes Vulcan Job# 8711-96323 NA 2-CH-HCV-2311 NA Replacement Description of Work Replace trim assembly. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Cother Pressure psi Test Temp. 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) in				Į.				ASME
Name of Component Name of Manufacturer Serial No. No. Other Jear Replaced, or Replaced, or Replaced, or Replaced, or Replaced or Replacement Trim assembly Copes Vulcan Job# 8711-96323 NA 2-CH-HCV-2311 NA Replacement Description of Work Replace trim assembly. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Cother Pressure psi Test Temp. 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) in				National			Repaired.	Code Stamped
Trim assembly Copes-Vulcan NA NA 2-CH-HCV-2311 NA Replaced Trim assembly Copes Vulcan 8711-96323 NA 2-CH-HCV-2311 NA Replacement Description of Work Replace trim assembly. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Cother 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) in	Name of	*		Board]	Year	Replaced,	(Yes
Trim assembly Copes Vulcan 8711-96323 NA 2-CH-HCV-2311 NA Replacement Description of Work Replace trim assembly. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. F NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) in	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
Trim assembly Copes Vulcan 8711-96323 NA 2-CH-HCV-2311 NA Replacement Description of Work Replace trim assembly. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. F NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) in	modes a second las	Gamas Malassa	N7.		o GV VGT onda		h	
Trim assembly Copes Vulcan 8711-96323 NA 2-CH-HCV-2311 NA Replacement Description of Work Replace trim assembly. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. F NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) in	Trim assembly	Copes-vulcan	 	NA NA	2-CH-HCV-2311	NA NA	Replaced	No
Description of Work Replace trim assembly. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. F NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) in	Trim assembly	Copes Vulcan		NA	2-CH-HCV-2311	NA	Replacement	Мо
Description of Work Replace trim assembly. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. F NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) in								
Description of Work Replace trim assembly. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. F NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) in								
Description of Work Replace trim assembly. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. F NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) in						-		
. Description of Work Replace trim assembly. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. F NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) in			<u> </u>		,		<u> </u>	<u> </u>
Other Pressure psi Test Temp. F NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) in	. Description of Work	Replace trim as	ssembly.				· 	
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) in	. Tests Conducted:	Hydrostatic Pr			_			
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) in		Other Pressure_	psi	Test Temp	°F			
stor in terms 4 Abraugh C an able report is included an each short and /2) each short is numbered and the number of sh	NOTE: Supplemen	ntal sheets in form of	f lists, sketches. o	or drawings may	be used, provided (1)	size is 8½	in. x 11 in., (2) i	nforma-
	tion in items 1 thre	ough 6 on this repor	t is included on e	ach sheet, and	(3) each sheet is nur	nbered an	d the number of	sheets is
recorded at the top of this form.	recorded at the top	of this form,						

(12/82)

Remarks	PO# SY 139051				
		Applicable Ma	nufacturer's Data Re	eports to be attached	
		CERTIE	ATE OF COMPLIAN		
We ASME Code,	certify that the statem Section XI.				to the rules of the
Type Code Sy	/mbol Stamp	NA			·
Signed	Authorization No	IST EN	Expir	ation Date NA	, 1995
_ 		CERTIFICATE	OF INSERVICE II	NSPECTION	
	, Virginia	and employed b	he National Board o	f Boiler and Pressure Vessel Insp HSBI and I Co.	ectors and the State
	HartIord, Ct	· •		have inspected the conto	mponents described
				tions and taken corrective measu	
	ort in accordance with t	•			
examinations	and corrective measur	res described in this	Owner's Report. F	any warranty, expressed or imp urthermore, neither the Inspect loss of any kind arising from or	or nor his employe
inspection.	best f. E	Poder	. Commissions	Va. 543	_
	Inspector's Signat	:ure	Na	ational Board, State, Province, a	nd Endorsements
Date	4-3	1995			•

Serial Number: 95-168 Docket Number: 50-281 Page 97 of 127

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

_								
_	Virgin	ia Electric	and Power	Co.	Date4/5/95	-		
1.	Owner	Name			Date			
	5000 Dominion	Blvd., Glen Alle	n, Va. 23060		Share 1	of. 1		
		Address			Sheet	οτ		
2	Plant Surry I	Power Station	1		UnitTWO			
۷.	riant	Name			Ont			
	5570 Hog Isla	nd Rd., Surry, Va	. 23883		WO#00292986-04,	RR#95-0	29	
		Address			Repair Orga	nization f	.O. No., Job No.,	etc.
2	Work Performed by				Type Code Symbol	Stamp		
٥.	Work Performed by <u>virginia Power</u> Name Same as above				Authorization No.	372	NA	-
					Expiration Date			
		Address			-Aprilation Bato			
4	Identification of Sv	stemReact	or Coolant					
•	,							
5.	(a) Applicable Con	struction CodeB3	^{1.1} 19	55 Edition.	NA A	ddenda.	N-1, N-7	_Code Case
		ion of Section XI Uti				, -		
	(#) ((P)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			* 1- 89-			
6	Identification of Co	emponents Repaired o	or Replaced and F	Replacement Co	mponents			
٠.				Topiagomonic Go.	mpononts			
			1.1	1				
						1		ASME
ľ					1		Dan to a	Code
	NI	N	M6	National	0.4		Repaired, Replaced,	Stamped (Yes
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	or Replacement	1
ĺ	Component	Wallaracturer	Serial IVO.	140.	identification	Built		
L					j.			
			,					
<u> </u>	Bolts	Westinghouse	4936A23H11	AN	2-RC-P-1A	NA	Replaced	No
	D.16-	100 miles also also anno	4026202111				D1	27-
-	Bolts	Westinghouse	4936A23H11	NA.	2-RC-P-1A	NA	Replacement	No
				İ				
_		-		·		-	-	
						ł		
			<u> </u>		-	ļ		
						1	ļ	<u>l</u>
		- 7 "0			•			
7.	Description of Work	Replace #2 sea	l house bolts.					
8.	Tests Conducted:	·		ominal Operating				
		Other Pressure_	psi	Test Temp	°F			
								_
	NOTE: Supplemen	tal sheets in form of	lists, sketches, o	or drawings may	be used, provided (1)	size is 8½	in. x 11 in., (2) i	informa-
	tion in items 1 thro	ough 6 on this report	t is included on (each sheet, and	(3) each sheet is nur	npered an	a the number of	sneets is
	recorded at the top	or this form,						

(12/82)

. Remarks_	PO# NS-163974 (#2 seal house bolts)
	Applicable Manufacturer's Data Reports to be attached
•	
<u> </u>	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 report or replacement.
Type Code	e Symbol StampNA
Signed	e of Authorization No. NA Expiration Date NA Owner or Owner's Designee, Title Expiration Date NA Expiration Date NA Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
or Provinc	lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State se of Virginia and employed by HSBI and I Co. of Hartford, Ct.
in this Ov	Hartford, Ct. have inspected the components described wher's Report during the period $\frac{5-10-94}{10}$ to $\frac{5-10-97}{10}$, and state that
	st of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Report in accordance with the requirements of the ASME Code, Section XI.
examinatio	ning this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the ons and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer able in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
	Va. 543 Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date	4-5 1995

Serial Number: 95-168 Docket Number: 50-281 Page 98 of 127

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

_	·				<u> </u>			
1.	Owner Virgin:	ia Electric a Name	ınd Power C	0	Date 3/20/95	<u> </u>		
	5000 Dominion	Blvd., Glen Allen	, Va. 23060		Sheet 1	of1_		
	_	Address						
2.	Plant Surry P	ower Station			Unit $\underline{ ext{Two}}$			
		Name						
	5570 Hog Islan	d Rd., Surry, Va.	23883		WO#00287792-01,			
		Address			Repair Orga	nization F	.O. No., Job No.,	etc.
3	Work Performed by	Virginia Power			Type Code Symbol	Stamp	AN	
٠.	**************************************		Name		Authorization No.	•		
	S	ame as above Address			Expiration Date		NA	
4.	Identification of Sys	stem <u>Reacto</u>	r_Coolant				<u></u>	_
	(b) Applicable Edit	struction Code <u>B31</u> ion of Section XI Uti mponents Repaired o	lized for Repairs	or Replacement	s 19 <u>89</u>	Addenda,_	N-1, N-7	_Code Case
					1	, <u> </u>	,	
	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)
	Studs	Mackson, Inc.	Ht.Code NAV Ht.#50035	NA	2-RC-160	NA	Replacement	No
	Nuts	Mackson, Inc.	Ht.#8865334	'NA	2-RC-160	NA	Replacement	No
7.	Description of Work	Install new fla	nge fasteners :	in new valve.				
8.		·	eumatic Nor	minal Operating Test Temp	_			
	NOTE: Supplement tion in items 1 thro recorded at the top	tal sheets in form of ough 6 on this report of this form.	lists, sketches, or is included on ea	r drawings may lach sheet, and l	be used, provided (1) (3) each sheet is nun	size is 8½ nbered an	in. x 11 in., (2) i d the number of s	nforma- sheets is

(12/82)

9.	Remarks PO# BNT 467650 (studs and nuts)
	Applicable Manufacturer's Data Reports to be attached
_	
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the
	ASME Code, Section XI. repair or replacement
	Type Code Symbol Stamp
	77
	Certificate of Authorization No. NA Expiration Date NA
	Signed J. R. Legen IST Engueel Date March 20, 19 95
	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	or Province of Uncertaint and employed by HSBI and I Co. of
	have inspected the components described
	in this Owner's Report during the period $5-10-94$ to $5-10-97$, and state that
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
	shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
	inspection.
	Inspector's Signature National Board, State, Province, and Endorsements
	Date3-1

Serial Number: 95-168 Docket Number: 50-281 Page 99 of 127

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

_	Virgin	ia Electric	and Power C	0.	4/4/95 Date			
1.	Owner	Name			Date			
	5000 Dominion	Blvd., Glen Alle	n, Va. 23060		1 Sheet	of1		
	Surry I	Address Power Station	1		Two			
2.	Plant	Name	<u> </u>					
	5570 Hog Isla	nd Rd., Surry, Va	. 23883		WO#00293322-01,	RR#95-0	33	
	<u> </u>	Address	-		Repair Orga	nization F	.O. No., Job No.,	etc.
3.	Work Performed by	Virginia Powe	Nome		Type Code Symbol	277	N	A
	Name				Authorization No.		N7	
		Same as above Address			Expiration Date		NA	
4.	Identification of Sy	stemRecir	culation Spray					
	(b) Applicable Edit	struction Code ^{B3} ion of Section XI Ut imponents Repaired o	ilized for Repairs o	r Replacement		.ddenda,_	N-1, N-7	_Code Cas
_		 	 	÷.,		-		
	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)
	Studs	NA	NA	NA	2-RS-11	NA	Replaced	No
	Nuts	NA	NA	NA	2-RS-11	NA	Replaced	No
	Studs	Mackson, Inc.	Ht.#50035 Ht. Code NAV	NA	2-RS-11	NA	Replacement	No
	Nuts	Mackson, Inc.	Ht.#8865334	NA	2-RS-11	NA	Replacement	No
7.	Description of Work	Replace cover	bolting					
8.	Tests Conducted:	Hydrostatic Pr Other Pressure	neumatic Non psi	ninal Operating Test Temp.				
	NOTE: Supplemention in items 1 throrecorded at the top	ough 6 on this repor	f lists, sketches, or t is included on ea	drawings may ach sheet, and	be used, provided (1) (3) each sheet is nun	size is 8½ nbered an	in. x 11 in., (2) i d the number of s	nforma- sheets is

