#### ATTACHMENT I

INSERVICE INSPECTION REPORT

of the

North Anna Power Station

Unit 2

P.O. Box 402

Mineral, Virginia 23117

for

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

Operating Capacity: 944 MWe (net)

## 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, Glen Allen, VA 23060 (Name and Address of Owner)
2.	Plant North Anna Power	Station, P.O. Box 402, Mineral, VA 23117 (Name and Address of Plant)
3.	Plant Unit _ Unit 2 4	Owner Certificate of Authorization (if required) N/A
5.	Commercial Service Date 12-14-80	6. National Board Number for Unit N/A

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
REACTOR VESSEL	RDM ROTTERDAM	30662	VA 61445	N/A
PRESSURIZER	WESTINGHOUSE ELECTRIC CORP.	1291	VA 61434	68-104
STEAM GENERATOR "A"	WESTINGHOUSE ELECTRIC CORP.	1281	VA 61431	68-95
STEAM GENERATOR "C"	WESTINGHOUSE ELECTRIC CORP.	1283	VA 61433	68-97
CLASS 1 PIPING NON-SERIALIZED	STONE & WEBSTER ENG. CORP.	N/A	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	285	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	291	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	294	N/A	N/A
REACTOR COOLANT	ESCO CORP.	819	N/A	N/A
REACTOR COOLANT	LSCO CORP.	710	N/A	N/A
REGENERATIVE HEAT EXCHANGER	JOSEPH DAY & COMPANY	1831-12-3	VA 61435	452
ACCUMULATOR TANK	DELTA SOUTHERN CO.	41370-71-1	VA 61420	2822
"A" St WATER INJECTION FILTER	COMMERCIAL FILTERS DIVISION	19046-1966	N/A	1464
"B" SEAL WATER INJECTION FILTER	COMMERCIAL FILTERS DIVISION	19046-1967	N/A	1465
CLASS 2 PIPING NON-SERIALIZED	STONE & WEBSTER ENG. CORP.	N/A	N/A	N/A
CLASS 1 COMPONENT SUPPORTS	VIRGINIA ELECTRIC & POWER CO.	N/A	N/A	N/A

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#### FORM NIS-1 (Back)

8. Examination Dates 5.7-89 to 10-30-90 9	. Inspection Interval from 12-14-80 to 12-14-90
10. Applicable Editions of Section XI 1974 Addend	a 875
<ol> <li>Abstract of Examinations. Include a list of examination for current interval. Pages 1 - 53</li> </ol>	ns and a statement concerning status of work required
12. Abstract of Conditions Noted. Pages 9 - 53	
13. Abstract of Corrective Measures Recommended and Tal	ken. Pages 9 - 53
We certify that the statements made in this report sures taken conform to the rules of the ASME Code, Section Certificate of Authorization No. (if applicable)  N/A  Date JANUAR / 24 19 92 Signed Virginia	
CERTIFICATE OF INSER	RVICE INSPECTION
I, the undersigned, holding a valid commission issued by the and the State or Province of Virginia  hartford, Cl  5-7-89  to have inspected the component of th	XI. employer makes any warranty, expressed or implied, ribed in this Owner's Report. Furthermore, neither ac any personal injury or property damage or a loss of any

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

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Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
CLASS 2 COMPONENT SUPPORTS	VIRGINIA ELECTRIC & POWER	N/A	N/A	N/A
CLASS 3 COMPONENT SUSPORTS	VIRGINIA ELECTRIC & POWER	N/A	N/A	N/A
LOW HEAD ST PUMF	INGERSOL-RAND	VGB-STAPLH-02	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-005	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-006	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-138	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-139	N/A	N/A
REPAIR AND	VIRGINIA ELECTRIC & POWER CO.	90-152	N/A	N/A
REPAIR AND REPLACEMENT	FLOUR DANIEL	90-159	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-192	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90 - 195	N/A	N/A
REPAIR AND	WESTINGHOUSE ELECTRIC CORP.	90-197	N/A	N/A
REPAIR AND REPLACEMENT	FLOUR DANIEL	90-200	N/A	N/A
REPAIR AND REPLACEMENT	FLOUR DANIEL	90-201	N/A	N/A
REPAIR AND	FLOUR DANIEL	90-202	N/A	N/A
REPAIR AND	VIRGINIA ELECTRIC & POWER CO.	90+203	N/A	N/A

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#### SUPPLEMENTAL SHEET

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

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1	Owner		Vir	ginia :	Electri	& Powe	r Co	mpany	5000 y, Glen	Dominio Allen,	n Blvd. VA 23060
					(Name and Ad	dress of O	wner)				
2.	Plant N	orth	Anna	Power	Station,	P.O.	Box	402	Mineral	, VA 23	117
					(Name and A		SECURE AND DESCRIPTION OF THE PARTY OF THE P				
3.	Plant Unit	Unit	2	4	Owner Certifi	cate of A	uthoriza	tion (if	required)	N/A	
5.	Commerci	al Servi	ce Date	12-14-80	6. National I	Board Nur	nber for	Unit	N/A		

7. Components Inspected

(12/86)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
REPLACEMENT	VIRGINIA ELECTRIC & POWER	90-209	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER	90-210	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER	90-215	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-216	N/A	N/A
REPATR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-222	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-225	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-B001	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-B002	H/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8003	N/A	A/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8004	N/A	H/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8005	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8006	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8019	N/A	N/A
REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8020	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8021	N/A	N/A
REPAIR AND REPLACEMENT	WESTINGHOUSE ELECTRIC CORP.	90-8022	N/A	N/A

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# SUPPLEMENTAL SHEET Page 4 of 53 FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

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5.	Commercial Service Date 12-14-80 6. National Board Number for Unit N/A

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Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8024	N/A	N/A
REPAIR AND	VIRGINIA ELECTRIC & POWER CO.	90-8026	k/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8029	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8031	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-B034	N/A	N/A
REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8035	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8036	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8037	N/A	N/A
REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8038	N/A	N/A
REPAIS AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8040	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8041	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8042	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8043	N/A	N/Å
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8044	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8047	N/A	N/A
REPAIR AND	VIRGINIA ELECTRIC & POWER CO.	90-8049	N/A	N/A

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7. Components Inspe

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8050	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO	90 - 805 1	H/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & PMER CO.	90-8052	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTR' & POWER CO.	90-8053	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8054	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8055	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8056	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8057	N/A	N/A
REPAIR AND '	VIRGINIA ELECTRIC & POWER CO.	90-8058	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8059	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8060	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8061	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8062	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8063	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-8067	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-8035	N/A	N/A

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5.	Commercial Service Date 12-14-80 6. National Board Number for Unit N/A
-	Companies Instanted

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER	91-8036	N/A	N/A
SKUBBER REPLACEMENTS	VIRGINIA ELECTRIC & POWER	MMP-P-HSS-1, 2-P1-79.0 & 79.3	N/A	N/A
DESIGN CHANGE PACKAGE	FLOUR DANIEL	89-47-2	N/A	N/A
DESIGN CHANGE PACKAGE	WESTINGHOUSE ELECTRIC COPR.	89-50	K/A	N/A
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- 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
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#### Interval 1 Examination Summary

#### Introduction

This report includes the interval 1 inservice examinations of Class 1, Class 2, and Class 3 components, piping and component supports that were conducted at North Anna Power Station Unit 2 from May 7, 1989 to October 30, 1990. The examinations during the first interval were performed to meet the requirements of ASME Section XI, 1974 Edition, Summer of 1975 Addenda. The examinations reported complete the examination requirements for the first inspection interval, with the exception of one component support.

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

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

#### Limitations

Some of the arrangements and details of the piping system and components were designed and fabricated before the access and examination requirements of Section XI of the 1974 Code could be applied; consequently some examinations are limited or not practical due to geometric configuration or accessibility.

#### Examinations

Examinations were conducted to review as much of the examination zones as was practical within geometric, metallurgical and physical limitations. When the required ultrasonic examination volume or area could not be examined 100%, the examination method was evaluated and alternate angles or methods were considered in an attempt to achieve the maximum examination volume. Generally partial examinations (PARs) are noted at fitting to fitting assemblies and where integrally welded

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supports, lugs or hangers, etc., preclude access to some part of the examination area.

Some examinations were performed after the end of the refueling outage but prior to the end the period. These post outage exams are noted by "PO" in the abstract — xaminations. These post-outage examinations are included in this — trather than the next report to state the extent of completion of the first interval examinations. The first interval post-outage examinations contained in this report will not be reported in the next NIS-1 report.

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#### Results

Examinations of components and component supports resulted in a total of 31 components being reported on the basis of procedure reporting criteria.

A summary of the indications and their dispositions follows:

- A) Four indications were reported on the "C" Loop cold leg branch connection (VGB-1-4300 weld 25BC 1 Class 1). The indications were reported as having a raised surface and were delineated by penetrant bleedout around their perimeter. The indications were removed by Repair Program 90-222. The areas were reexamined and found to be acceptable.
- B) Deformed threads were reported on one stud of "B" pressurizer safety valve flange, 2-RC-SV-2551B, (VGB-1-4700 item 17 shown on ISO VGB-1-4500 Class 1). The stud was replaced by Bolting Program 90-B043.
- C) Deformed threads were reported on one stud of "C" pressurizer safety valve flange, 2-RC-SV-2551C, (VGB-1-4700 item 18 shown on ISO VGB-1-4500 - Class 1). The stud was replaced by Bolting Program 90-B044.
- D) A 1 inch linear indication was found on seal house bolt number 2 on reactor coolant pump 2-RC-P-1C (VGB-1-5100A Class 1). The bolt was replaced with serial number 9486 by Bolting Program 90-B022.
- E) General corrosion and evidence of coolant leakage was reported on the body to bonnet study of the "C" hot leg loop stop valve, 2-RC-MOV-2594 (VGB-1-6100 item 5 shown on ISO VGB-1-4300 Class 1). The study were cleaned and reexamined and determined to be acceptable.
- F) General corrosion and evidence of coolant leakage was reported on the body to bonnet study of the "C" cold leg loop stop valve, 2-RC-MOV-2595 (VGB-1-6100 item 6 shown on ISO VGB-1-4300 Class 1). The study were cleaned and reexamined and determined to be acceptable.