(12/82)

9.	PO# BNT-467650 (studs and nuts)
٠.	Applicable Manufacturer's Data Reports to be attached
	,
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol StampNA
	Certificate of Authorization No. NA Expiration Date NA
	Signed W-h- Regent IST Enterviell Date April 4 , 1995 Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I CO of
	Hartford, Cthave inspected the components described
l	In this Owner's Report during the period
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
	shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
	inspection.
•	Commissions Va. 543 Inspector's Signature National Board, State, Province, and Endorsements
	Date

Serial Number: 95-168 Docket Number: 50-281 Page 100 of 127

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

=								
1.	Owner Virgin	ia Electric a	and Power (Co	Date 3/20/95	5		
•		Name	_	•				
	5000 Dominion	Blvd., Glen Aller	ı, Va. 23060		Sheet1	of 1		
		Address	·		Sileet	01		
_	- Surry F	ower Station			UnitTwo			
2.	Plant Bully 1	Name			Unit			
					_			
	5570 Hog Islan	Address	23883		WO#00294830-01,			
					Repair Orga	anization P	.O. No., Job No.,	etc.
3.	Work Performed by	Virginia Power			Type Code Symbol	Stamp	NA	
			Name		Authorization No.	NA		
	,	lame as above			Expiration Date		NA	
		Address					1111	
1	Identification of Sv	stem Residu	al Heat Demorr	.1				
₩.	identification of Sy	stemReside	ar near Remova	· · · · · · · · · · · · · · · · · · ·				
_			1 40	FF . F				
5.		struction CodeB31				\ddenda,	N-1, N-7	_Code Case
	(b) Applicable Edit	ion of Section XI Uti	lized for Repairs	or Replacements	i 19 <u>89</u>			
6.	Identification of Co	mponents Repaired o	r Replaced and F	Replacement Con	nponents			
			•		1			
								ASME
]			Code
				National	1	1	Repaired,	Stamped
	Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
	•			"			1	
							}	
	•				1			
	Studs	NA NA	NA.	NA NA	2-RH-YS-1	NA	Replaced	No
		* 1				1		
	Nuts	NA	NA	NA	2-RH-YS-1	NA.	Replaced	No
	a	Cardinal	*** "				l	
	Studs	Ind. Products, Inc	. Ht.#8098719	NA	2-RH-YS-1	NA_	Replacement	_No
	•	A & G Engin.					_	
	Nuts	II, Inc	Ht.#C6X267	NA	2-RH-YS-1	NA NA	Replacement	No -
						<u> </u>	ļ <u>.</u>	
							•	
7.	Description of Work	Replace fastene	rs.					
••								
	Tosta Conductoda	Hudrostotia Po	numatia 🗀 Na	minal Operating	Program			
5.				minal Operating				
		Other Pressure_	psi	iest Temp	°F			
	NOTE: Supplement	tal sheets in form of	lists, sketches, o	r drawings may b	e used, provided (1)	size is 8½	in. x 11 in., (2) i	nforma-
		ough 6 on this report	is included on e	ach sheet, and (each sheet is nur	nbered and	the number of	sheets is
	recorded at the top	of this form,						

(12/82)

Remarks PO# CSY	231327 (nuts), CS	<u>Y 206074 (studs)</u>
	Applicable Man	nufacturer's Data Reports to be attached
	· · · · · ·	-
		
		
	:	TE OF COMPLIANCE
We certify that th	e statements made in the repor	t are correct and this replacement conforms to the rules of th
ASME Code, Section XI.		repair or replacement
•	NA	
Type Code Symbol Stamp_		
	NA	NA
Certificate of Authorization	No,	Expiration Date
a. (1) J.	TST E	Will - Minus
Signed When or Owner's	Designee, Title	Date
		
	CERTIFICATE	OF INSERVICE INSPECTION
the undersigned holding	unlid commission issued by the	
or Province of Wirgini	and employed by	e National Board of Boiler and Pressure Vessel Inspectors and the St HSBI and I Co.
Hartfor	d, Ct.	have inspected the components describ
n this Owner's Report due	ing the period	5-10-94 to 5-10-97 , and state ti
		performed examinations and taken corrective measures described in t
	ce with the requirements of the	
		s employer makes any warranty, expressed or implied, concerning
	•	Owner's Report. Furthermore, neither the Inspector nor his emplo
		operty damage or a loss of any kind arising from or connected with t
nspection.	i for any personal injury of pre	specify defined of a loss of any kind ansing from of connected with t
	1 0 1	
Wobert a	l'orde (CommissionsVa. 543
Inspector	's Signature	National Board, State, Province, and Endorsements
Date. 3	-11 19 95	

Serial Number: 95-168 Docket Number: 50-281 Page 101 of 127

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

=								· · · · · · · · · · · · · · · · · · ·
1.	Owner Virgin	ia Electric a		0	Date _ 3/20/95	5		
	5000 Dominion	Blvd., Glen Allen	n, Va. 23060		Sheet 1	of 1		
		Address			511661	01		
2.	Plant Surry I	Power Station		<u>-</u>	Unit_Two			
		Name						
	5570 Hog Isla	nd Rd., Surry, Va	. 23883		WO#00293330-01,			
		Address			Repair Org	enization F	.O. No., Job No.,	
3.	Work Performed by	/Virginia Powe:	Name		Type Code Symbo	•		
			1401110		Authorization No.			
		Same as above			Expiration Date		NA	
4.	Identification of Sy	/stemSafety	Z Injection					
_	(a) Applicable Con	struction CodeB31	1.1 10	55 Edition	NA I	Addenda	N-1. N-7	Code Cere
Э,		tion of Section XI Ut				-adenda,_	-N A1 N 1	_COUG Case
	(D) Applicable Lui	tion or section XI of	meco for ricpans (or replacement				
_			D!dd D					
6.	Identification of Co	omponents Repaired	or Replaced and R	epiacement Co	mponents			
_			1 11 11 11		<u> </u>	1		[
								ASME
							1	Code
		l		National		l	Repaired,	Stamped
	Name of	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
	Component	Wallulactule!	Serial No.	140.	Identification	Built		
						<u> </u>	<u> </u>	
	a		j	>7 >	0 07 56		D11	
	Studs ———————	NA	NA	NA	2-SI-56	NA	Replaced	No
	Nuts	NA	NA .	. NA	2-SI-56	NA.	Replaced	No l
		 	 			 	 	
		Allied Nut						
	Studs	& Bolt Co.	Ht.#K1159	NA	2-SI-56	NA	Replacement	No
	Nuts	Allied Nut & Bolt Co.	Ht.#805094	NA	2-SI-56	NA.	Replacement	No
		2 2020 00.	131,100303.		1 22 30		TOP LOCAL COMMONS	
						}		
		<u>. </u>				1		L
_	D- 1-41 414- 1	, Replace fastene	ers.		· ·	•	÷	
/ .	Description of Work	(
	Tests Conducted:	Hydrostatic Pr	neumatic Nor	minal Operating	Praceura [
٥.	ests conducted.	·	_	Test Temp.				
			Pai		 -			
	NOTE: Supplemen	ntal sheets in form of	flists, sketches, or	drawings may	be used, provided (1) size is 8½	in. x 11 in., (2) i	nforma-
	tion in items 1 thr	ough 6 on this repor	t is included on ea	sch sheet, and	(3) each sheet is nur	nbered an	d the number of	sheets is
	recorded at the top							

(12/82)

9.	Remarks PO#_SSY_384168
	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the
	ASME Code, Section XI.
ſ	
	T. O. L.O. L.O. NA
	Type Code Symbol Stamp
	Certificate of Authorization No. NA Expiration Date NA
	Signed W. A. Secur IST ENGINEEL Date MARCH 20 , 19 55
	Signed 4) & Societ ISI ENGINEER Date MARCH 20, 19 95
	Owner or Owner's Designee, Title
_	
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Hartford, Ct. and employed by of Hartford, Ct.
	Hartford, Cthave inspected the components described
	in this Owner's Report during the period 5-10-97, and state that
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
	shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	\wedge \wedge \wedge \wedge \wedge \wedge \wedge \wedge \wedge \wedge
	Inspector's Signature National Board, State, Province, and Endorsements
	3-11 95
	Date19/
_	

Serial Number: 95-168 Docket Number: 50-281 Page 102 of 127

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

_								
1.	Owner	ia Electric a	and Power	Co	Date4/19/5			
	5000 Dominion	Blvd., Glen Alle	n, Va. 23060		Sheet1	_ 1		
		Address			Sneet	. 01		
	Surry 1	Power Station	1		Two			
2.	Plant	Name			Unit			
					"			
	5570 Hog Isla	nd Rd., Surry, Va	. 23883		WO#00291877-01	L, RR#95-0)39 	
	'	Address			Repair Org	janization P	.O. No., Job No.,	etc.
3	Work Performed by	Virginia_Powe	~		Type Code Symbo	ol Stamp	NΔ	
	,		Name		Authorization No	NT2		
		Same as above			Expiration Date_	-		
		Address			Expiration Date_			
		n		1				
4.	Identification of Sy	stemResid	ual heat Remov	'aı				
5.	(a) Applicable Cons	struction CodeB3	^{1.1} 19	⁵⁵ _Edition,.	NA	Addenda,_	N-1, N-7	_Code Case
		ion of Section XI Uti						
	(-, · 4-p		•	•				
6.	Identification of Co	mponents Repaired o	or Replaced and F	Replacement Cor	nponents			
	Name of Component	Name of Manufacturer	Manufacturer Serial No,	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	Plug	Copes-Vulcan	Part# 131448	AN	2-RH-HCV-2142	NA	Replaced	No
	Plug	Copes-Vulcan	Part# 131448	NA	2-RH-HCV-2142	NA	Replacement	No
				·	·			
7.	Description of Work	Replace trim a	ssembly.	-				
8.	Tests Conducted:			ominal Operating Test Temp				
	NOTE: Supplemention in items 1 throrecorded at the top	tal sheets in form of ough 6 on this report of this form.	lists, sketches, o	or drawings may each sheet, and	be used, provided ((3) each sheet is nu	1) size is 8½ ımbered an	in. x 11 in., (2) id the number of	nforma- sheets is

(12/82)

PO# SSY-263936

Remarks
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol StampNA
Certificate of Authorization No. NA Expiration Date NA Signed Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Hartford, Ct. and employed by have inspected the components described.
have inspected the components describe in this Owner's Report during the period $\frac{5-10-94}{to}$ to $\frac{5-10-97}{to}$, and state the
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the
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 t examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the
Commissions Va. 543
Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date

Serial Number: 95-168 Docket Number: 50-281 Page 103 of 127

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

=		· · · · · · · · · · · · · · · · · · ·						
1. Owner Virgir	nia Electric	and Power (co	Date _ 3/20/95	5		_	
	Name	•						
5000 Dominion	n Blvd., Glen Alle	n, Va. 23060		Sheet 1	of1			
-	Address							
2. Plant <u>Surry</u>	Power Station			UnitTWO				
	Name							
5570 Hog Isla	and Rd., Surry, Va	. 23883		WO#00292623-01,				
	Address			Hepair Orga	anization F	.O. No., Job No.,		
Work Performed b	YVirginia Powe	Name		Type Code Symbol StampNA				
		Name		Authorization No.				
	Same as above Address		<u>-</u>	Expiration Date		NA		
÷								
Identification of S	ystem <u>Resid</u>	ual heat Remova	al					
				_				
	nstruction Code B3:				\ddenda,_	N-1, N-7	_Code Case	
(b) Applicable Ed	ition of Section XI Ut	ilized for Repairs	or Replacemen	ts 19 <u>89</u>				
6. Identification of C	Components Repaired	or Replaced and F	Replacement Co	mponents				
		11 10 10 10	T		1		7	
						1	ASME	
		100	ļ				Code	
	'	,	National			Repaired,	Stamped	
Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes	
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)	
		 		 	 	 		
Studs	NA	NA.	AN	2-RH-11	NA.	Replaced	No	
	 			·	+		-	
Nuts	NA.	NA.	AN '	2-RH-11	NA.	Replaced	No	
					 	 		
- I				0.577.44		_ , .		
Studs_	Mackson, Inc.	Ht.#A9183H	. NA	2-RH-11	NA.	Replacement	No	
Nuts	Mackson, Inc.	Tr.#SF65 Ht.#8896151	NA.	2-RH-11	NA	Replacement	No	
NUCB	Mackboll, Inc.	110.#8890131	NA.	2 11	NA.	Replacement	NO	
					1 .			
	<u> </u>	.			<u></u>		L	
	. Replace fastene	erg.		•	•			
. Description of Wor	K							
	I londonada - De			a Banasura ' 🗀				
3. Tests Conducted:	•		minal Operatin					
	Other Pressure_	psi	rest remp	F				
		t Itaan ole-t-t		the speed manufact (4)) sizo is 014	lin w 11 in 101 i	nforms :	
NOTE: Suppleme	ntal sheets in form of rough 6 on this repor	r Hists, sketches, C	r drawings may	(3) each sheet is not	, size is 8% nbered en	d the number of	morma- sheets is	
recorded at the to	•	. IJ IIIGIAGG OII (,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	411			

9. Remarks PO# CNT 461235 (nuts), CNT 476578 (studs)
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the
ASME Code, Section XI. repair or replacement
NA NA
Type Code Symbol Stamp
Certificate of Authorization No, NA Expiration Date
Signed A. L. Lorent ISI ENGINEER Date Manch 20 , 19 95
Signed W. G. FORELL ISI ENGINEER Date MARCH 20 19 95
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of
Hartioro, ti
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
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection
(1921, 2 1 / O). Va. 543
Inspector's Signature Commissions National Board, State, Province, and Endorsements
inspector's Signature institute institute institute inspector solution in the institute inspector is signature.
2-21 95
Date19/

Serial Number: 95-168 Docket Number: 50-281 Page 104 of 127

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

_				_				
1	Owner Virgin	ia Electric a	and Power	Co.	Date4/18/95	5		
••	OWNER .	Name			Date	-		-
•	5000 Dominion	Blvd., Glen Aller	n, Va. 23060		Sheet	of1	•	
		Address		-			· · · · · · · · · · · · · · · · · · ·	
2.	PlantSurry F	Power Station			Unit			
		Name		<u></u>		-		
	5570 Hog Islan	nd Rd., Surry, Va.	. 23883		WO#00310786-01,			
		Address			Repair Orga	nization F	.O. No., Job No.,	etc.
3.	Work Performed by	Virginia Power	e		Type Code Symbol	Stamp	NA	
		-	Name		Authorization No.	. NA		
	8	Same as above			Expiration Date			
		Address						
4.	Identification of Sys	stem Main S	Steam					_
5.	(a) Applicable Cons	struction CodeB31	19	Edition,		ddenda,_	N-1, N-7	_Code Case
	(b) Applicable Edit	ion of Section XI Uti	lized for Repairs	or Replacement	s 19 <u>89</u>			
6.	Identification of Co	mponents Repaired o	r Replaced and F	Replacement Co	mponents			
_	 ;				· · · · · · · · · · · · · · · · · · ·			
								ASME
	,		. •	'				Code
	•			National			Repaired,	Stamped
	Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
	,							
├-								
	Valve	NA NA	NA.	NA	2-MS-120	NA	Replaced	No
					-	 	 	-
	Valve	Anchor/Darling	VGW-60A	NA	2-MS-120	NA	Replacement	Мо
			Ht.#N25841-					
	Pipe	Hub, Inc.	USS	NA	2-MS-120	NA.	Replacement	No
_					 			
	Sockolet	Hub, Inc.	Ht. Code 783KNB	NA.	2-MS-120	NA.	Replacement	No
_	500110110				, -		 	-
	Elbow	Ind. Distrib.	37523	NA	2-MS-120	NA	Replacement	No
	· ·		-			<u></u>		
7	Description of Work	Replace valve.	Code Case N41	6-1 applies.				
•	Dogoription of tront	REPIACE VALVE.		<u> </u>				
8.	Tests Conducted:	Hydrostatic Pne	eumatic No	ominal Operating	Pressure			
		Other Pressure_	NOP psi	ominal Operating Test Temp	NOT °F			
	NOTE: Supplemen	tal sheets in form of	lists, sketches. o	or drawings may	be used, provided (1)	size is 8½	in. x 11 in., (2) i	nforma-
		ough 6 on this report						
	recorded at the top							

(12/82)

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

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp NA
Type Code Symbol StampNA
Certificate of Authorization No. NA Expiration Date NA
Signed A. L. Locus IST ENGINEER Date April 18 , 19 55
- Children of Chil
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
or Province of Virginia and employed by HSBI and I Co.
Hartford, Ct.
in this Owner's Report during the period, and state the
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the
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 t
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the
inspection.
(20 + 2)(0)
Commissions Va. 543
Inspector's Signature National Board, State, Province, and Endorsements
Date19_75

Serial Number: 95-168 Docket Number: 50-281 Page 105 of 127

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

=								
1.	Owner _Virgin	ia Electric a Name		0	Date 3/27/95	5		
	5000 Dominion	Blvd., Glen Aller			Sheet1	of1		
2.	Plant Surry P	• • • • • • • • • • • • • • • • • • • •			Unit TWO			
	5570 Hog Islan	id Rd., Surry, Va.	. 23883		<u>WO#00287800-01,</u>	PP#95-04	14	
	3370 Hog IDIan	Address					.O. No., Job No.,	etc.
3.	Work Performed by	Virginia Power	Name	<u>-</u>	Type Code Symbol	Stamp	NA NA	
			Name		Authorization No.			
	s	dame an above Address	-		Expiration Date		NA	
4.	Identification of Sys	stem	ıal Heat Remova	1				
5.					NA P	\ddenda,_	N-1, N-7	_Code Case
	(b) Applicable Edit	ion of Section XI Ut	ilized for Repairs o	or Replacement	ts 1989			
6	Identification of Co	mponents Repaired o	or Replaced and R	eplacement Co	mponents			
_								, -
				National			Repaired.	ASME Code Stamped
	Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
	Studs	NA	NA	NA	2-RH-24	NA	Replaced	No
	Nuts	NA	NA	NA	2-RH-24	NA	Replaced	No
			Lot# A37					
	Studs	Mackson, Inc.	Ht.#M53417	NA	2-RH-24	NA.	Replacement	No
	Nuts	Mackson, Inc.	Ht.#15862JF	NA_	2-RH-24	NA	Replacement	No
					1	<u> </u>	ļ	
7.	Description of Work	Replace cover b	oolting.		· · · ·		·	
8.		Hydrostatic Pn	eumatic 🔃 Nor	minal Operating Test Temp	_			
		u	Pai	, oat 10111 p.	· · · · · · · · · · · · · · · · · · ·			
	NOTE: Supplement tion in items 1 thro recorded at the top	ough 6 on this report	lists, sketches, or t is included on ea	drawings may ach sheet, and	be used, provided (1) (3) each sheet is num	size is 8½ nbered an	in. x 11 in., (2) i d the number of:	nforma- sheets is

(12/82)

9. Remarks PO# BNT 467650 (studs and nuts)
Applicable Manufacturer's Data Reports to be attached
•
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the
ASME Code, Section XI.
, and the state of
Type Code Symbol StampNA
Type code Symbol Stamp
Certificate of Authorization No. NA Expiration Date NA
Certificate of Authorization No.
Signed W. G. Kreen ISI ENGINEEL Date Masen 27, 1995
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of
in this Owner's Report during the period. 5-10-94 to 5-10-97, and state that
· ·
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.
(1) (2) (3) (4) (4) (5) (4) (4) (5)
Commissions
Inspector's Signature National Board, State, Province, and Endorsements
11.2
Date

Serial Number: 95-168 Docket Number: 50-281 Page 106 of 127

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

_								
1.	OwnerVirgin	ia Electric	and Power	Co.	Date4/5/95			
•		Name						
	5000 Dominion	Blvd., Glen Alle	n, Va. 23060		Sheet1	of 1	•	
		Address						
2.	PlantSurry H	Power Station	1		UnitTWO			
-		Name						
	5570 Hog Islan	nd Rd., Surry, Va	. 23883		WO#00292987-04	RR#95-0	045	
		Address		•	Repair Orga	nization F	.O. No., Job No.,	etc.
3.	Work Performed by	Virginia Powe	r		Type Code Symbol	Stamp	NA	
			Name		Authorization No.	377		
		Same as above			Expiration Date	NA.		
		Address						
4.	Identification of Sys	stemReact	or Coolant					
5.	(a) Applicable Cons	truction Code B3	<u>1.1</u> 19	⁵⁵ _Edition,	A	ddenda,_	N-1, N-7	_Code Case
	(b) Applicable Editi	ion of Section XI Uti	lized for Repairs	or Replacement	s 19 <u>89</u>			
6.	Identification of Co	mponents Repaired o	or Replaced and F	Replacement Co	mponents			
_		 		 			,	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	#2 Bolts	Westinghouse	4936A23H11	NA	2-RC-P-1B	NA	Replaced	No
	#2 Bolts	Westinghouse	4936A23H11	NA	2-RC-P-1B	NA	Replacement	No
	#1 Bolts	Westinghouse	4934A79H16	NA	2-RC-P-1B	NA	Replaced	No
				,				
	#1 Bolts	Westinghouse	4934A79H16	NA .	2-RC-P-1B	NA	Replacement	No
					<u> </u>		<u> </u>	
7.	Description of Work	Replace #1 and	#2 seal house	bolts.				
8.		Hydrostatic Pn Other Pressure	_	ominal Operating 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)