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- G) Evidence of coolant leakage was reported on the body to bonnet studs of the "B" loop RTD return isolation valve, 2-RC-55 (VGB-6300 item 32 shown on ISO VGB-1-4207 Class 1). The studs were cleaned and reexamined and determined to be acceptable.
- H) Evidence of coolant leakage was eported on the body to bonnet study of the "B" loop RTD return isolation valve, 2-RC-63 (VGB-6300 item 33 shown on ISO VGB-1-4207 Class 1). The study were cleaned and reexamined and determined to be acceptable.
- I) Evidence of coolant leakage and rust was reported on the body to bonnet study of the "C" loop drain valve, 2-RC-HCV-2557C (VGB-6300 item 50 shown on ISO VGB-1-4311 Class 1) The study were cleaned and reexamined and found to be acceptable.
- J) A 2 1/2" x 1 1/2" dent was found on the discharge of the "A" low head pump, 2-S1-P-1A, near FW-4 shown on ISO VGB-2-2525 (Class 2). The area was examined by UT and PT. The condition was evaluated by Virginia Electric and Power Company Engineering and found to be acceptable.
- K) Grout was missing under the base plate of WCMU-R-7 shown on 12050-WMKS-102E-2 (Class 3). The condition was evaluated by Virginia Electric and Power Company Engineering and additional examination criteria was provided. The support was reexamined and found to be acceptable to the additional examination criteria. In addition, the field location did not agree with the drawing 12050-WMKS-102E-2. The location did agree with piping drawing 12050-FP-2J-12. Drawing update requests have been submitted on 12050-WMKS-102E-2 to reflect the correct location of WCMU-R-7. Drawing 12050-WMKS-102E-2 will be revised prior to the end of the next refueling outage.
- L) A bolt was found to be loose on the pipe clamp for RC-SH-3 on 2"-RC-458-1502-Q1 12050-WMKS-103AY (Class 1). The clamp had shifted out of position. The spring setting was also found to be out of tolerance. The condition was evaluated by Virginia Electric and Power Company Engineering and found to be acceptable for past operation. The clamp was realigned, pipe clamp bolt tightened, and the spring setting was adjusted. The support was reexamined and found to be acceptable.

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- M) A crescent wrench was used as a spring stop and the spring setting was found to be out of tolerance for RC-SH-3 on line 3"-RC-619-1502-Q1 on 12050-WMKS-103AY (Class 1). The crescent wrench was being used as a temporary stop while an adjacent hydraulic snubber was being removed. The condition was evaluated by Virginia Electric and Power Company Engineering and found to be acceptable. The crescent wrench was removed, the spring was return to its functional status. The support was reexamined and found to be acceptable.
- N) A spacer bolt and nut were missing on RC-SH-1 on 12050-WMKS-103BA (Class 1). The missing spacer bolt could not be located and the cause could not be determined. The spacer bolt and nuts were replaced under Bolting Program 91-B036. The support was reexamined and found to be acceptable.
- O) A spring support, RC-SH-2 on 12050-WMKS-103CB (Class 1), was reported as being a snubber. A review by Virginia Electric and Power Engineering found documentation supporting both the presence and absence of a spring hanger at the location shown on 12050-WMKS-103CB. The piping was evaluated with and without the spring hanger and found to be acceptable in both cases. The drawing will be walked down during the nest outage and revised as necessary.
- P) A loose pipe clamp bolt, a loose jam nut, and heavy corrosion on both spherical bearings was found on RC-R-4 on 12050-WMKS-103DA (Class 1). The loose pipe clamp bolt and jam nut were tightened. The spherical bearing was cleaned. The support was reexamined and found to be acceptable.
- Q) A loose pipe clamp bolt was found on RC-R-2 on 12050-WMKS-103DC-1 (Class 1). The pipe clamp bolt was tightened. The support was reexamined and found to be acceptable.
- R) A loose pipe clamp bolt and a loose jam nut were found on SI-R-31 on 12050-WMKS-104B-1 (Class 2). Paint on the spherical bearings was noted but not as a rejectable condition. The pipe clamp and jam nut were tightened. The support was reexamined and found to be acceptable.

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- S) An anchor bolt and nut were found to be missing on support WS-A-3 on 12050-WMKS-105A-1 (Class 3). The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The applicable drawings have been revised to reflect the field condition.
- T) Two gaps were found to exceed the specified tolerance on support WS-A-12 on 12050-WMKS-105A-1 (Class 3). The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable.
- U) A gap was found to exceed the spec'fied the tolerance on support WS-A-23 on 12050-WMKS-105A-1 (Class 3). The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable.
- V) An anchor bolt was missing from the base plate of WS-R-17 on 12050-WMKS-105A-2 (Class 3). The condition was previously evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. All applicable drawings reflect the field condition.

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- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd. Olen Allen, Virginia, 23660
- 2 Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4 Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12:14:80
- 6. National Board Number for Unit N/A
- W) The following supports were found to have their base plates submerged in water (Class 3). Heavy corrosion and degradation were noted on the base plates, nuts, bolts, and connecting welds. In addition WCMU-R-32 had a 3/8 inch gap between the base plate and grout. The gap, corrosion, and degradation were evaluated by Virginia Electric and Power Engineering and determined to be acceptable. The supports will be cleaned, painted, and reexamined prior to the end of the next refueling outage.

Mark Number
WCMU-R-10
WCMU-R-12
WCMU-R-13
WCMU-R-15
WCMU-R-16
WCMU-R-18A
WCMU-R-30
WCMU-R-31
WCMU-R-32
WCMU-R-33
WCMU-R-34

X) Heavy rust was noted on the following supports (Class 3). The condition of rust was determined to be not rejectable by the examiner.

Drawing	Mark Number
12050-WMKS-107AAH	QS-R-43
12050-WMKS-107AAH	QS-R-44
12050-WMKS-107AAH	QS-R-45
12050-WMKS-107AAH	QS-R-46
12050-WMKS-107AAH	QS-R-47
12050-WMKS-107AAH	QS-R-48
12050-WMKS-107AAH	QS-R-49
12050-WMKS-107AAH	QS-R-50
12050-WMKS-107AAH	QS-R-51
12050-WMKS-107AAH	QS-SH-52

Y) Paint was found on the spherical bearing of SI-R-223 on 12050-WMKS-107E (Class 2). The condition was evaluated by Virginia Electric and Power Company Engineering and found to be acceptable.

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- Z) A loose pipe clamp bolt was noted on RC-R-31 on 12050-WMKS-110D (Class 1). An attempt to tighten the bolt was unsuccessful. The condition was evaluated by Virginia Electric and Power Company Engineering and found to be acceptable. The bolt will be replaced prior to the end of the next refueling outage.
- AA) A loose pipe clamp bolt and four unengaged threads were found on 2+ CH-SH-5 on 12050-WMKS-111AB (Class 1). The pipe clamp bolt was replaced with a longer bolt under Bolting Program 91-B035 and all fasteners were tightened. The support was reexamined and found to be acceptable.
- AB) The spring setting was found to be out of tolerance for SI-SH-17A and SI-SH-17B on 12050-WMKS-113C (Class 1). The settings were adjusted and the supports were reexamined and found to be acceptable. The paint will be removed prior to the end of the next refueling outage.
- AC) Paint on the spherical bearing was noted on CC-R-417 on 11715-WMKS-118N-3 (Class 3). The condition was evaluated by Virginia Electric and Power Company Engineering and found to be acceptable. The paint will be removed prior to the end of the next refueling outage.
- AD) Paint on the spherical bearings, restricted movement and moderate thread engagement on the bottom eye rod to sway strut connection was found on CC-R-418 on 11715-WMKS-118N-3 (Class 3). The condition was evaluated by Virginia Electric and Power Company Engineering and found to be acceptable. The paint will be removed, the thread engagement adjusted (WR 645591), and reexamined prior to the end of the next refueling outage.

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#### Repairs and Replacements

Repairs and replacements completed during this inservice inspection period were performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code, 1980 Edition thru the Winter 1981 Addenda and the 1983 Edition thru the Summer 1983 Addenda.

The following paragraphs and the attached NIS-2 Forms (Attachment III, pages 1 thru 72) represent those repairs and replacements performed on Class 1 or Class 2 systems:

- A) 90-005 Replaced a 10" expansion joint, RS-MEJ-1A, on the discharge of the "A" outside recirculation spray pump, with serial number U2-4928 (Class 2). The expansion joint was damaged by improper operation of the system. Stude and nuts were replaced by polting program 90-B001.
- B) 90-006 Replaced a 10" expansion joint, RS-MEJ-1B, on the discharge of the "B" outside recirculation spray pump, with serial number U2-4927 (Class 2). The expansion joint was damaged by improper operation of the system. Studs and nuts were replaced by bolting program 90-B002.
- C) 90-138 Ground weld 22 as shown on ISO VGB-2-2533 for UT exam (Class 2). A PT and a UT exam were performed.
- D) 90-139 Ground weld 17 as shown on ISO VGB-2-2534 for a UT exam (Class 2). A PT and a UT exam were performed.
- E) 90-152 Replaced a bonnet on a 3" chemical volume and control diaphragm valve, 2-CH-124, (Class 2). The valve would not turn using the reach rod. The material was upgraded from class 3 to class 2 by performing RT and LP exams
- F) 90-159 Replaced a clevis pin, spanner nut, and jam nut on large bore snubber, 2-RC-HSS-3C (Class 1). The items were damaged during removal. The replacement of the snubber is covered under Repair Program 90-201.
- G) 90-192 Repaired steam cuts on the gasket seating surface on a 6" pressure control valve, 2-MS-PCV-201A (Class 2). All work and testing was completed during the outage. Final work order signoff was completed after the outage.

### NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

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- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80
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- H) 90-195 Replaced a 4" chemical volume and control gate valve, 2-CH-408 (Class 2). The valve had a body to bonnet leak and did not operate properly.
- I) 90-197 Installed two 7/8" welded plugs in the "A" steam generator, 1-RC-E-1A (Class 1). Plugs were located in row 30, column 59 and row 38, column 73. Plugs were installed to remove tubes which had linear indications from service.
- J) 90-200 Replaced large bore snubber, serial number 006, located in location 2-RC-HSS-3A with serial number 015 (Class 1). The snubber was observed to have no positive pressure at the time of the asfound inspection. The program was written after the work was performed (DR-90-1426). The replaced snubber was tested and determined by Virginia Electric and Power Company Engineering to be operable.
- K) 90-201 Replaced large bore snubber, serial number 005, located in location 2-RC-HSS-3C with serial number 014 (Class 1). The snubber was observed to have no positive pressure at the time of the asfound inspection. The program was written after the work was performed (DR-90-1426). The replaced snubber was tested and determined by Virginia Electric and Power Company Engineering to be operable. The clevis pin, spanner nut, and jam nut were replaced under Repair Program 90-159.
- L) 90-202 Replaced large bore snubber, serial number 004, located in location 2-RC-HSS-11B with serial number 005 (Class 1). The snubber was observed to hav no positive pressure at the time of the as-found inspection. The program was written after the work was performed (DR-90-1426). The replaced snubber was tested and determined by Virginia Electric and Power Company Engineering to be operable.
- M) 90-203 Removed surface irregularities by mechanical means from weld 21 shown on ISO VGB-2-2533 to prepare the surface for a UT exam (Class 2). The area was examined by UT and LP and found to be acceptable.