Remarks _	PO# NS-163974 (#2 bolts), PO# SY-16838 (#1 bolts)
	Applicable Manufacturer's Data Reports to be attached
-	
	i
	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 repair or replacement.
Type Code	Symbol StampNA
Certificate Signed	of Authorization No. NA Expiration Date NA David Local TST Expiration Date April 5 , 19 95
	CERTIFICATE OF INSERVICE INSPECTION
	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Virginia and employed by HSBI and I Co. of
	Hartford, Ct. have inspected the components described for S-10-97 to 5-10-97, and state that
	of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Re	port in accordance with the requirements of the ASME Code, Section XI.
examinationshall be lia	ing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the ns and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe ble in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.	Robert J. Coder Commissions Va. 543
Date	Inspector's Signature National Board, State, Province, and Endorsements U-5 19 95

Serial Number: 95-168 Docket Number: 50-281 Page 107 of 127

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

_							 	
1	Owner Virgin:	ia Electric a	and Power (Co.	Date3/31/95	;		
١.	Owner	Name			Date 0/01/20			
	5000 Dominion	Blvd., Glen Aller	n, Va. 23060		Sheet 1	of1_		-
_	Plant Surry P	lower Station			Tr.ro			
2.	Plant Bully P	Name			Unit Two			
	5550 W T-1	1.51						
	5570 Hog Islan	nd Rd., Surry, Va.		WO#00310619-01,		16 2.O. No., Job No.,	etc	
			_					
3.	Work Performed by	VIIGIIIIA ROWEI	Name	·	Type Code Symbol	•		·
	G	Same as above			Authorization No.		NA.	
		Address			Expiration Date		NA	
		Main	Steam					
4.	Identification of Sys	stem						
	(a) Applicable Cons (b) Applicable Edit	ion of Section XI Uti	lized for Repairs	or Replacement	s 19 <u>89</u>	.ddenda,_	N-1, N-7	Code Case
	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)
	disc	AN	NA	NA	2-MS-182	NA	Replaced	No
	Disc	Anchor/Darling	Part# C31207	NA.	2-MS-182	NA	Replacement	Мо
7.	Description of Work	Replace disc.		· · · · · · · · · · · · · · · · · · ·				
8.		•	eumatic No	minal Operating Test Temp.	_			
	NOTE: Supplement tion in items 1 thro recorded at the top	tal sheets in form of ough 6 on this report of this form.	lists, sketches, o	or drawings may each sheet, and	be used, provided (1) (3) each sheet is nun	size is 8½ nbered an	in. x 11 in., (2) i d the number of s	nforma- sheets is

PO;	# NT 462702			
	A	pplicable Manufacturer	's Data Reports	s to be attached
	<u>.</u>			
				
		CERTIFICATE OF CO	OMPLIANCE	
		le in the report are corre	ect and this	replacement conforms to the rules of the
ASME Code, Sec	tion XI.		Тере	
	•			·
Type Code Symb	ol StampNA			
				277
Certificate of Aut	thorization No. NA		Expiration	DateNA
Signed wher	or Owner's Designee, Title	Lugineer	Date	Marcy 31 , 1985
	CI	ERTIFICATE OF INSE	RVICE INSPE	CTION
or Province of	Virginia and	n issued by the National	l Board of Boil HSB	er and Pressure Vessel Inspectors and the State I and I Coo
	Hartiora, Ct.		_	have inspected the components described
	Report during the period		0-94_to_	5-10-97 , and state that
	- ,	· ·		and taken corrective measures described in this
•	n accordance with the requir		•	.i. varranty, expressed or implied, concerning the
	· ·	•	•	rmore, neither the Inspector nor his employe
				of any kind arising from or connected with this
inspection.	0.0			
(PA	hent I Word			Va. 543
	Inspector's Signature	Commission Commission	ons Nationa	Board, State, Province, and Endorsements
		_		
Date	<u>4-3</u> 1999	<u>5</u>		
Date	<u></u>	2		

Serial Number: 95-168 Docket Number: 50-281 Page 108 of 127

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

							<u></u>
					•		· <u> </u>
1. Owner Virgin:	ia Electric a Name		Co	Date 3/20/95	<u> </u>		
5000 Dominion	Blvd., Glen Aller	n, Va. 23060		Sheet 1	of 1		
<u></u>	Address						
2. Plant Surry P		·		UnitTWO			
	Name		•				
5570 Hog Islan	d Rd., Surry, Va	23883		WO#00293035-01,			
	Address			Repair Orga	nization P	.O. No., Job No.,	etc.
3. Work Performed by	Work Performed by Virginia Power Name				Stamp	NA	<u> </u>
		Name		Authorization No			
s	ame as above Address			Expiration Date		NA	
4. Identification of Sys	stemReact.c	or Coolant					
(b) Applicable Editi	mponents Repaired o						r
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)
Secondary Manway bolts	NANA	NA	NA	2-RC-B-1C	NA	Replaced	No
Secondary Manway bolts	Westinghouse	RM27413U	. NA	2-RC-E-1C	NA	Replacement	No
7. Description of Work	Replace seconda	ry manway fast	eners.				
	Hydrostatic Pn Other Pressure_		minal Operating Test Temp		•	. '	
NOTE: Supplement tion in items 1 thro recorded at the top	ugh 6 on this report	lists, sketches, o	r drawings may ach sheet, and	be used, provided (1) (3) each sheet is num	size is 8½ nbered and	in. x 11 in., (2) id d the number of s	nforma- sheets is

Remarks	PO# SNT 278990
	Applicable Manufacturer's Data Reports to be attached
	
	CERTIFICATE OF COMPLIANCE
	ertify that the statements made in the report are correct and this replacement conforms to the rules of the
ASME Code, Se	ction XI.
	NA NA
Type Code Symi	bol Stamp
	· MA
Certificate of AL	uthorization No. NA Expiration Date NA
6/1	Rosen ISI ENGWEER Date MARCH 20 , 19 95
Signed Owner	r or Owner's Designee. Title
-	
	CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned	ed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Virginia HSBI and I Co. of
or Province of	
	Report during the period 5-10-94 to 5-10-97, and state that
	ny 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 th	his certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	nd corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
	n any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.	\
(12	Va. 543
	Inspector's Signature Commissions National Board, State, Province, and Endorsements
	Trusterial boardy entropy and billionis
_	2.11 95
Date	<u> </u>

Serial Number: 95-168 Docket Number: 50-281 Page 109 of 127

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

1. Owner Virgin			o	Date 3/20/95	;				
	Name					-			
5000 Dominion	Blvd., Glen Aller	1, Va. 23060		Sheet1	of1				
G									
2. Plant Surry I	Power Station Name			UnitTwo					
						_			
5570 Hog Islan	nd Rd., Surry, Va.	. 23883		WO#00288621-01,		· · · · · · · · · · · · · · · · · · ·			
		_		Mepali Orga	inzation r				
3. Work Performed by	/	Name	-	Type Code Symbol	Stamp	NA	<u> </u>		
		1101110					Repaired, Replacement No Replacement No Replacement No		
 _	Same as above Address	·····		Expiration Date		NA AN			
	Address			•					
Identification of Sy	/stem Main S	team		 					
	tion of Section XI Ut	ilized for Repairs o	or Replacement	ts 1989	radenda,_				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	1	Code Stamped (Yes		
· · · · · · · · · · · · · · · · · · ·						ļ			
Orifice plate	NA NA	NA NA	NA	2-MS-FE-200	NA	Replaced	No		
Orifice plate	Energy & Process Corp.	Ht.#2B067	NA.	2-MS-FE-200	NA	Replacement	No		
Studs	Mackson, Inc.	Ht.#1-4055IV	NA	2-MS-FE-200	NA	Replacement	No		
Nuts	Mackson, Inc.	Ht.#8865388	NA	2-MS-FE-200	NA_	Replacement	No		
. Description of Work	Replace orifice	plate and fast	eners.		,				
3. Tests Conducted:	Hydrostatic Pn Other Pressure		ninal Operating Test Temp						
	ough 6 on this report								

(12/82)

9. Remarks
Applicable Manufacturer's Data Reports to be attached
\cdot
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the
ASME Code, Section XI.
Adrile dode, decidin At.
Tuna Cada Symbol Stama NA
Type Code Symbol StampNA
NA NA
Certificate of Authorization No. NA Expiration Date NA
Signed W- L. dozen ISI ENGINER Date MARCH 21, 19 95
Signed W - 7 - 05 - 05 - 05 - 05 - 05 - 05 - 05
State of the Grant
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Virginia and employed by HSBI and I Co. of
Hartford, Cthave inspected the components described
in this Owner's Report during the period 5-10-94 to 5-10-97, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.
nispection,
Robert P. Order Commission Va. 543
Va. 543 Inspector's Signature Commissions National Board, State, Province, and Endorsements
Commissions
Commissions

Serial Number: 95-168 Docket Number: 50-281 Page 110 of 127

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

=										
1.	OwnerVirgini	a Electric and Po			Date 4/3/95					
	 ·	- Name	8							
	5000 Dominion	Blvd., Glen Alle	n, Va. 23060		Sheet1	_{vf} 1	•			
		Address			U11001	/· <u></u>				
_	Diane Surry P	ower Station			UnitTwo					
۷.	PlantSurry P	Name	-		Onit					
	5570 Hog Isla	5570 Hog Island Rd., Surry, Va. 23883				2, RR#95	-064			
		Address				<u> </u>	.O. No., Job No.,	etc.		
3.	Work Performed b	Y <u>Virginia Pow</u> e	Name		Type Code Symbol StampNA					
			1441110		Authorization No.					
		Same as above Address			Expiration Date	nteNA				
4.	Identification of S	ystem <u>Instr</u>	ument Air							
5.	(a) Applicable Cor	nstruction CodeB3	<u>1.1 </u>	55 Edition	, NA A	ddenda,_	N-1, N-7	_Code Cas		
	(b) Applicable Edi	ition of Section XI U	tilized for Repairs	or Replacemen	ts 19					
6	Identification of C	omponents Repaired	or Replaced and R	eplacement Co	mponents					
٠.				-,	····•					
Г										
								ASME		
								Code		
				National			Repaired,	Stamped		
l	Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes		
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)		
					Jef119/95	1				
┞	Valve	NA NA	NA	NA	2-1A-867 4	NA.	Replaced	.No_		
	Valve	Powell	Fig. 158B	NA	2-IA-864	<u>N</u> A	Replacement	No_		
i			SU-92-00055					Ì		
	Pipe	NA	Rev. 0	NA	2-1A-864	NA NA	Replacement	NO		
		John H.		-						
	Adaptor	Frischkorn ,Jr.	194955	NA	2-1A-864	NA	Replacement	NO		
_							-			
	Coupling	NA	SCOM-029.A04	NA	2-1A-864	NA	Replacement	NO		
					+					
		•	1			L	<u> </u>	<u> </u>		
		Pontoco emubbo	n nin 1/2 16		•					
7.	Description of Wor	k Reptace shall	- Pin VALVE.							
		0.A12 93 -X	/		_		,			
8.	Tests Conducted:	Hydrostatic P	r pin VALVE.	minal Operatin	g Pressure					
		Other Pressure	42_ psi	Test Temp	AMBIEUT F					
										
	NOTE: Suppleme	ntal sheets in form of	of lists, sketches. of	r drawings may	be used, provided (1)	size is 8½	in. x 11 in., (2) i	nforma-		
					(3) each sheet is nur					

(12/82)

recorded at the top of this form.