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- N) 90-209 Removed 13 linear indications from 2-FW-PP-5D-15 (weld 10 shown on ISO VGB-2-2101 Class 2). The indications were discovered during a UT thickness exam. The area was reexamined by magnetic particle and found to be acceptable.
- 0) 90-210 Removed a linear indication from weld 5 shown on ISO VGB-2-1210 on the "A" safety injection accumulator tank, 2-SI-TK-1A (Class 2 national board number 2822). The indication was discovered during an inservice inspection. The area was reexamined by liquid penetrant and found to be acceptable.
- P) 90-215 Installed a site fabricated cap on a 2" reactor coolant globe valve, 2-RC-19, (Class 1). The cap was installed to contain diaphragm leaks. The VT-2 exam was performed Guring startup after the official outage end date.
- Q) 90-216 Installed a site fabricated cap on a 2" reactor coolant globe valve, 2-RC-52, (Class 1). The cap was installed to contain diaphragm leaks. The VT-2 exam was performed during startup after the official outage end date.
- R) 90-222 Removed weld splatter from weld 25BC on 6"-RC-420-1502-Q1 shown on ISO VGB-1-4300 (Class 1 serial number 0294). The area was reexamined and found to be acceptable.
- S) 90-225 Repaired steam cuts on bonnet rabbit on a 3" main steam globe valve, 2-MS-95 (Class 2). The valve was previously furmanited. The bolting was replaced under Bolting Program 90-B067. The VT-2 exam was performed during startup after the official outage end date.
- T) 90-B001 Replaced 24 studs and 48 nuts on 10" expansion joint, 2-RS-MEJ-1A, on the discharge of the "A" outside recirculation spray pump (Class 2). Expansion joint was replaced under repair and replacement program 90-005.
- U) 90-B002 Replaced 24 studs and 48 nuts on 10" expansion joint, 2-RS-MEJ-1B, on the discharge of the "B" outside recirculation spray pump (Class 2). Expansion joint was replaced under repair and replacement program 90-006.

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- V) 90-B003 Replaced 4 studs and 8 nuts on a 3 safety injection flange. The studs and nuts were replaced due to boric acid from a flange leak. (Class 2).
- W) 90-B004 Replaced 4 studs and 8 nuts on the 1" inlet flange of the excess letdown heat exchanger, 2-CH-E-4 (Class 2). The flange leak was found during a containment walkdown. The studs were replaced one at a time therefore no VT-2 exam was required.
- X) 90-B005 Replaced 8 studs and 16 nuts on the discharge flow element flange, 2-CH-FE-2122, of the "B" low head safety injection pump, 2-SI-P-1B, (Class 2).
- Y) 90-B006 Replaced 8 studs and 16 nuts on the 6' "O" charging pump suction flange, 2-CH-P-1C (Class 2). The studs and nuts were replaced during the gasket replacement as a good maintenance practice.
- Z) 90-B019 Replaced 16 studs and 32 nuts on 12" safety injection valve 2-SI-1 (Class 2). The valve was disassembled for ASME XI valve internals inspection. The studs were reported as having corrosion and rust.
- AA) 90-B020 Replaced 20 studs and 40 nuts on 12" safety injection valve, 2-SI-MOV-2860A (Class 2). The studs and nuts were replaced as part of routine maintenance. The studs were replaced one at a time therefore no VT-2 exam was required.
- AB) 90-B021 Replaced 12 studs and 12 nuts on 3" safety injection valve, 2-SI-MOV-2836 (Class 2). The studs and nuts were noted as having general corrosion.
- AC) 90-B022 Replaced 1 bolt on reactor coolant pump, 1-RC-P-1C, seal injection flange (VGB-1-5100A, Class 1). The bolt was rejected by NDE during inservice inspection. During the examination of the replacement bolt an ANII hold was bypassed (DR-N1-91-61). The nonconformance will be resolved and any necessary actions will be implemented prior to the end of the next refueling outage. The VT-2 exam was performed during startup after the official outage end date.

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- AD) 90-B024 Replaced 10 studs and 20 nuts on quench spray valve, 2-QS-MOV-202A (Class 2). The studs were noted as having general corrosion.
- AE) 90-B026 Replaced 4 studs and 8 nuts on 4" quench spray diaphragm valve, 2-QS-28 (Class 2). The studs and nuts were replaced during the replacement of the valve diaphragm.
- AF) 90-B029 Replaced 12 studs and 12 nuts on 3" chemical volume and control check valve, 2-CH-358 (Class 1). Bolting was replaced as part of the gasket replacement.
- AG) 90-B031 Replaced 20 studs and 40 nuts on 12" safety injection valve, 2-SI-MOV-2860B (Class 2). The studs and nuts were reported as having corrosion.
- AH) 90-B034 Replaced 10 studs and 20 nuts on 8" chemical volume and control valve, 2-CH-MOV-2115D (Class 2). The studs and nuts were corroded due to a body to bonnet leak.
- AI) 90-B035 Replaced 8 studs and 16 nuts on chemical volume and control relief valve, 2-CH-RV-2209 (Class 2). The studs and nuts were replaced as a good maintenance practice. The VT-2 exam was performed during startup after the official outage end date.
- AJ) 90-B036 Replaced 8 studs and 16 nuts on chemical volume and control valve, 2-CH-RV-2382B (Class 2). The valve was removed for relief valve testing.
- AK) 90-B037 Replaced 12 studs and 12 nuts on safety injection valve, 2-SI-MOV-2869A (Class 2). The studs and nuts were replaced as a good maintenance practice.
- AL) 90-B038 Replaced 4 studs and 4 nuts on 1 1/2" quench spray valve, 2-QS-29 (Class 2). The studs and nuts were noted to have corrosion.
- AM) 90-B040 Replaced 8 studs and 16 nuts on 3" chemical volume and control valve, 2-CH-MOV-2381 (Class 2). The studs and nuts were replaced as a good maintenance practice and because of an unacceptable visual examination on several studs. The VT-2 exam was performed during startup after the official outage end date.

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- AN) 90-B041 Replaced 4 studs and 4 nuts on 1" excess letdown heat exchanger inlet flange, 2-CH-E-4 (Class 2). The studs and nuts were corroded due to boric acid. The VT-2 exam was performed during startup after the official outage end date.
- AO) 90-B042 Replaced 12 studs on 6" pressurizer safety valve flange, 2-RC-SV-2551A, (VGB-1-4700 item 16 Class 1). The studs were replaced due to incomplete material certification The VT-2 exam was performed during startup after the official outage end date.
- AP) 90-B043 Replaced 1 stud on 6" pressurizer safety valve flange, 2-RC-SV-2551B, (VGB-1-4700 item 17 Class 1). The stud was replaced due to deformed threads found during inservice inspection. The VT-2 exam was performed during startup after the official outage end date.
- AQ) 90-B044 Replaced 1 stud on 6" pressurizer safety valve flange, 2-RC-SV-2551C, (VGB-1-4700 item 18 Class 1). The stud was found to be deformed during inservice inspection. The VT-2 exam was performed during startup after the official outage end date.
- AR) 90-B047 Replaced 12 studs and 12 nuts on 3" main steam valve, 2-CH-250 (Class 2). The studs and nuts were replaced due to degradation caused by a body to bonnet leak found during regular scheduled preventative maintenance. The VT-2 exam was performed after the outage.
- AS) 90-B049 Replaced 12 studs and 24 washers on 6" main steam safety valve, 2-MS-SV-201A (VGB-2-4100 item 1, Class 2). The studs and washers were replaced due to galled threads found during scheduled safety valve testing. The VT-2 exam was performed after the outage.
- AT) 90-B050 Replaced 12 studs and 24 washers on 6" main steam safety valve, 2-MS-SV-201B (VGB-2-4100 item 9, Class 2). The studs and washers were replaced due to galled 'hreads found during scheduled safety valve testing The VT-2 exam was performed after the outage.
- AU) 90-B051 Replaced 12 studs, 12 nuts, and 24 washers on 6" main steam safety valve, 2-MS-SV-201C (VGB-2-4100 item 17, Class 2). The studs, nuts, and washers were replaced due to galled threads found during scheduled safety valve testing. The VT-2 exam was performed after the outage.

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- AV) 90-B052 Replaced 12 studs, 24 nuts, and 24 washers on 6" main steam safety valve, 2-MS-SV-202A (VGB-2-4100 item 4, Class 2). The studs, nuts, and washers were replaced due to galled threads found during scheduled safety valve testing. The VT-2 exam was performed after the outage.
- AW) 90-B053 Replaced 12 studs, 24 nuts, and 24 washers on 6" main steam safety valve, 2-MS-SV-202B (VGB-2-4100 item 12, Class 2). The studs, nuts, and washers were replaced due to galled threads found during scheduled safety valve testing. The VT-2 exam was performed after the outage.
- AX) 90-B054 Replaced 12 studs, 24 nuts, and 24 washers on 6" main steam safety valve, 2-MS-SV-202C (VGB-2-4100 item 20, Class 2). The studs, nuts, and washers were replaced due to galled threads found during scheduled safety valve testing. The VT-2 exam was performed after the outage.
- AY) 90-B055 Replaced 12 studs, 24 nuts, and 24 washers on 6" main steam safety valve, 2 MS-SV-203A (VGB-2-4100 item 3, Class 2). The studs, nuts, and washers were replaced due to galled threads found during scheduled safety valve testing. The VT-2 exam was performed after the outage.
- AZ) 90-B056 Replaced 12 studs, 24 nuts, and 24 washers on 6" main steam safety valve, 2-MS-SV-203B (VGB-2-4100 item 11, Class 2). The studs, nuts, and washers were replaced due to galled threads found found during scheduled preventative maintenance. The VT-2 exam was performed after the outage.
- BA) 90-B057 Replaced 12 studs, 24 nuts, and 24 washers on 6" main steam safety valve, 2-MS-SV-203C (VGB-2-4100 item 19, Class 2). The studs, nuts, and washers were replaced due to galled threads found during scheduled safety valve testing. The VT-2 exam was performed after the outage.
- BB) 90-B058 Replaced 12 studs, 24 nuts, and 24 washers on 6" main steam safety valve, 2-MS-SV-204A (VGB-2-4100 item 2, Class 2). The studs, nuts, and washers were replaced due to galled threads found during scheduled safety valve testing. The VT-2 exam was performed after the outage.