D. Remarks PO# CNT-443156, CSY-167592, CNT-467614, CNT-493613
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code, Section XI.
Type Code Symbol StampNA
Certificate of Authorization No. NA Expiration Date NA
Signed L. J. J. J. J. J. J. S. J. J. J. J. J. J. J. J. J. J. J. J. J.
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford: Ct.
in this Owner's Report during the period 5-/0-94 to 5-/0-9, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection Value of Color Commissions Va. 543
Inspector's Signature National Board, State, Province, and Endorsements
Date19_95

Serial Number: 95-168 Docket Number: 50-281 Page 111 of 127

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

_								
1.	Owner Virgin	ia Electric		Co.	Date 4/26/9	5		
	EDDO Dominion				1	. 2		
	5000 DOMINION	Blvd., Glen Alle	ii, va. 23060		Sheet1	of		
	Carrorer		_		TT. TO			
2.	Plant_Surry	Power Station	1		UnitTwo			
		Name						
	5570 Hog Isla	WO#00313102-01,	RR#95-0	066 				
	Address				Repair Orga	nization P	.O. No., Job No.,	etc.
3.	Name				Type Code Symbol	Stamp	NA	
					Authorization No.	NA		
		Same as above			Expiration Date	NA		
	Address						-	
4.	Identification of Sv	stemChemi	cal and Volume	Control				
	(a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Identification of Components Repaired or Replaced and Replacement Components							
_		 			.	т	····	
-	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	1/2" Nut	NA	NA .	NA	H-001	NA	Replaced	No
	Threaded Rod	NA	NA	NA	H-001	NA	Replaced	No
	Weldless Eye Nut	NA	NA	NA	H-001	NÅ	Replaced	No
	1/2" Nut	Mackson, Inc.	Ht.# 8875536	NA.	H-001	NA	Replacement	No.
	Threaded Rod	Mackson, Inc.	Ht.# 520924 Ht. Code JZN	NA	H-001	NA	Replacement	No
	Description of Work	Repair compone Hydrostatic Pr	_	awing # 11548	_			
	NOTE: Supplemen	Other Pressure_ Ital sheets in form of ough 6 on this repor	psi f lists, sketches, o	Test Temp r drawings may	F be used, provided (1			

(12/82)

9	None.
	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol StampNA
	Certificate of Authorization No. NA Expiration Date NA Signed Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
	Inspection Va. 543 Commissions National Board, State, Province, and Endorsements
	Date. 5-3 1995

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 and Power Co.			4/26/95 Date				
	FOOO Dominion	2	2					
	5000 Dominion Blvd., Glen Allen, Va. 23060				Sheet			
	Curry I	Address Power Station			Two			
2.	Plant		·					
	Name 5570 Hog Island Rd., Surry, Va. 23883				W0#00010100 00	, pp#or o		
	5570 Hog Islan		. 23883		WO#00313102-03	·		
		Address			Repair Or	ganization P	.O. No., Job No.,	etc.
3.	Work Performed by	Virginia Power	r		Type Code Symbo	ol Stamp	NA	
	•	-	Name		Authorization No	NA		
	ł	Same as above			Expiration Date_	NA		
		Address						
4.	Identification of Sys	stemChemic	cal and Volume	Control	·			
5.	(a) Applicable Cons	struction CodeB31	^{1.1} 19	⁵⁵ _ Edition,	NA	Addenda	N-1, N-7	_Code Case
		ion of Section XI Util						•
	(-, · (-)			•				
6.	Identification of Co	mponents Repaired o	r Replaced and F	Replacement Cor	nponents		•	
!	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)
	Weldless Bye Nut	Grinnell Corp.	ŅA	. NA	н-001	NA	Replacement	No
	NOTE: Supplemen	Hydrostatic Pno	eumatic No	ominal Operating Test Temp or drawings may	Pressure° F			

(12/82)

PO# BNT-467650, CNT-470626 9. Remarks Applicable Manufacturer's Data Reports to be attached **CERTIFICATE OF COMPLIANCE** We certify that the statements made in the report are correct and this replacement _conforms to the rules of the repair or replacement ASME Code, Section XI. Type Code Symbol Stamp Certificate of Authorization No _Expiration Date **CERTIFICATE OF INSERVICE INSPECTION** I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and I Co. or Province of. and employed by_ Hartford, have inspected the components described <u>5-10-97</u> 5-10-94 in this Owner's Report during the periodto the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this Va. 543 National Board, State, Province, and Endorsements

Serial Number: 95-168 Docket Number: 50-281 Page 113 of 127

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

_								
1	Owner Virginia	a Electric and Po	wer Co.		Date			
٠.	Owner	Date						
	5000 Dominion	Blvd., Glen Alle	n, Va. 23060		Sheet	of	· <u></u>	
					Tue			
2.	Plant Surry Po	ower Station			UnitTwo			
		Name			Un#0020774/ 04	22405	0.75	
	5570 Hog Islan	nd Rd., Surry, Va	. 23883		WO#00293314-01			
		Address			Repair Orga	nization P	.O. No., Job No.,	etc.
3.	Work Performed by	Type Code Symbol	Stamp	NA				
		Authorization No	NA.					
		Same as above			Expiration Date		NA	
		Address						
4.	Identification of Sy	ystemReact	or Coolant					
5.	(a) Applicable Cor	nstruction Code B3	<u>1.1</u>	Edition,	A	ddenda,_	N-1, N-7	_Code Case
		tion of Section XI U						
	(-, · , -, -, -, -, -, -, -, -, -, -, -, -, -		• • • •	•	37			
6.	Identification of Co	omponents Repaired	or Replaced and F	Replacement Co	mponents			
1				i	,		•	ASME
					Ì			Code
				National			Repaired,	Stamped
1	Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
1					0 70 01 05544		Bandasad	
\vdash	Studs	NA	NA	NA	2-RC-SV-2551A_	NA	Replaced	No
			l	***	2 pg 64 35544	N.A	Baml acod	l No
\vdash	<u>Nuts</u>	NA	NA	NA NA	2-RC-SV-2551A	NA NA	Replaced	No
İ					2 00 04 25544	NA.	Benl seement	l No
_	Studs	Mackson, Inc.	NA	NA NA	2-RC-SV-2551A	NA	Replacement	No
					2 20 04 25544		Deni seement	No
\vdash	Nuts	Mackson, inc.	NA	NA NA	2-RC-SV-2551A	NA NA	Replacement	NO
ĺ								[[
L				<u> </u>				
							·	
		_					_	_
7.	Description of Wor	Replace fasten k	ers.					
•								
8	Tests Conducted:	Hydrostatic P	neumatic No	ominal Operating	n Pressure			
٥.	rests conducted.	Other Pressure		Test Temp				
		Other ressure.	μει	iest remp.	·			
	NOTE C		المحالم معالك		housed presided (4)	almo ta Otr	/ im v. 44 != /0\ !	ntorma
					be used, provided (1) (3) each sheet is num			
	recorded at the top		i is miciaded on t	sacii silect, allu	(o) each allest is little	inelen all	d the number of	
	. Joon dod de eno top							

(12/82)

. Remarks P0# BNT 467650 (studs and nuts)
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code, Section XI.
Type Code Symbol StampNA
Certificate of Authorization No. NA Expiration Date NA
Signed J. J. Joseph IST Engineer Date Appli 3 , 19 25
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of
in this Owner's Report during the period 5-10-94 to 5-10-97 , and state that
in this Owner's Report during the period 5-70-74 to 5-70-74, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
Robert J. Color Commissions Va. 543
Inspector's Signature National Board, State, Province, and Endorsements
Date

Serial Number: 95-168 Docket Number: 50-281 Page 114 of 127

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

=								
	- Vinginio	Electric and Po	ion Co		Date 4/3/95			
1.	Owner virginia	Name			Date			
		•						
	5000 Dominion	Blvd., Glen Aller Address	n, Va. 23060		Sheet 1	of1		
2.	Plant Surry Po	wer Station			Unit_ Two			
		Name	1		J.II.			
	5570 Hog Islan	d Rd., Surry, Va.	23883		WO#00293315-0	1. RR#95	-076	
	3310 1109 101011				2.O. No., Job No.,	etc		
		Address					•	
3.	Work Performed by	/ 	·		Type Code Symbol	Stamp_	NA	<u></u>
			Name		Authorization No.	- 114		·
		ame as above			Expiration Date		NA	
	,-	Address						
4	Identification of Sv	/stemReacto	or Cool ant					
٠.	, , , , , , , , , , , , , , , , , , , ,	NEGOT.	J. GOOTGITE					
			1.1	55 e	NA .		N-1 N-7	
5.					NA A	Addenda,_	-	_Code Case
	(b) Applicable Edit	tion of Section XI Ut	tilized for Repairs	or Replacement	ts 19 _{—89} ——			
				•	•			
6	Identification of Co	omponents Repaired	or Replaced and F	Replacement Co	mponents			
٠.					pononto		•	
						 	1	
ļ		j					,	ASME
ĺ		, ,			•	. 5		Code
				Nedienel			Repaired,	Stamped
Ϊ.		N	Bannet to	National	045	V	Replaced,	(Yes
	Name of	Name of	Manufacturer Serial No.	Board	Other	Year	or Replacement	
	Component	Manufacturer	Serial No.	No.	Identification	Built	Of Tropiacomonic	0. 110,
ľ	an all		1		2 DO OV 2554D		Domloood .	No
├─	Studs	NA	NA	NA NA	2-RC-SV-2551B	NA_	Replaced	No
							1	
	Nuts	NA '	NA	NA NA	2-RC-SV-2551B	NA.	Replaced	No
				ľ		1		<u> </u>
ŀ	Studs	Mackson, Inc.	NA.	NA NA	2-RC-SV-2551B	NA	Replacement	No
						1.		
	Nuts	Mackson, inc.	NA	NA NA	2-RC-SV-2551B	NA	Replacement	No
_		<u> </u>	 		 	 		
				,			1	
_		 .	ļ		<u> </u>	ļ		
						ļ		l ,
			•					
7	Description of Mark	Replace fastene	ers.					
٠.	Description of Mon	` <u> </u>			- v ,			
			. —					
8.	Tests Conducted:	Hydrostatic Pr		ominal Operating				
		Other Pressure_	psi	Test Temp	°F			
	NOTE: Supplemen	ntal sheets in form o	f lists, sketches, o	or drawings may	be used, provided (1	size is 8½	ś in. x 11 in (2) i	nforma-
					(3) each sheet is nur			
	recorded at the top			- ·				
							_	