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- BC) 90-B059 Replaced 12 studs, 24 nuts, and 24 washers on 6" main steam safety valve, 2-MS-SV-204B (VGB-2-4100 item 10, Class 2). The studs, nuts, and washers were replaced due to galled threads found during scheduled safety valve testing. The VT-2 exam was performed after the outage.
- BD) 9C-B060 Replaced 12 studs, 24 nuts, and 24 washers on 6" main steam safety valve, 2-MS-SV-204C (VGB-2-4100 item 18, Class 2). The studs, nuts, and washers were replaced due to galled threads found during scheduled safety valve testing. The VT-2 exam was performed after the outage.
- BE) 90-B061 Replaced 12 studs, 24 nuts, and 24 washers on 6" main steam 3afety valve, 2-MS-SV-205A (VGB-2-4100 item 5, Class 2). The studs, nuts, and washers were replaced due to galled threads found during scheduled safety valve testing. The VT-2 exam was performed after the outage.
- BF) 90-B062 Replaced 12 studs, 24 nuts, and 24 washers on 6" main steam safety valve, 2-MS-SV-205B (VGB-2-4100 item 13, Class 2). The studs, nuts, and washers were replaced due to galled threads found during scheduled safety valve testing. The VT-2 exam was performed after the outage.
- BG) 90-B063 Replaced 12 studs, 24 nuts, and 24 washers on 6" main steam safety valve, 2-MS-SV-205C (VGB-2-4100 item 21, Class 2). The studs, nuts, and washers were replaced due to damaged found during scheduled safety valve testing. The VT-2 exam was performed after the outage.
- BK) 90-B067 Replaced 14 studs and 28 nuts on 3" main steam valve, 2-MS-95 (Class 2). The studs and nuts were replaced as a good maintenance practice. Steam cuts were repaired under program 90-225. The VT-2 exam was performed after the outage.
- BL) 91-B035 Replaced 1 stud and 2 nuts on support CH-SH-5 on 12050-WMKS-111AB. The bolting program was completed after the work was done (DR-91-0090). The deficiency will be resolved and the solution implemented prior to the end of the next refueling outage.

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- BM) 91-B036 Replaced 1 stud and 2 nuts on support RC-SH-1 on 12050-WMKS-103BA. The bolting program was completed after the work was done (DR-91-0090). The deficiency will be resolved and the solution implemented prior to the end of the next refueling outage.

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#### Snubber Replacements

The following lists the number of snubbers replaced in each system and the reason they were replaced. A total of 72 snubbers were replaced as part of the Tech. Spec. functional test program. A total of 4 snubbers were replaced and tested since they had failed the functional test during the last refueling outage. A total of 120 snubbers were replaced due to seal life expiring prior to the next scheduled refueling outage. A total of 10 snubbers were replaced per engineering request to resolve various visual anomalies. The associated NIS-2 Forms are included as Attachment III.

	Functio	nal		
	Test	Previous	Seal	Engineering
System	Group	Failure	Life	Request
Aux. Feedwater	1	0	0	0
Blowdown	2	1	4	1
Chemical & Volume	5	0	10	1
Control				
Component Cooling	2	0	3	0
Feedwater	6	0	10	0
Main Steam	14	0	3.8	1
Quench Spray	2	0	1	1
Reactor Coolant	26	3	30	4
Residual Heat	5	0	10	0
Removal				
Recirc. Spray	1	0	2	0
Safety Injection	8	0	11	2
Service Water	0	0	2	0
	72	4	120	10

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#### Design Changes

Design changes and engineering work requests completed during this inservice inspection period were performed in accordance with Section XI of the ASME Boiler & Pressure Vessel Code, 1980 Edition thru Winter 1981 Addenda, and 1983 Edition thru Summer 1983 Addenda.

The following paragraphs and the attached NIS-2 Forms (Attachment III, pages 133 thru 135) represent those design changes or engineering work requests performed on Class 1 or 2 systems.

- A) DCP 89-47-2 rotated the root isolation valves (2-CH-84 and 2-CH-86) to the volume control tank (VCT) level transmitters, (LT-2112 and T-2115) 90 degrees (Class 2). Installed 2 inch couplings on lines 2"-CH-897-153A-Q3 and 2"-CH-900-153A-Q3 to rotate valves. Replaced fasteners and associated flanges. The rotation will allow condensate from the sensing lines to drain back to the VCT vapor space.
- B) DCP 89-50 added an independent ultrasonic level indication on the "B" reactor coolant hot leg (Class 1). The hot leg was machined to provide a flat spot for installing the transducer. The modification will provide an additional independent level indication to protect against loss of Residual Heat Removal due to air entrapment during RCS drain down conditions. The liquid penetrant exam report did not state the batch number of the penetrant used (DR 90-1605). Although traceability of the penetrant material has been lost, procedures in place at North Anna assured that the material was certified.

#### Procedural Nonconformance

A) A liquid penetrant exam was performed on a welded support on the pressurizer spray line (VGB-1-4501 weld WS-2 - Class 1) above the temperature range of the procedure. The procedure was later qualified for the nigher temperature range and the exam was determined to be acceptable.

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#### Resolution of previous Interval 1 NIS-1 commitments

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

 Letter Serial No. 89-360 page 9 of 39, Repairs and Replacements, item Q (RR89-060):

A commitment was made to perform an inservice leak test on 2-FW-134 during normal operation (DR 89-1205). This valve was within the test boundary of hydrostatic test 2-MS-3. The test was performed during the 1990 refueling outage. The VT-2 examination of the valve was acceptable.

2. Letter Serial No. 89-360, page 10 of 39, Repairs and Replacements, item Y (RR89-111):

A commitment was made to investigate material supplied by Pressure Vessel Nuclear to determine if it met the requirements of ASME Section III, Class 2 (DR 89-1492). Material was used in the fabrication of 7-CC-276. The investigation concluded that the material met the code requirements.

 Letter Serial No. 89-360 page 11 of 39, Repairs and Replacements, item Z(RR89-115), AA(RR89-116), AB(RR89-117), AB(RR89-118), AC(RR89-119) AD(RR89-120), and AD(RR89-121):

A commitment was made to perform a hydrostatic test on 2-MS-SV-201A, 201B, 201C, 202A, 203B, 204C and 205C to satisfy the Code required hydrostatic test (DR-89-1394). The tests were performed and the valves were found to be acceptable.

ATTACHMENT I Page 27 of 53

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

As required by the Provisions of the ASME Code Rules

1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060

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4. Letter Carial No. 89-360, page 13 of 39, Repairs and Replacements, item AN (RR89-B011):

A commitment was made to perform the Section XI Code required preservice examination (visual) on 2-MS-SV-201A in place during normal operation (DR 89-1176). The stude and nuts were replaced with acceptable material under Bolting Program 90-B049.

5. Letter Serial No. 89-360, page 16 of 39, Repairs and Replacements, item BG (RR89-B031):

A commitment was made to perform a sunface examination on studs which were replaced to satisfy the construction code requirement (DR 89-1260). The replacement studs were installed in the valve flange of 2-RC-SV-2551A. In lieu of performing the exam on the existing studs, the studs were replaced under Bolting Program 90-B042 with studs which had a preservice surface exam performed.

6. Letter Serial No. 89-360, page 17 of 39, Design Changes, item D (EWR-88-330):

A commitment was made to replace material supplied by Pressure Vessel Nuclear installed in high pressure safety injection system (DR 89-1309 and DR 89-1520). The material was replaced with certified material.

7. Letter Serial No. 89-360, page 19 of 39, Results, item K:

A commitment was made to reexamine and evaluate gouges between bolt holes 27 and 28 on the "B" manway on "A" steam generator, 1-RC-E-1A (DR 89-1553). The area was reexamined by liquid penetrant and was found to be acceptable.

As required by the Provisions of the ASME Code Rules

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Gien Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80
- 6. National Board Number for Unit N/A

#### Hydrostatic Pressure Tests

The ASME Section XI required 10-year hydrostatic/pneumatic pressure tests were performed in accordance with Section XI, 1977 Edition, Summer 1979 Addenda, on the following systems. The tests performed were partial system tests and are identified below. The tests listed below complete the required ASME Section XI 10-year hydrostatic/pneumatic tests for the first inspection interval for North Anna Unit 2.

#### CLASS/TEST BLOCK DESCRIPTION

State of A. State School	W15 W. R.	4	TO W. AN	モノテタヤー がっかい	23.7
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2-BD-1	"A"	S/G	BLOWDOV	PEN.	39
2-BD-2	"B"	S/G	BLOWDO'.N,	PEN.	41
2-BD-3	"0"	S/G	BLOWDOWN,	PEN.	40

#### SYSTEM : COMPRESSED AIR

2-CA-1A	INSTRUMENT AIR SUPPLY HEADER PENETRATION, PEN. 47
2-CA-2	RAD MONITOR PUMP SUPPLY HEADER PENETRATION, PEN. 44
2-CA-3A	RAD MONITOR PUMP RETURN HEADER PENETRATION, PEN. 43
2-CA-11	U2 RC TO ANALYZERS, PEN. 98
2-CA-12	POST DBA RECOMBINER RETURN TO U2 RC, PEN.31
2-CA-13	U2 RC TO ANALYZERS, PEN.105

As required by the Provisions of the ASME Cade Rules

- 1. Owner Virginia Electric and Fower Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
- 2 Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80
- 6. National Board Number for Unit N/A

2-CA-14 POST DBA RECOMBINER RETURN TO U2 RC, PEN.109

During the test unimpaired flow could not be verified through 2-HC-TV-203A. The flow was reversed through 2-HC-TV-203A, the obstruction was cleared and unimpaired flow was verified by retest 2-CA-14A.

2-CA-15 U2 RC SUPPLY TO AIR SAMPLE PANEL, PEN. 98

SYSTEM : COMPONENT COOLING

2-CC-24	COMMON THERMAL BARRIER RETURN
3-CC-63	CC SUPPLY TO 2-RC-P-1C
3-CC-64	2-BD-E-1 (S/G BLOWDOWN VENT CONDENSER)
3-CC-70	CC RETURN FROM 2-RC-P-1B AND 2-RC-P-1C
3-CC-71	CC SUPPLY/RETURN FOR NEUTRON SHIELD TANK COOLERS

SYSTEM : CHEMICAL FEED

2-CF-1 "A", "B", "C" S/G CHEMICAL FEED, PEN. 111

### NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. Dox 402, Mineral, Virginia, 23)17
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12:14:80
- 6. National Board Number for Unit N/A

#### SYSTEM : CHARGING SYSTEM

3-CH-8	BIT TO BAST CONNECTION
	During the test 1-CH-106 was found to have a diaphragm leak. The diaphragm was replaced (WR 652857) and the system was retested satisfactorily.
2-CH-13A	SEAL WATER INJECTION FILTERS
2-CH-24	SEAL WATER HEAT EXCHANGER
2-CH-25	LETDOWN TO NONREGENERATIVE HX.
	During the test the bottom flange of 2-CH- E-2 was found to be leaking. The flange studs were retorqued (WR 733752). The flange was reexamined and an inservice leak test was satisfactorily performed.
2-CH-26	LP LETDOWN-DEMIN. HEADER
2-CH-34	EXCESS LETDOWN TO RCP SEALWATER RETURN
3-CH-06	NORMAL CH SUCTION HEADER, BLENDER, AND BORIC ACID FILTER
	During the test 1-CH-145 and 2-CH-156 was found to be leaking. The diaphragms in each valve were replaced (1-CH-145 WR 465463 and 2-CH-156 WR 465162). The valves were reexamined and an inservice leak test was satisfactorily performed.
2-CH-41	RCP SEAL INJECTION RETURN, PEN. 19
3-CH-50	CH/RH/SI/RP RETURNS TO RWST

As required by the Provisions of the ASME Code Rules

1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060

2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117

3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80

6. National Board Number for Unit N/A

2-CH-51 EXCESS LETDOWN HT.EX.

During the test 2-CH-HCV-2201 was found to be leaking by, the head gasket of 2-CH-E-4 was leaking, and boric acid build up was noted on the flange of 2-CH-346 and on 2-CH-HCV-2201. The seat ring, seat gasket, and packing were replaced on 2-CH-HCV-2201 (WO 091132). The valve was examined and determined to be acceptable. The flange studs of 2-CH-346 were removed, cleaned, examined, and determined be acceptable (WR 733558). The studs of 2-CH-E-4 were retorqued and reexamined and determined to be acceptable (WR 733559).

2-CH-53 LETDOWN TO HCV 2200 A, B, C

2-CH-55 CHARGING PUMP RECIRC. HEADER

SYSTEM : CONTAINMENT VACUUM

2-CV-1 "B" CONTAINMENT VACUUM PUMP SUCTION PENETRATION, PEN. 92

2-CV-2 "A" CONTAINMENT VACUUM PUMP SUCTION PENETRATION, PEN. 93

2-CV-3 CONTAINMENT VACUUM EJECTOR, PIN. 94

SYSTEM : VENT AND DRAIN

2-DA-1 CONTAINMENT SUMP PUMP SUCTION PENETRATION, PEN. 38

2-DA-2 POST ACCIDENT SAMPLE SYSTEM TO SUMP, PEN.

2-DA-3 2-DA-TK-1 TO GASEOUS WASTE, PEN. 54

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

As required by the Provisions of the ASME Code Rules

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Gien Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80
- 6. National Board Number for Unit N/A

2-CA-14 POST DBA RECOMBINER RETURN TO U2 RC, PEN.109

During the test unimpaired flow could not be verified through 2-HC-TV-203A. The flow was reversed through 2-HC-TV-203A, the obstruction was cleared and unimpaired flow was verified by retest 2-CA-14A.

2-CA-15 U2 RC SUPPLY TO AIR SAMPLE PANEL, PEN. 98

SYSTEM : COMPONENT COOLING

2-CC-24 COMMON THERMAL BARRIER RETURN

3-CC-63 CC SUPPLY TO 2-RC-P-1C

3-CC-64 2-BD-E-1 (S/G BLOWDOWN VENT CONDENSER)

3-CC-70 CC RETURN FROM 2-RC-P-1B AND 2-RC-P-1C

3-CC-71 CC SUPPLY/RETURN FOR NEUTRON SHIELD TANK
COOLERS

SYSTEM : CHEMICAL FEED

2-CF-1 "A", "B", "C" S/G CHEMICAL FEED, PEN. 111

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

As required by the Provisions of the ASME Code Rules

Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
 Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117

3-CH-50

3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80

6. National Board Number for Unit N/A

SYSTEM : CHARGING SYSTEM

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3-CH-8	BIT TO BAST CONNECTION
	During the test 1-CH-106 was found to have a diaphragm leak. The diaphragm was replaced (WR 652857) and the system was retested satisfactorily.
2-CH-13A	SEAL WATER INJECTION FILTERS
2-CH-24	SEAL WATER HEAT EXCHANGER
2-CH-25	LETDOWN TO NONREGENERATIVE HX.
	During the test the bottom flange of 2-CH-E-2 was found to be leaking. The flange studs were retorqued (WR 733752). The flange was reexamined and an inservice leak test was satisfactorily performed.
2-CH-26	LP LETDOWN-DEMIN. HEADER
2-CH-34	EXCESS LETDOWN TO RCP SEALWATER RETURN
3-CH-36	NORMAL CH SUCTION HEADER, BLENDER, AND BORIC ACID FILTER
	During the test 1-CH-145 and 2-CH-156 was found to be leaking. The diaphragms in each valve were replaced (1-CH-145 WR 465463 and 2-CH-156 WR 465162). The valves were reexamined and an inservice leak test was satisfactorily performed.
2-CH-41	RCP SEAL INJECTION RETURN, PEN. 19

CH/RH/SI/RP RETURNS TO RWST

As required by the Provisions of the ASME Code Rules

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 231)?
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80
- 6. National Board Number for Unit N/A

2-CH-51 EXCESS LETDOWN HT.EX.

During the test 2-CH-HCV-2201 was found to be leaking by, the head casket of 2-CH-E-4 was leaking, and boric acid build up was noted on the flange of 2-CH-346 and on 2-CH-HCV-2201. The seat ring, seat gasket, and packing were replaced on 2-CH-HCV-2201 (WO 091132). The valve was examined and determined to be acceptable. The flange studs of 2-CH-346 were removed, cleaned, examined, and determined be acceptable (WR 733558). The studs of 2-CH-E-4 were retorqued and reexamined and determined to be acceptable (WR 733559).

2-CH-53 LETDOWN TO HCV 2200 A, B, C

2-CH-55 CHARGING PUMP RECIRC. HEADER

SYSTEM : CONTAINMENT VACUUM

2-CV-1 "B" CONTAINMENT VACUUM PUMP SUCTION PENETRATION, PEN. 92

2-CV-2 "A" CONTAINMENT VACUUM PUMP SUCTION PENETRATION, PEN. 93

2-CV-3 CONTAINMENT VACUUM EJECTOR, PEN. 94

#### SYSTEM : VENT AND DRAIN

2-DA-1 CONTAINMENT SUMP PUMP SUCTION PENETRATION, PEN. 38

2-DA-2 POST ACCIDENT SAMPLE SYSTEM TO SUMP, PEN.

2-DA-3 2-DA-TK-1 TO GASEOUS WASTE, PEN. 54

As required by the Provisions of the ASME Code Rules

1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060

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6. National Board Number for Unit N/A

SYSTEM : GASEOUS DRAINS

2-DG-1 PDTT TO GAS STRIPPER, PEN. 33

SYSTEM : FIRE PROTECTION

2-FP-1 FIRE PROTECTION SUPPLY, PEN. 34

SYSTEM : FEEDWATER

3-FW-1 AUX. FEEDWATER SUCTION FORM THE EMERGENCY

CONDENSATE STORAGE TANK

3-FW-2 AUX. FEEDWATER PUMPS SUCTION, RECIRC., AND

DISCHARGE LINES

3-FW-3 AUX. FEEDWATER PUMP DISCHARGE HEADERS

During the test 2-FW-PI-255A was found to

have a fitting leak. The fitting was

disassembled, cleaned, and reassembled (WR

733979).

SYSTEM : CONTAINMENT PURGE AND EXHAUST

2-HV-1 PURGE SUPPLY, PEN. 91

2-HV-2 PURGE EXHAUST, PEN. 90

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

As required by the Provisions of the ASME Code Rules

1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060

2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117

3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80

6. National Board Number for Unit N/A

SYSTEM : LEAKAGE MONITORING

2-LM-1

LEAKAGE MONITORING SYSTEM, PEN. 55, 57,

97, AND 105

SYSTEM : MAIN STEAM

2-MS-1

2-RC-E-1A

During the test 2-MS-FT-2474 and the upper manway were leaking and packing leaks were noted on 2-MS-4, 2-MS-5, 2-MS-6, 2-MS-7, 2-FW-62. The manway bolts were tightened, and the packing was replaced on 2-MS-4, 2-MS-5, 2-MS-6, 2-MS-7. A portion of this piping was isolated during the test. This section was tested under 2-MS-4.

2-MS-2

2-RC-E-1B

A portion of this piping was isolated during the test. This section was tested under 2-MS-4.

2-MS-3

2-RC-E-1C

During the test the upper manway was found to be leaking and packing leaks were noted on 2-MS-94 and 2-MS-95. The manway bolts were tightened. A portion of this piping was isolated during the test. This section was tested under 2-MS-4.

As required by the Provisions of the ASME Code Rules

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
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2-MS-4 STEAM SUPPLY TO 2-FW-P-2

During the test 2-MS-FT-207 and 2-MS-TV-209 were noted to have a body to bonnet leak. The flange gasket was replaced in each valve (WR 733563 2-MS-FT-207 and WO 265618 2-MS-TV-209), the valves were reexamined and determined to be acceptable.