	Applicable Manufacturer's Data Reports to be attached
	1
	CERTIFICATE OF COMPLIANCE
We ASME Code	certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of t Section XI.
Type Code S	/mbol StampNA
Certificate o	Authorization No. NA Expiration Date NA
Signed Ov	ner or Owner's Designee, Title Lugnilia Date Apair 3 , 19 55
	CERTIFICATE OF INSERVICE INSPECTION
	gned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S
	f Virginia and employed by HSBI and I Co.
in this Own	r's Report during the period 5-10-94 to 5-10-97, and state
	f my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
	ort in accordance with the requirements of the ASME Code, Section XI.
By signin	this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning
xamination	and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his empl
shall be liabl	e in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
inspection.	
(12)	Va. 543
4 50	Inspector's Signature Commissions National Board, State, Province, and Endorsement

Serial Number: 95-168 Docket Number: 50-281 Page 115 of 127

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 and Po	ver Co.		Date4/3/95			
٠.		Name)					
	5000 Dominion	Blvd., Glen Aller	n, Va. 23060		Sheet1	<u>,</u> 1	٠	
		Address	<u> </u>		Sneet	. от		
_	Surry Po	wer Station			TWO			
2.	Plant	Name	· · · · · · · · · · · · · · · · · · ·		Unit			
	5570 Hog Islan	d Rd., Surry, Va.			WO#00293316-0	01. RR#95-	-077	
		Address					O. No., Job No.,	oto.
		7441033					, ,	
3.	Work Performed by	Virginia Powe			Type Code Symbo	-	NA	<u> </u>
		Name						
	S	ame as above			Expiration Date_		NA	
		Address						
4.	Identification of Sy	stemReacto	or Coolant					
	(a) Applicable Con:			Edition,	NA	Addenda,_	N-1, N-7	_Code Case
	(b) Applicable Edit	ion of Section XI Ut	ilized for Repairs	or Replacement	s 1989			
6.	Identification of Co	mponents Repaired	or Replaced and F	Replacement Cor	mponents			
								ASME Code
		Ì		National			Repaired,	Stamped
	Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
	•	İ						
L	Studs	NA	NA	NA	2-RC-SV-2551C	NA	Replaced	No
							Ĭ	
	Nuts	NA.	NA ·	NA	2-RC-SV-2551C	NA	Replaced	No
	Studs	Mackson, Inc.	NA	NA	2-RC-SV-2551C	NA	Replacement	No
	Nuts	Mackson, inc.	NA	NA	2-RC-SV-2551C	NA	Replacement	No
L.				,				
L					<u> </u>			
7.	Description of Work	Replace fasten	ers.					
8.	Tests Conducted:	Hydrostatic Processure		ominal Operating Test Temp				
	NOTE: Supplemention in items 1 throrecorded at the top							

(12/82)

Remarks PO# BNT 467650 (studs and nuts)	
Applicable Manufacturer's Data Reports to be attached	
•	
	_
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of repair or replacement	the
ASME Code, Section XI.	-
Type Code Symbol StampNA	·
NA NA	
Certificate of Authorization No. NA Expiration DateNA	
Signed 4 le leveur ISI Engruell Date April 3 19 95	
Signed W. To Leave Date Title Date 1995	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the	
or Province of Virginia and employed by HSBI and I Co. Hartford, Ct. have inspected the components described by t	of
in this Owner's Report during the period 5-10-94 to 5-10-97, and state	
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described i	
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	g the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his emp	loyer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with	h this
inspection.	
Va. 543	
Inspector's Signature National Board, State, Province, and Endorsemen	its
Date19_93	

Serial Number: 95-168 Docket Number: 50-281 Page 116 of 127

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

. Owner <u>Virgi</u>	Owner Virginia Electric and Power Co. Name			Date 3/31/95				
5000 Dominion	n Blvd., Glen Alle	n, Va. 23060		Sheet 1 o	f <u> </u>			
	Address			_				
Plant Surry	Power Station		•	Unit $\underline{ ext{TWO}}$				
5570 Hog Isla	and Rd., Surry, Va	. 23883		WO#00313895-03,	RR#95-0'	78		
	Address	, 25 5 5 5		Repair Organ	nization P	O. No., Job No.,	etc.	
Work Performed b	Y Virginia Powe:		Type Code Symbol	Stamp	N.F	L		
	_		Authorization No	NA				
	Same as above			Expiration Date		NA		
Identification of S	Chemi	cal and Volume	Control			····		
(b) Applicable Ed	nstruction Code	ilized for Repairs	or Replacemen	ts 19 <u>89</u>				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe (Yes or No)	
Studs	NA	NA	NA	2-CH-MOV-2115B	NA	Replaced	No	
Nuts	NA	NA	NA	2-CH-MOV-2115B	NA	Replaced	No	
Studs	Mackson, Inc	.NA	NA NA	2-CH-MOV-2115B	NA	Replacement	No	
Nuts	Nova Machine Products Corp.	NA	NA	2-CH-MOV-2115B	NA	Replacement	No	
Description of Wor	k Replace fastene	ers.		·				
Tests Conducted:	Hydrostatic Proof	eumatic No						
NOTE: Suppleme tion in items 1 the recorded at the top	ental sheets in form of rough 6 on this report p of this form.	lists, sketches, o	or drawings may each sheet, and	be used, provided (1) (3) each sheet is num	size is 8½ bered and	in. x 11 in., (2) i d the number of:	nforma- sheets is	

(12/82)

RemarksApplicable	Manufacturer's Data Reports to be attached
	
N. H. C. C. C. C. C. C. C. C. C. C. C. C. C.	3
CERTII	FICATE OF COMPLIANCE
	report are correct and this <u>replacement</u> conforms to the rules of the
ASME Code, Section XI.	repair or replacement
	. '
Type Code Symbol StampNA	· · · · · · · · · · · · · · · · · · ·
NA	NTA
Certificate of Authorization No.	Expiration Date NA
Signed University IST Owner or Owner's Designee, Title	Expiration Date NACH 31 , 19 85
Signed U. A. Bruss IST Owner or Owner's Designee, Title	Expiration Date
Owner or Owner's Designee, Title CERTIFICA , the undersigned, holding a valid commission issued by the Province of Virginia and employers	ATE OF INSERVICE INSPECTION by the National Board of Roiler and Pressure Vessel Inspectors and the Sta
Owner or Owner's Designee, Title CERTIFICATION The undersigned, holding a valid commission issued by Province of Virginia and employed and employe	ATE OF INSERVICE INSPECTION by the National Board of Boiler and Pressure Vessel Inspectors and the Stated by HSBI and I Co.
Owner or Owner's Designee, Title CERTIFICATION The undersigned, holding a valid commission issued by Province of Virginia and employed and employe	ATE OF INSERVICE INSPECTION by the National Board of Boiler and Pressure Vessel Inspectors and the Stated by HSBI and I Co.
CERTIFIC, the undersigned, holding a valid commission issued to Province of Virginia and employed Hartford, Ct.	ATE OF INSERVICE INSPECTION by the National Board of Boiler and Pressure Vessel Inspectors and the State of By have inspected the components described by the National Board of State
CERTIFIC, the undersigned, holding a valid commission issued to Province of Virginia and employed Hartford, Ct.	ATE OF INSERVICE INSPECTION by the National Board of Boiler and Pressure Vessel Inspectors and the Stated by
CERTIFICATION OWNER'S Designee, Title CERTIFICATION OF Province of Virginia and employed Hartford, Ct. In this Owner's Report during the period of the best of my knowledge and belief, the Owner's Dewner's Report in accordance with the requirements of the contraction of the best of my knowledge and belief, the Owner's Report in accordance with the requirements of the contraction of the con	Date HARCH 31 , 19 25 ATE OF INSERVICE INSPECTION by the National Board of Boiler and Pressure Vessel Inspectors and the Stated by HSBI and I Co. have inspected the components described 5-10-94 to 5-10-97, and state the has performed examinations and taken corrective measures described in the of the ASME Code, Section XI.
CERTIFICATION OWNER'S Designee, Title CERTIFICATION OWNER'S Designee, Title CERTIFICATION OWNER'S Designee, Title CERTIFICATION OWNER'S Report of The Province of Virginia and employed Hartford, Ct. In this Owner's Report during the period on the best of my knowledge and belief, the Owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the period owner's Report in accordance with the requirement of the period owner's Report in accordance with the period owner's Report in accordance with the period owner's Report in accordance with the period owner's Report in accordance with the period owner's Report in accordance with the pe	Date
CERTIFICATION OWNER'S Designee, Title CERTIFICATION OWNER'S Designee, Title CERTIFICATION OWNER'S Designee, Title CERTIFICATION OWNER'S Report of The Province of Virginia and employed Hartford, Ct. In this Owner's Report during the period on the best of my knowledge and belief, the Owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the requirements of the period owner's Report in accordance with the period owner's Report in accordance with the requirement of the period owner's Report in accordance with the period owner's Report in accordance with the period owner's Report in accordance with the period owner's Report in accordance with the period owner's Report in accordance with the pe	Date
CERTIFIC, the undersigned, holding a valid commission issued to Province of Virginia and employed Hartford, Ct. In this Owner's Report during the period on the best of my knowledge and belief, the Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector not examinations and corrective measures described in the hall be liable in any manner for any personal injury conspection.	Date HARCH 31, 19 25 ATE OF INSERVICE INSPECTION by the National Board of Boiler and Pressure Vessel Inspectors and the Stated by HSBI and I Co. have inspected the components described in the sperformed examinations and taken corrective measures described in the of the ASME Code, Section XI. or his employer makes any warranty, expressed or implied, concerning the this Owner's Report. Furthermore, neither the Inspector nor his employer property damage or a loss of any kind arising from or connected with the special content of the section
CERTIFIC, the undersigned, holding a valid commission issued to Province of Virginia and employed Hartford, Ct. In this Owner's Report during the period on the best of my knowledge and belief, the Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector not examinations and corrective measures described in the hall be liable in any manner for any personal injury conspection.	Date
CERTIFIC, the undersigned, holding a valid commission issued to Province of Virginia and employed Hartford, Ct. In this Owner's Report during the period on the best of my knowledge and belief, the Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector not examinations and corrective measures described in the hall be liable in any manner for any personal injury of inspection.	Date HARCH 31, 19 25 ATE OF INSERVICE INSPECTION by the National Board of Boiler and Pressure Vessel Inspectors and the Stated by HSBI and I Co. have inspected the components described in the sperformed examinations and taken corrective measures described in the of the ASME Code, Section XI. or his employer makes any warranty, expressed or implied, concerning the state of the section of the

Serial Number: 95-168 Docket Number: 50-281 Page 117 of 127

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

=		·						
1.	Owner Virgin	ia Electric	and Power C	lo.	Date 3/31/95			
	 .	Name				-		
	5000 Dominion	Blvd., Glen Alle	n, Va. 23060		Şheet1 o	f1		
	_	*******						
2.	Plant Surry I	Power Station			Unit_Two_	-		
					"	_		
	5570 Hog Isla	nd Rd., Surry, Va	. 23883		W0#00313901-03,		79 ⁷ .O. No., Job No.,	etc.
_		Virginia Powe	r					
3.	Work Performed by	Virginia Powe	Name		Type Code Symbol	•		<u> </u>
		Same as above			Authorization No		NA.	
		Address			Expiration Date			
		Chemi	cal and Volume	Control				
4.	Identification of Sy	stem						
_	/)	or and a po		nn Edialaa	4	-1-1		0-4- 0
5.					_NAA	ddenda,_	N-1, N-7	_Code Case
	(b) Applicable Edit	tion of Section XI Ut	ilized for Repairs	or Replacement	ts 19			
6.	Identification of Co	omponents Repaired	or Replaced and R	leplacement Co	mponents			
_			1 1				T	<u> </u>
								ASME
			,					Code
				National			Repaired,	Stamped
	Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
	•		ì					
_	· · · · · · · · · · · · · · · · · · ·							
	Studs	NA	NA	NA	2-CH-MOV-2115D	NA	Replaced	No
			 			-		
	Nuts	NA .	NA	NA	2-CH-MOV-2115D	NA	Replaced	No
	Studs	Nova Machine Products Corp.	NA	NA.	2-CH-MOV-2115D	NA	Replacement	No_
		Nova Machine			1			
	Nuts	Products Corp.	NA	NA	2-CH-MOV-2115D	NA	Replacement	No_
								-
7.	Description of Work	Replace fasten	ers.					
3.	Tests Conducted:	Hydrostatic Pr	eumatic 🔲 No	minal Operating	Pressure 🗌	•		
		Other Pressure_	psi	Test Temp	°F			
	NOTE: Supplemen	tal sheets in form of	f lists, sketches, o	r drawings may	be used, provided (1)	size is 8½	in. x 11 in., (2) i	nforma-
	tion in items 1 thre	ough 6 on this repor	t is included on e	ach sheet, and	(3) each sheet is num	bered an	d the number of	sheets is
	recorded at the top	of this form.						

Studs-PO# SSY 426277, Nuts-PO# CNT 449104 9. Remarks Applicable Manufacturer's Data Reports to be attached **CERTIFICATE OF COMPLIANCE** We certify that the statements made in the report are correct and this replacement _conforms to the rules of the repair or replacement ASME Code, Section XI. Type Code Symbol Stamp _Expiration Date_ Certificate of Authorization No. **CERTIFICATE OF INSERVICE INSPECTION** I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Virginia HSBI and I Co. or Province of... and employed by_ Hartford, have inspected the components described 5-10-94 5-10-97 in this Owner's Report during the period_ , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection, Va. 543 Commissions National Board, State, Province, and Endorsements 4-3 19 95

Date

Serial Number: 95-168 Docket Number: 50-281 Page 118 of 127

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

=			-					
1.	Owner Virginia	a Electric and Po	wer Co.		Date4/3/95			
	5000 Dominion	Blvd., Glen Aller			Sheet1	<u>,</u> 1		
		Address	·		Sneet			
2.	Plant Surry Po	ower Station			Unit	_		
	5570 Hog Teler	Name nd Rd., Surry, Va.			<i>え995と</i> 3 WO#00 29563 -02	. RR#95-0	083	
		Address			DAL Repair Orga	-		etc.
3.	Work Performed by	/ Virginia Powe			Type Code Symbol			
	•	7,73,1112-10110	Name		Authorization No.			
		Same as above Address			Expiration Date		NA	
4	Identification of Su	stem Main	Steam					
4.	identification of Sy	Steinnarri	<i>-</i>					
5.	(a) Applicable Con	struction CodeB3	<mark>1.1</mark> 19	Edition,	NA PO	ddenda,_	N-1, N-7	_Code Case
	(b) Applicable Edit	tion of Section XI Ut	ilized for Repairs	or Replacement	s 19			
6.	Identification of Co	omponents Repaired	or Replaced and F	Replacement Co	mponents			
Γ		 	<u> </u>	· · · · ·		Т	1	<u> </u>
								ASME
				National	İ		Repaired,	Code Stamped
	Name of	Name of	Manufacturer	National Board	Other	Year	Replaced,	(Yes
	Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
L	Pin-	NA	NA_	NA NA	2-MS-HSS-35B	NA	Replaced	No
	Pin	Nova Machine Products Corp.	Ht.# 64477	NA NA	2-MS-HSS-35B	NA NA	Replacement	No
<u> </u>		<u> </u>	 		 		<u> </u>	ļ
\vdash						 		
7	Description of Work	Replace snubbe	r pin.					_
٠.	Description of work	`						
8.	Tests Conducted:	Hydrostatic Pr	_	ominal Operating	_			
		Other Pressure_	psi	Test Temp	°F			
	NOTE: Supplemen	ntal sheets in form o	f liete skatehae e	or drawings may	he used provided (1	size is 8V	6 in. x 11 in . <i>(2</i>) i	nforma-
	tion in items 1 thr	ough 6 on this repor	rt is included on	each sheet, and	(3) each sheet is nur	nbered an	d the number of	sheets is
	recorded at the top	of this form.						

(12/82)

9.	Remarks	PO# CSY-109285
		Applicable Manufacturer's Data Reports to be attached
		•
		CERTIFICATE OF COMPLIANCE
		le certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the repair or replacement
	Type Code	Symbol StampNA
	Certificate	of Authorization No. NA Expiration Date NA
	Certificate	
	Signed 4	where or Owner's Designee, Title Date Date Date 1921 3 , 1925
		CERTIFICATE OF INSERVICE INSPECTION
	I the under	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
		of Virginia and employed by HSBI and I Coof
		Hartford, Ct. have inspected the components described
	in this Owr	ner's Report during the period $5-10-94$ to $5-10-97$, and state that
	to the best	of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	Owner's Re	port in accordance with the requirements of the ASME Code, Section XI.
	By signi	ng this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
		ns and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer sole in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
	inspection.	
		Va. 543
	-	Inspector's Signature Commissions National Board, State, Province, and Endorsements
	Date.	U-4 10 95
-	Date	

Serial Number: 95-168 Docket Number: 50-281 Page 119 of 127

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

=										
			_		/ /7 /05					
1.	Owner Virginia Electric and Power Co.				Date4/3/95					
	5000 Dominion Blvd., Glen Allen, Va. 23060				Sheet1	1	•			
	Address				Sheet	of				
2	Plant Surry Power Station				UnitTwo					
۷.	PlantName				Onit					
	5570 Hog Island Rd., Surry, Va. 23883				WO#00298077-03, RR#95-084					
	Address				Repair Organization P.O. No., Job No., etc.					
3.	Work Performed by <u>Virginia Power</u> Name				Type Code Symbol StampNA					
					Authorization No. NA					
	Same as above				Expiration Date NA					
		Address								
4.	Identification of Sy	rstem Main \$	Steam							
		n7/		EE	MA		N-1 N-7			
5.		struction CodeB3'			XU	\ddenda,_	N-1, N-7	_Code Case		
	(b) Applicable Edit	tion of Section XI Uti	ilized for Repairs	or Replacement	s 19					
6.	Identification of Co	omponents Repaired o	or Replaced and F	Replacement Co	mponents					
			T	 		Т				
								ASME		
								Code		
				National			Repaired,	Stamped		
	Name of	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)		
	Component	Manufacturer	Serial No.	140.	Identification	Built				
	Pin	NA NA	NA	NA	2-MS-HSS-29	NA	Replaced	No		
		Dubose National			ľ					
	Pin	Energy Serv., Inc.	Ht.# 90549	NA NA	2-MS-HSS-29	NA	Replacement	No		
								_		
		 			 					
		 			 		· 			
					1					
_			L	<u> </u>	<u> </u>	i				
7	Description of Work	, Replace snubber	r pin.							
' .	Description of Work	` <u> </u>				_,				
8.	Fests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure									
	Other Pressure psi Test Temp. F									
	NOTE: Supplemen	NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) informa-								
		ough 6 on this repor	t is included on	each sheet, and	(3) each sheet is nur	nbered an	d the number of	sheets is		
	recorded at the top	of this form.								
								•		

(12/82)

Remarks	PO# CNT-455681
	Applicable Manufacturer's Data Reports to be attached
	
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the repair or replacement
Type Code S	Symbol StampNA
Certificate of	of Authorization No. NA Expiration Date NA
Signed	H. doew IST Evanded Date April 3 , 1955 wher or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Virginia and employed by HSBI and I Co.
	Hartford, Cthave inspected the components describe
in this Owne	ner's Report during the period 5-10-94 to 5-10-97, and state the
to the best of	of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in th
Owner's Rep	port in accordance with the requirements of the ASME Code, Section XI.
By signin	ng this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning th
examinations	ns and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe
shall be liabl	ole in any manner for any personal injury or property damage or a loss of any kind arising from or connected with th
inspection.	^ ·
1	Luber 1. Color cominion Va. 543
	Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date	4-4-7 19 95

Serial Number: 95-168 Docket Number: 50-281 Page 120 of 127

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 and Power Co.				Date4/3/95							
	Name 5000 Dominion Blvd., Glen Allen, Va. 23060 Address 2. Plant Surry Power Station Name 5570 Hog Island Rd., Surry, Va. 23883 Address				_						
					Sheet 1 of 1 Unit Two						
_											
2.											
					WO#00294598-0	WO#00294598-01, RR#95-085					
					Repair Organization P.O. No., Job No., etc.						
3.	Work Performed by Virginia Power Name				Type Code Symbol StampNA						
					Authorization No.						
	Same as above				iration DateNA						
		Address									
4.	Identification of S	ystemSafet	<u>Injection</u>		·						
5.	. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Cas (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89										
6.	Identification of C	omponents Repaired o	or Replaced and F	leplacement Co	mponents						
	Name of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)			
	Component Pin	Manufacturer NA	Serial No.	No.	Identification 2-SI-HSS-26	Built	Replaced	No No			
	Pin	Dubose National Energy Serv., Inc.		NA	2-SI-HSS-26	NA	Replacement	No			
7.	Description of Wor	k_ Replace snubbe	r pin.			•		· · · · · · · · · · · · · · · · · · ·			
8.	Tests Conducted:	Hydrostatic Pr Other Pressure_		minal Operating Test Temp							
	NOTE: Supplemention in items 1 the recorded at the top	ntal sheets in form of rough 6 on this repor o of this form.	flists, sketches, o t is included on e	r drawings may each sheet, and	be used, provided (1 (3) each sheet is nu) size is 8½ mbered and	in. x 11 in., (2) i d the number of	nforma- sheets is			

Remarks PO#_CNT-455681
Applicable Manufacturer's Data Reports to be attached
<u> </u>
·