REFUELING WATER STORAGE TANK, 2-08-TK-1

SYSTEM : QUENCH SPRAY

2-05-1

5-59-1	REPUELLING WATER STORAGE TANK, 2-Q5-TK-1
2-QS-2	2-QS-P-1A
2-QS-3	2-QS-TK-2 TO RWST (TRAIN 1 AND TRAIN 2)
2-QS-5	2-QS-P-1B
2-QS-6	CONTAINMENT SPRAY NOZZLES
	A VT-2 report was not completed. Performance of periodic test 2-PT-63.3 satisfies the exam requirements of Section XI but not the reporting requirements.
2-QS-6A	QUENCH SPRAY TO INSIDE RECIRC SPRAY SUMP
2-QS-7	CONTAINMENT SPRAY NOZZLES
	A VT-2 report was not completed. Performance of periodic test 2-PT-63.3 satisfies the exam requirements of Section XI but not the reporting requirements.
2-QS-7A	QUENCH SPRAY TO INSIDE RECIRC SPRAY SUMP
2-QS-8	QUENCH SPRAY PUMP RECIRC HEADER

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6 National Board Number for Unit N/A

SYSTEM : REACTOR COOLANT

1-RC-2 RCS VENTS/DRAINS, RCP SEALENTS/DRAINS

1-RC-5 PZR SAFETIES LOOP SEAL DRAIN HEADER

1-RC-6 REACTOR VESSEL HEAD VENT

1-RC-7 PZR VENT

SYSTEM : RESIDUAL HEAT REMOVAL

1/2-RH-2 RHR PUMP SUCTION

This test was performed during startup after the official end of the outage.

SYSTEM : REFUELING PURIFICATION

2-RP-3 RP SUPPLY, PEN. 103

2-RP-4 RP RETURN, PEN. 104

SYSTEM : RECIRCULATION SPRAY

2-RS-9 2-RS-P-1A

2-RS-10 2-RS-P-1B

2-RS-11 CONTAINMENT RS SPRAY NOZZLES

A VT-2 report was not completed.
Performance of periodic test 2-PT-63.3
satisfies the exam requirements of Section
XI but not the reporting requirements.

As required by the Provisions of the ASME Code Rules

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2-RS-12	2-RS-P-2A
2-RS-13	2-RS-P-2B
2-RS-14	RS SUPPLY TO 2-RS-E-1C, PEN. 70
2-RS-15	RS SUPPLY TO 2-RS-E-1D, PEN. 71
2-RS-16	CONTA MENT RS SPRAY NOZZLES
	A VT-2 report was not completed. Performance of periodic test 2-PT-63.3 satisfies the xam requirements of Section XI but not the reporting requirements.
3-RS-17	CASING COOLING TANK, 2-RS-TK-1
3-RS-18	2-RS-P-3A
3-RS-19	2-RS-P-3B
2/3-RS-20	2-RS-P-3A DISCHARGE
2/3-RS- 1	2-RS-P-3B DISCHARGE
2-RS-24	RS SUMP TO OUTSIDE RS PUMP SUCTION

SYSTEM : SAFETY INJECTION

2-SI-1A 2-SI-TK-1A

During the test the packing of 2-SI-HCV-2853A was found to be leaking. The packing was replaced (WR 488165), the valve was reexamined, and an inservice leak test was satisfactorily performed.

2-SI-1B 2-SI-TK-1B

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

As required by the Provisions of the ASME Code Rules

1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Gien Allen, Virginia, 23060

2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117

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6. National Board Number for Unit N/A

2-SI-1C

2-SI-TK-1C

During the test, packing leaks were noted on 2-SI-271, 2-SI-276, and 2-SI-HCV-2853C. Flange leaks and boric acid accumulation were noted on 2-SI-LT-2928 and 2-SI-LT-2930. 2-SI-270 was found to be leaking The manway gasket was also leaking. The packing was replaced on 2-SI-271 (WR 628295), 2-SI-276 (WR 265616), and 2-SI-HCV-2853C (WR 265617). The flange studs and nuts were removed from 2-SI-LT-2928 (WR 488166) and 2-SI-LT-2930 (WR 488167), the studs and nuts were cleaned, reexamined, and reinstalled with a new gasket. The valve was rebuilt, seating surface was checked, and packing replaced on 2-SI-270 (WR 628294). The manway gasket was replaced, the studs retorqued (WR 628213), and reexamined and determined to be acceptable. An acceptable inservice leak test was performed after repairing all leaks.

2-SI-20

CONTAINMENT NITROGEN VENT TO WASTE GAS CHARCOAL FILTERS, PEN. 50

2-SI-21

NITROGEN SUPPLY TO ACCUMULATORS, PORVs and PRT, PEN. 53

During the test, the body to bonnet gasket was leaking on 2-SI-132. Test boundary valved 2-SI-132 was replaced per EWR-87-71 (less than 1 inch NPS - no Replacement Program required). An acceptable inservice leak test was performed after the replacement of 2-SI-132.

2-SI-24

INSIDE RS SUMP TO LOW HEAD SI PUMPS

2-SI-30

ACCUMULATOR MAKEUP LINE

As required by the Provisions of the ASME Code Rules

1. Ow., er Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060

2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117

3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80

6. National Board Number for Unit N/A

SYSTEM : SAMPLING SYSTEM

2-SS-1 STEAM GENERATOR SURFACE SAMPLE

SYSTEM : SERVICE WATER

3-SW-2 2-SW-P-4 3-SW-3 2-SW-P-1A 3-SW-4 2-SW-P-1B 3-SW-5 "A" SUPPLY/RETURN SW HEADER 3-SW-6 "B" SUPPLY/RETURN SW HEADER 3-SW-9 2-CC-E-1A SUPPLY/RETURN HEADERS During the test the bottom manway flange was leaking. The flange was tightened under maintenance procedure 0-MCM-0801-01. An acceptable inservice leak test was performed after the repair. 3-SW-10 2-CC-E-1B SUPPLY/RETURN HEADERS

During the test, the top flange gasket was found to be leaking. A new gasket was installed (WR 114679). The connection was reexamined and found to be acceptable.

3-SW-20 RSHX RETURN HEADERS
3-SW-25 2-RS-E-1A
3-SW-26 2-RS-E-1B
3-SW-27 2-RS-E-1C

3-SW-28

2-RS-E-1D

As required by the Provisions of the ASME Code Rules

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, F.D. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80

6. National Board Number for Unit N/A

SYSTEM : GASEOUS VENTS

2-VG-1

PDTT TO WASTE GAS, PEN. 48

SYSTEM : VACUUM PRIMING

2-VP-1

PENETRATION 89

SYSTEM : WATER TREATMENT

2-WT-1

2-RC-E-1A WET LAY UP CHEMICAL

FEED, PEN. 32

2-WT-2

2-RC-E-18 WET LAY UP CHEMICAL FEED, PEN.

100

2-WT-3

2-RC-E-1C WET LAY UP CHEMICAL FEED, PEN.

108

# NIS. OWNER'S REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80
- 6 National Board Number for Unit N/A

#### ABSTRACT OF INTERVAL 1 EXAMINATIONS

#### Class 1

CATEGORY	ITEM NO	ISOMETRIC	ITEM	EXAM
B-A	B1.1	VGB-1-1100	RPV WELD 02	UT
B-A	B1.1	VGB-1-1100	RPV WELD 03	UT
B-B	B1.2	VGB-1-1100	RPV HEAD 04	UT
B-B	B1.2	VGB-1-1100	RPV WELD 05	UT
B-B	B1.2	VGB-1-1100	RPV WELD 06	UT
B-B	B1.2	VGB-1-1100	RPV WELD 07	UT
B-B	B1.2	VGB-1-1100	RPV WELD 08	UT
B-C	B1.3	VGB-1-1100	RPV WELD 01	UT
B-D	B1.4	VGB-1-1100A	RPV/NOZZ WELD 09	UT
B-D	B1.4	****		UT
B-D	B1.4	VGB-1-1100A	RPV/NOZZ WELD 11	UT
B-D	B1.4	VGB-1-1100A	RPV/NOZZ 11NIR	UT
B-D	B1.4	VGb-1-1100A	RPV/NOZZ 09NIR RPV/NOZZ WELD 11 RPV/NOZZ 11NIR RPV/NOZZ WELD 13 RPV/NOZZ 13NIR	UT
B-D	B1.4	VGB-1-1100A	RPV/NOZZ WELD 13 RPV/NOZZ 13NIR	UT
B-G-1	B1.9	VGB-1- 1100A	LIG 13	UT
B-G-1	B1.9	VGB-1- 1100A	LIG 14	UT
B-G-1		VGB-1- 1100A		UT
B-G-1		VGB-1- 1100A		UT
B-G-1	B1.9	VGB-1- 1100A		UT
B-G-1	B1.9	VGB-1- 1100A		UT
B-G-1	B1.9	VGB-1-1100A	LIG 19	UT
B-G-1	B1.9	VGB-1-1100A	LIG 20	UT
B-G-1	B1.9	VGB-1-1100A	LIG 21	UT
B-G-1	B1.9	VGB-1-1100A	LIG 22	UT
B-G-1	B1.9	VGB-1-1100A	LIG 23	UT
B-G-1	B1.9	VGB-1-1100A	LIG 33	UT
B-G-1	B1.9	VGB-1-1100A	LIG 34	UT
B-G-1		VGB-1-1100A		UT
B-G-1		VGB-1-1100A		UT
B-G-1		VGB-1-1100A		UT
B-G-1	B1.9	VGB-1-1100A		UT
B-G-1	B1.9	VGB-1-1100A	LIG 39	UT
B-G-1	B1.9	VGB-1-1100A	LIG 52	UT
B-G-1	B1.9	VGB-1-1100A	LIG 53	UT
B-G-1	B1.9	VGB-1-1100A		UT
B-G-1	B1.9	VGB-1-1100A		UT
B-G-1	B1.9	VGB-1-1100A	LIG 56	UT
B-N-1			01 RX INTERNALS	VT+

- 1. Owner Virgin's Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12:14-80
- 6. National Board Number for Unit N/A