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the
ASME Code, Section XI. repair or replacement
Type Code Symbol StampNA
· · · · · · · · · · · · · · · · · · ·
Certificate of Authorization No. NA Expiration Date NA
Signed Who losew IST Engwere Date April 4 , 19 95
Signed A for flow for the Date Date Apall 4 , 19 9.5 Owner or Owner's Designee, Title
OF DETICIONED OF INDEPOSION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat or Province of Virginiaand employed by KSBI and I Co
or Province of Virginia and employed by have inspected the components describe
in this Owner's Report during the period $5-10-94$ to $5-10-97$ and state the
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed 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.
$\bigcap \bigcap A \cap A \cap \bigcap$
Va. 543
Inspector's Signature National Board, State, Province, and Endorsements
Date 4-4 19 95

Serial Number: 95-168 Docket Number: 50-281 Page 121 of 127

ATTACHMENT 3 SURRY POWER STATION UNIT 2 ISI INSPECTIONS EVALUATIONS AND CORRECTIVE ACTION

POU 14

STD-GN-0041

TO: Mr. D.L. Rogers

ISI Engineering

FROM:

A.R. Fletcher

Supv. - Civil Design Engineering

March 16, 1995

OA Cat - SR

ET NO. S-95-0143, REV.0 EVALUATION OF ISI SUPPORT DISCREPANCIES SURRY POWER STATION, UNIT 2

Source Document:

Memorandum from D. Rogers dated February 20 and February 27, 1995

Physical Section 1

References:

Deviations S-95-0550 and S-95-0605

The purpose of this Engineering Transmittal is to document the Engineering evaluations of the two spring hanger discrepancies which were referred to Design Engineering by your memorandum of February 20, 1995 (Station Deviation S-95-0550) and your memorandum of February 27, 1995 (Station Deviation S-95-0605). The required corrective actions for these supports have been discussed with you previously, and the specified corrective actions have been previously implemented under Work Orders 00313102-01 and 00313507-01, respectively. The evaluations for these discrepancies are discussed below.

Support H-001 on 11548-WMKS-RC-12Z5 (Deviation S-95-0550)

This spring can was found to have a bent rod. The spring was carrying a load of 175 pounds. Comparison of the as-found load to the design cold load for the spring hanger (186 pounds) indicated that the support spring load was within the ±10% acceptance criteria. Therefore, it was concluded that the spring hanger was operable in the as-found condition. The bent rod was replaced under Work Order 00313102-01. It is our understanding that the scope of inspections was expanded for this discrepancy.

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Support H-004 on 11548-WMKS-CC-48Z (Deviation S-95-0605)

This spring can was found to be topped-out. As a result, the spring was carrying less than 450 pounds vs. the design cold load of 550 pounds. The initial evaluation was that the spring, even though topped-out, remained functional and operable. The basis for the initial functional/operability determination was the fact that the spring can is on a riser directly above an anchor, and because there is minimal thermal growth of the Component Cooling lines. This condition has been formally evaluated in Calculation DEO-0222 (currently in review) which confirms that the spring hanger was operable in the as-found condition. The spring can was reset to 550 pounds (+30 pounds/ -0 pounds) under Work Order 00313507-01. It is our understanding that the scope of the inspections was expanded as a result of this discrepancy.

In addition to these deviations, it is our understanding that the as-found load on spring hanger H-001 on 11548-WMKS-CC-37Z (485 pounds) is one pound below the \pm 10% acceptance criteria for the design cold load (540 pounds \pm 10%). Design Engineering considers this one pound difference to be of no consequence and therefore considers the spring can as acceptable as is.

This completes the Design Engineering evaluations of those support discrepancies which have been referred to us.

This Engineering Transmittal is considered to represent formal documentation of the evaluations of support discrepancies in compliance with previous commitments and, therefore, no Field Change will be issued to DCP 93-048 "MI Piping and Tubing Support Evaluations/Modifications."

If you have any questions or require further information, please contact me.

Prepared By:

M S Whitt

Reviewed By:

L.J. Cullivan, Jr.

Approved By:

A.R. Fletcher

pc:

T.B. Sowers

A.R. Fletcher

T.R. Huber

Design Control (Original)

DEO File

The "CC" system supports referenced above on this sheet are Code Class 3 and are not included in this report.

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MI PIPING AND TUBING SUPPORT EVA	ALUATIONS/MO	DIFICATIONS/SU	JRRY/1&2	93	-048	
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6. Preparing Engineer/Affiliation (Print) B. S. Rekhi/Va. Power		7. Signature	Skellin	8	6-23-9	
9. Mechanical Reviewer/Affiliation (Print) 45 Gordon/Va Ru.		10. Signature	Salo	1	1. Date 27 June 94	
12. Electrical Reviewer/Affiliation (Print)	13. Signature		1	4. Date	
15. Civil Reviewer/Affiliation (Print) L. J. Cullivan, Jr./Va. Power		16. Signature	llow J.		7. Date 6-27-94	
18. Other Discipline Reviewer/Affiliation D. L. Rogers/Va. Power	(Print)	19. Signature	Locus		0. Date /	
21. Project Engineer or Supervisor (Print) M. S. Whitt/Supv. Civil Design	i i i i i i i i i i i i i i i i i i i	22. Signature	_ S Ahi	x(2	3. Date 6/27/94	
24. Design Control Engineer (Print) R. E. Tolbert/Va. Power	je 14	25. Signature	Elllen	4 2	6. Date 199	
27. SNSOC Chairman (Print)	SHC.	28. Signature	on 1	2	9. Date	

30. Field Change:

1.0 REASON FOR CHANGE

During the current 1994 Unit 2 steam generator cleaning outage, ISI support inspections identified two supports with discrepancies requiring evaluation by Design Engineering. The two supports were identified in the memorandum of June 9 (Attachment 12A to this DCP) and are shown on the following PSSK support drawings:

11548-PSSK-125A1.6 11548-PSSK-CH-8.8A

This field change has been prepared to document the evaluations of these support discrepancies. This field change does not represent a scope increase to this DCP because all work described in this field change has already been performed under separate Work Orders.

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93-048

30. Field Change (Continued)

2.0 DESCRIPTION OF CHANGE

2.1 Support 11548-PSSK-125A1.6 (Station Deviation S-94-1221)

The ISI inspection of support 125A1.6 on pressurizer spray line 4"-RC-315-1502 identified the discrepancy that the nuts on the four bolts of the intermediate plates (not the baseplate on the concrete floor) were very loose. Follow-up examination by Civil Design Engineering identified that the full penetration weld shown on the support PSSK drawing between the two intermediate plates was also missing. The support was declared inoperable for its design function as an anchor restraining movement in all six degrees of freedom (three coordinate directions and rotations about those coordinate directions) and Station Deviation S-94-1221 was written. The support was still providing deadweight (vertical) support and some restraint in the axial and lateral directions of the pipe. Because the unit was at cold shutdown when the deviation was discovered there was no immediate system operability concern. The ISI inspection scope was expanded as a result of this deficiency.

As initial corrective action, the existing bolts were torqued prior to beginning any refilling of the pressurizer. In addition, the weld of the pad to the pipe (which was inadvertently not indicated on the PSSK support drawing) was confirmed to exist by Engineering. Discussions with corporate Engineering Mechanics determined that the Ebasco calculation had conservatively concluded that the four bolts were inadequate and had issued a Field Change to DCP 79-056 to make a full-penetration weld between the two intermediate plates. However, although the field change was signed off, this weld had not been made. Because the Ebasco calculation had indicated that the A307 bolts were "no good", the calculation was reviewed by Corporate Engineering Mechanics and it was determined that the allowable load for the A307 bolts had been reduced based on an extremely conservative temperature. Using a more reasonable value for maximum temperature for the bolts, the A307 bolts were found to be acceptable. While corporate Engineering Mechanics was able to demonstrate that the weld between the plates was not required even without high strength bolts, the existing bolts were replaced with A193 Grade B7 bolts under Work Order 00291611-01. Double nuts were put on the bolts (except for one where it could not be fit) to prevent a recurrence of the loose nuts. Therefore, current operability of the support as designed as an anchor has been fully restored.

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30. Field Change (Continued)

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In addition to specifying corrective action, Engineering was tasked with determining current and past operability of the system, determining applicability to Unit 1, and determining the cause of the deviating condition. These concerns are addressed in the Engineering response to the deviation, which is provided as Attachment 12-B to this DCP. The piping system was concluded to have been operable even with the support inoperable as an anchor. The support configuration is not applicable to Unit 1, and the error of indicating the weld between the two plates was made during the 79-14 effort.

The support drawing for the support (11548-PSSK-125A1.6) will be revised to delete the weld which was not made and to indicate the bolts are A193 Grade B7; in addition, the weld of the integral attachment pad to the pipe will be shown as verified.

2.2 Support 11548-PSSK-CH-8.8A

A baseplate of the pipe support shown on support drawing 11548-PSSK-CH-8.8A (line 3"-CH-301-1502) was identified as being off the concrete wall with a gap of approximately 14" behind the baseplate. The baseplate was inspected by Civil Design Engineering and the reported condition of the baseplate was confirmed. A Work Request was submitted to retorque the anchor bolts to verify that they were properly set and were not pulling out. A review of the support and baseplate calculations was made. It was determined that the support calculation had conservatively treated the support essentially as two individual supports -- one part for support 8A of line 3"-CH-301-1502 which is supported off of this baseplate, and the other part for support 9A of the same line supported off the other base plate on the referenced support drawing. Treating them as separate supports conservatively ignores the bracing and load transfer between the two parts. Even with the conservative assumptions of the calculation, the loads on the anchor bolts were low. The calculation for the baseplate in question assumed a 30% increase in bolt tension to account for prying action. The maximum load on the anchor bolts was calculated to be less than 25% of the allowable anchor bolt load. If the tension load had been doubled instead of increased by 30% for prying, the anchor bolts would still be loaded to only about 35% of the allowable (which incorporates a factor of safety of four). Therefore, it was concluded that unless the anchor bolts had actually pulled out, that there would be sufficient margin to accommodate any gaps behind the baseplate.



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VIRGINIA POWER

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1. Design Change Title/Station/Unit

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30. Field Change (Continued)

The anchor bolts were retorqued to 140 foot-pounds under Work Order 00291615-01, verifying acceptable installation of the anchor bolts; because of the unevenness of the concrete wall some gaps from 1/16 to 1/8 inch still exist, confirming that the gaps were an original installation problem. It is concluded that because of the low loads, the anchor bolts and baseplate are acceptable as is. Therefore, the support is considered to be, and to have been, operable in the condition identified. However, for conservatism, the ISI inspection sample was increased as a result of this maintenance retorquing activity.

The support drawing for the support (11548-PSSK-CH-8.8A) will be revised to indicate that the gaps behind the baseplate exist and are acceptable.

3.0 ACTUAL CHANGES TO DCP SECTIONS

3.1 Records Management shall incorporate this Field Change and Attachments 12A and 12B into DCP 93-048 to document these support evaluations.

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