CATEGORY	ITEM NO	ISOMETRIC	ITEM	EXAM
B-N-3	BI.17	VGB-1-1200	02 REMOVABLE CORE SUPPT. STRUCT.	VT
B-0	B1.18	VGB-1-1300		UT
B-B	B2.1	VGB-1-2100	PZR WELD 01	UT
			15"THRU 20"	
B-B	B2.1	VGB-1-2100	PZR WELD 02	UT
			15" THRU 20"	
B-B	B2.1	VGB-1-2100	PZR WELD 03	UT*
			15" THRU 20"	
B-B	B2.1	VGB-1-2100	PZR WELD 04	UT*
			15" THRU 20"	
B-B	B2.1	VGB-1-2100	PZR WELD 05	UT
			15" THRU 20"	
B-B	B2.1	VGB-1-2100	PZR WELD 06	UT
			15" THRU 20"	
B-B	B2.1	VGB-1-2100	PZR WELD 07	UT
			0" THRU 20"	
В-Н	B2.8	VGB-1-2100	PER SUPT SKRT	
			WELD 08	UT
			15" THRU 30"	
B-D	B2.2	VGB-1-2100	PZR/NOZZ WELD 13	UT*
B-G-2	B2.11	VGB-1-2100	PZR MNWY BLTS	
			B11 THRU B16	VT
B-B	B3.1	VGB-1-3100	SG 3 WELD 3-01	
			320" THRU 327"	UT
B-D	B3.2	VGB-1-3100	SG/NOZZ 3ANIR	VT
B-D	B3.2	VGB-1-3100	SG/NOZZ 3BNIR	VT
B-G-2	B.3.10	VGB-1-3100		VT
B-G-2		VGB-1-3100		VT
B-J	B4.5	VGB-1-4106		UT
B-J	B4.5	VGB-1-4106		UT
B-J	B4.5			UT
B-J		VGB-1-4201		UT
B-F	B1.6	VGB-1-4300	RV NOZ/SE	UT*
			WELD 16DM	PT
B-F	B3.3	VGB-1-4300	HX NOZ/SE	UT*
			WELD C4DM	PT
B-F	B3.3	VGB-1-4300	HX NOZ/SE	UT*
			WELD 05DM	PT
B-F	B4.1	VGB-1-4300	SE/PIPE	UT
	MININE LEAD		WELD 04DM	PT

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80
- 6. National Board Number for Unit N/A

CATEGORY	ITEM NO	ISOMETRIC	ITEM	EXAM
B-F	B4.1	VGB-1-4300	SE/PIPE	UT
			WELD 05DM	PT
B-F	B4.1	VGB-1-4300	SE/PIPE	UT*
			WELD 16DM	PT
B-J	B4.5	VGB-1-4300	RC PIPE WELD 10	UT*
B-J	B4.5	VGB-1-4300	RC PIPE WELD 13	UT*
B-J	B4.7	VGB-1-4300	RC PIPE WELD 25BC	PT**
B-J	B4.7	VGB-1-4300	RC PIPE WELD 26BC	PT
B-J	B4.8	VGB-1-4306	SI SOC. WELD 40	PT
B-J	B4.5	VGB-1-4307	RC PIPE WELD 15	UT
B-J	B4.5	VGB-1-4307	RC PIPE WELD 16	UT
B-J	B4.5	VGB-1-4307	RC PIPE WELD 17	UT
B-J	B4.5	VGB-1-4307	RC PIPE WELD 18	UT
B-J	B4.5	VGB-1-4308	RC PIPE WELD 20	UT
B-J	B4.8	VGB-1-4308	RC SOC. WELD 14	PT
B-J	B4.8	VGB-1-4308	RC SOC. WELD 15	PT
B-J	B4.8	VGB-1-4308	RC SOC. WELD 16	PT
B-J	B4.8	VGB-1-4308	RC SOC. WELD 17	PT
B-J	B4.8	VGB-1-4310	RC SOC. WELD 13	PT
B-J	B4.8	VGB-1-4310	RC SOC. WELD 14	PT
B-J	B4.8	VGB-1-4310	RC SOC WELD 15	PT
B-J	B4.5	VGB-1-4311	RC PIPE WELD 11	UT
B-J	B4.5	VGB-1-4311	RC PIPE WELD 18	UT
B~J	B4.5	VGB-1-4311	RC PIPE WELD 19	UT
B-J	B4.5	VGB-1-4311		UT
B-J	B4.8	VGB-1-4312		PT
B-J	B4.8	VGB-1-4312		PT
B-J	B4.8	VGB-1-4312		PT
B-J	B4.8	VGB-1-4313		PT
B-J	B4.8	VGB-1-4313		PT
B-J	B4.8	VGB-1-4313	RC SOC. WELD 38	PT
B-J	B4.8	VGB-1 4313		PT
B-J	B4.8	VGB-1-4313		PT
B-J	B4.8	VGB-1-4313	가는 10 보고 있는 사람들이 보고 있는 그 이 없는 10 보고 있습니다. 이 사람들이 얼마를 되었다.	PT
B-J	B4.8	VGB-1-4313	RC SOC. WELD 44	PT
B-J	B4.8	VGB-1-4313	RC SOC. WELD 45	PT
B-J	B4.8	VGB-1-4313	RC SOC. WELD 46	PT
B-J	B4.8	VGB-1-4313	RC SOC. WELD 47	PT
B-J	B4.8	VGB-1-4314	C/V SOC WELD 67	PT
B-J	B4.8	VGB-1-4314	C/V SOC WELD 70	PT
B-J	B4.8	VGB-1-4314	C/V SOC WELD 71	PT

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80
- 6. National Board Number for Unit N/A

CATEGORY	TTEM NO	ISOMETRIC	ITEM	EXAM
BJ	B4.8	VGB-1-4314	C/V SOC WELD 72	PT
B-J	B4.8	VCR-1-4314	C/V SOC WELD 73	PT
B-J	B4.8	VGB-1-4314	C/V SOC WELD /4	PT
B-J	154.8	VGB=1=4314	C/V SOC WELD 75	PT
B-F	B2.4	VGB-1-4500	PZR NOZ/SE	UT*
				PT
B-F	B4.1	VGB-1-4500	RC SE/PIPE	UT
			WELD 11	PT
B-F	B4.1	VGB-1-4500	RC SE/ PIPE	UT
			WELD 20	PT
B-F	B4.1	VGB-1-4501	RC SE/PIPE	UT
			WELD 28	PT
B-K-1	B4.9	VGB-1-4501	PZR LINE	UT
			INTEGRAL WELDED	PT NC
			SUPPORT, WS-2	
		VGB-1-4600		UT
		VGB-1-4600		UT
B-G-2		VGB-1-4700		VT
B-G-2	B4.12	VGB-1-4700	C/V FLG BLT 14 8S-16N	VT
B-G-2	B4.12	VGB-1-4700 VGB-1-4700	C/V FLG BLT 15 4S-8N	VT
B-G-2	B4.12	VGB-1-4700	C/V FLG BLT 16 12S-24N	VT
B-G-2	B4.12	VGB-1-4700	C/V FLG BLT 17 12S-24N	VT**B
B-G-2		VGB-1-4700		VT (PSI)
B-G-2	B4.12	VGB-1-4700	C/V FLG BLT 18 12S-24N	VT**C
B-G-2	B4.12	VGB-1-4700	C/V FLG BLT 18 1S RR90-B044	VT (PSI)
B-G-1	B5.1	VGB-1-5100A	2-RC-P-1A	UT
			RCP FLG BLT 1-24	
B-G-1	B5.3	VGB-1-5100A	2-RC-P-1A	VT
			RCP FLG BLT 1-24	
B-G-1	B5.1	VGB-1-5100A	2-RC-P-1C	UT
			RCP SH BLT 1-12	
B-G-1	B5.3	VGB-1-5100A	2-RC-P-1C	VT**D
			RCP SH BLT 1-12	
B-G-1	B5.1	VGB-1-5100A	2-RC-P-1C	UT (PSI)
			RCP SH BLT 2 RR90-B022	
B-G-1	B5.2	VGB-1-5100A		MT (PSI)
			RCP SH BLT 2 RR90-B022	
B-G-1	B5.3	VGB-1-5100A		VT (PSI)
			RCP SH BLT 2 RR90-B022	

# NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P. J. Box 402, Mineral, Virginia, 23117
- 3. \*lant Unit Unit 2 4. Owner Certifi ate of Authorization (if required) N/A 5. Commercial Service Pate 12-14-80
- 6. National Board Number for Unit NA

CATEGORY	ITEM NO	ISOMETRIC	ITEM	EXAM
B-L-1	B5.6	VGB-1-5100B	RCP CASING WELD	PT
			2-RC-P-1A	VT
			WELD 1-01	
B-L-1	B5.6	VGB-1-5100B	RCP CASING WELD	
			2-RC-P-1C	PT
			WELD 3-01	VT
B-G-1	B6.1	VGB-1-6100	ITEM 05 3-1 - 3-24	UT
			LSV FLG BLT	VT**E
			2-RC-MOV-2594	
B-G-1	B6.1	VGB-1-6100	ITEM 06 3-25 - 3-48	UT
			LSV FLG BLT	VT**F
			2-RC-MOV-2595	
B-M-2	B6.7	VGB-1-6200	ITEM 24	VT
			VB-2875F	
			2-SI-185	
B-M-2	B6.7	VGB-1-6200	ITEM 25	VT
			VB-2875C	
			2-SI-187	
B-G-2	B6.9	VGB-1-6300	ITEM 32 12S-24N	VT**C
			VBB-2505B	
B-G-2	B6.9	VGB-1-6300	ITEM 33 125-12N	VT**F
			VBB-2560B	
B-G-2	B6.9	VGB-1-6300	ITEM 34 85-8N	VT
			VBB-2557B	
B-G-2	B6.9	VGB-1-6300	ITEM 41 16S-32N	VT
		100 1 0000	VBB-2720B	V.
B-G-2	B6.9	VGB-1-6300	ITEM 42 4S-8N	VT
		100 1 0000	VBB-2587	V 1
B-G-2	B6.9	VGB-1-6300	ITEM 43 12S-12N	VT
	50.5	190 1 0000	VBB-2876B	A.1
B-G-2	B6.9	VGB-1-6300	ITEM 45 12S-12N	VT
5-0-2	50.5	AGD-T-0200	VBB-2876F	VI
B-G-2	B6.9	VGB-1-6300		1 70%
D-G-2	D0.9	AGD=T=0200	ITEM 47 12S-12N	VT
D-0-2	B6.9	1700-1-6200	VBB-2505C	****
B-G-2	00.9	VGB-1-6300	ITEM 48 12S-12N	VT
P-0-0	De o	V/00-1-6000	VBB-2560C	
B-G-2	B6.9	VGB-1-6300	ITEM 50 8S-8N	VT**
D 0 0	200	1100 1 0000	VBB-2557C	
B-G-2	B6.9	VGB-1-6300	ITEM 53 12S-12N	VT
			VBB-SV-2551B	

As required by the Provisions of the ASME Code Rules

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Bivd., Glen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80
- 6. National Board Number for Unit N/A

CATEGORY	ITEM NO	ISOMETRIC	ITEM	EXAM
B-G-2	B6.9	VGB-1-6300	ITEM 54 12S-12N	VT
			VBB-SV-2551C	
B-G-2	B6.9	VGB-1-6300	ITEM 61 8S-8N	VT
			VBB-2311	

\* - partial examination

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

\*\*\* - previous NIS-1 commitment

NC - Nonconformance (see nonconformance section for details)

(PSI) - Preservice Inspection PO - exam done post outage

RR - Relief Request

As required by the Provisions of the ASME Code Rules

- Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
   Piant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80
- 6. National Board Number for Unit N/A

### Class 2

CATEGORY	ITEM NO.	ISOMETRIC	ITEM	EXAM
C-A	C1.1	VGB-2-1100	2-RC-E-1C WELD 3-08 380" THRU 430"	UT
C-D	C1.4	VGB-2-1100	2-RC-E-1A MANWAY B LIG. 27-28	PT***
C-A	C1.1	VGB-2-1150	2-CH-E-3 REGEN HX WELD 05 20" THRU 21"	UT*
C-A	C1.1	VGB-2-1150	2-CH-E-3 REGEN HX WELD 06 20" THRU 21"	UT*
C-A	C1.1	VGB-2-1210	2-SI-TK-1A ACCUM TANK WELD 1-01 147" THRU 151"	UT
C-A	C1.1	VGB-2-1210	2-SI-TK-1A ACCUM TANK WELD 1-03 289" THRU 297"	UT*
C-A	C1.1	VGB-2-1210	2-SI-TK-1A ACCUM TANK WELD 1-04 147" THRU 151"	UT*
C-C	C1.3	VGB-2-1210	2-SI-TK-1A ACCUM TANK WELD 1-05 4" THRU 43" RR90-210	PT
c-c	C1.3	VGB-2-1210	2-SI-TK-1A ACCUM TANK WELD 1-05 284" THRU 333" RR90-210	PT
C-A	C1.1	VGB-2-1300	2-CH-FL-4A SW INJ FILTER WELD 1-02 22" THRU 23"	UT*
C-A	C1.1	VGB-2-1300	2-CH-FL-4B SW INJ FILTER WELD 2-01 22" THRU 23"	UT*
C-G	C2.3	VGB-2-2100	LP.1 RELIEF VLV FLG. WELD 42 RELIEF REQ 88-154	MT
C-G	C2.1	VGB-2-2301	FW PIPE WELD 05	UT
C-F	C2.1	VGB-2-2521	RHR PIPE WELD 34 18" THRU 19 1/2"	UT*
C-F	C2.2	VGB-2-2523	SI PIPE WELD 19LS	UT*
C-F	C2.1	VGB-2-2525	SI PIPE WELD 4	UT* ** PT*
C-F	C2.1	VGB-2-2526	SI PIPE WELD 17	UT*
C-F	C2.1	VGB-2-2526	SI PIPE WELD 44	UT*

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80
- 6. National Board Number for Unit N/A

CATEGORY	ITEM NO.	ISOMETRIC	ITEM	EXAM
C-F	C2.1	VGB-2-2533	SI PIPE WELD 20	UT*
			0" - 10.5"	
C-F	C2.1	VGB-2-2533	SI PIPE WELD 21 RR90-203	UT*
C-F	C2.1	VGB-2-2533	SI PIPE WELD 22 RR90-138	UT*
				PT
C-F	C2.1	VGB-2-2534	SI PIPE WELD 14	UT*
C-F	C2.1	VGB-2 2534	SI PIPE WELD 15	UT
C-F	C2.1	VGB-2-2534	SI PIPE WELD 16	UT
C-F	C2.1	VGB-2-2534	SI PIPE WELD 17 RR90-139	UT
C-F	C2.1	VGD-2-2540	CH PIPE WELD 40	UT
C-F	C2.1	VGB-2-2541	CH PIPE WELD 35	UT
C-F	C2.1	VGB-2-2542	CH PIPE WELD 34	UT
C-F	C2.1	VGB-2-2548	BIT WELD 2	UT
C-F	C2.1	VGB-2-2548	BIT WELD 5	UT
C-D	C2.4	VGB-2-2600	FLG BLT ITEM 05	UT
			VGB-2-2510 FLANGE 1	
			4 STUDS	
C-D	C2.4	VGB-2-2600		VT
			VGB-2-2510 FLANGE 1	
			20S-40N	
C-D	C2.4	VGB-2-2600	FLG BLT ITEM 10	UT
			2-MS-SV-205A FLANGE	
			12 STUDS	
C-D	C2.4	VGB-2-2600		VT
			2-MS-SV-205A FLANGE	
			12S-24N	
C-D	C2.4	V6 2-2600	FLG BLT ITEM 10	VT PO
			2-MS-SV-205A FLANGE	
			24W	
C-G	C6.10	VGB-2-3130	LO HD SI PMP	PT*
			2-SI-P-1A	
			WELD 4 RLF RQ. 89-405	
C-G	C6.10	VGB-2-3130	LO HD SI PMP	PT*
			2-SI-P-1A	
			WELD 5 RLF RQ. 89-405	
C-G	C6.10	VGB-2-3130	LO HD SI PMP	PT*
			2-SI-P-1A	***
			METO TO-4	
C-G	C6.10	VGB-2-3130	LO HD SI PMP	PT*
			2-SI-P-1A	* * "
			WELD LS-5	

### NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. isc: 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80
- 6. National Board Number for Unit N/A

CATEGORY	ITEM NO.	ISOMETRIC	ITEM	EXAM
C-D	C2.4	VGB-2-4100	FLG BLT ITEM 17 VLV MS 201 C 2 STUDS	UT
C-D	C2.4	VGB-2-4100	FLG BLT ITEM 29 VLV 2890C 8 STUDS	UT
C-D	C2.4	VGB-2 4100	FLG BLT ITEM 30 VLV 2890D 8 STUDS	UT
C-D	C2.4	VGB-2-4100	FLG BLT ITEM 17 6S-6N	VT
C-D	C2.4	VGB-2-4100	FLG BLT ITEM 29 16S,32N, & 32W	VT
C-D	C2.4	VGB-2-4100	FLG BLT ITEM 30 16S, 32N, 32W	VT

\* - partial examination

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

\*\*\* - previous NIS-1 commitment

(PSI) - Preservice Inspection PO - exam done post outage

RR - Relief Request

As required by the Provisions of the ASME Code Rules

- 1. Owner Virginia Electric and Power Company, 5600 Dominion Blvd., Glen Allen, Virginia, 23060
- 2. Piant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
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- 6. National Board Number for Unit N/A

### Component Supports

C-E-2 C2.6 101A-2 SHP-R-215 32"-SHP-402-601-Q2 VT-3 C-E-2 C2.6 101A-3 SHP-R-214 32"-SHP-403-601-Q2 VT-3 C-E-2 C2.6 102B WFPD-SH-41 16"-WFPD-423-601-Q2 VT-3 C-E-2 C2.6 102B WFPD-R-41A 16"-WFPD-423-601-Q2 VT-3 D-B IWD-2600 102E-1 WCMU-R-3 6"-WCMU-418-151-Q3 VT-3 D-B IWD-2600 102E-1 WCMU-R-23 6"-WCMU-419-151-Q3 VT-3 D-B IWD-2600 102E-1 WCMU-R-30 6"-WCMU-418-151-Q3 VT-3 D-B IWD-2600 102E-1 WCMU-R-620 6"-WCMU-418-151-Q3 VT-3	
C-E-2 C2.6 102B WFPD-SH-41 16"-WFPD-423-601-Q2 VT-3 C-E-2 C2.6 102B WFPD-R-41A 16"-WFPD-423-601-Q2 VT-3 D-B IWD-2600 102E-1 WCMU-R-3 6"-WCMU-418-151-Q3 VT-3 D-B IWD-2600 102E-1 WCMU-R-23 6"-WCMU-419-151-Q3 VT-3 D-B IWD-2600 102E-1 WCMU-R-30 6"-WCMU-418-151-Q3 VT-3 D-B IWD-2600 102E-1 WCMU-R-620 6"-WCMU-418-151-Q3 VT-3	2 VT-3
C-E-2 C2.6 102B WFPD-R-41A 16"-WFPD-423-601-Q2 VT-3 D-B IWD-2600 102E-1 WCMU-R-3 6"-WCMU-418-151-Q3 VT-3 D-B IWD-2600 102E-1 WCMU-R-23 6"-WCMU-419-151-Q3 VT-3 D-B IWD-2600 102E-1 WCMU-R-30 6"-WCMU-418-151-Q3 VT-3 D-B IWD-2600 102E-1 WCMU-R-620 6"-WCMU-418-151-Q3 VT-3	
D-B IWD-2600 102E-1 WCMU-R-3 6"-WCMU-418-151-Q3 VT-3 D-B IWD-2600 102E-1 WCMU-R-23 6"-WCMU-419-151-Q3 VT-3 D-B IWD-2600 102E-1 WCMU-R-30 6"-WCMU-418-151-Q3 VT-3 D-B IWD-2600 102E-1 WCMU-R-620 6"-WCMU-418-151-Q3 VT-3	Q2 VT-3
D-B IWD-2600 102E-1 WCMU-R-23 6"-WCMU-419-151-Q3 VT-3 D-B IWD-2600 102E-1 WCMU-R-30 6"-WCMU-418-151-Q3 VT-3 D-B IWD-2600 102E-1 WCMU-R-620 6"-WCMU-418-151-Q3 VT-3	Q2 VT-3
D-B IWD-2600 102E-1 WCMU-R-30 6"-WCMU-418-151-Q3 VT-3 D-B IWD-2600 102E-1 WCMU-R-620 6"-WCMU-418-151-Q3 VT-3	3 VT-3
D-B IWD-2600 102E-1 WCMU-R-620 6"-WCMU-418-151-Q3 VT-3	3 VT-3
	3 VT-3
	3 VT-3
D-B IWD-2600 102E-2 WCMU-R-7 6"-WCMU-411-151-Q3 VT-3 **1	3 VT-3 **K
D-B IWD-2600 102E-2 WCMU-R-626 8"-WCMU-405-151 23 VT-3	3 VT-3
D-B IWD-2500 102E-2 WCMU-R-627 8"-WCMU-405-151-Q3 VT-3	3 VT-3
D-B IWD-2600 102F-1 WAPD-R-17 6"-WAPD-402-601-Q3 VT-3	3 VT-3
D-B IWD-2600 102F-3 WAPD-R-20B 6"-WAPD-402-601-Q3 VT-3	3 VT-3
D-B IWD-2600 102F-2 WAPD-R-22A 6"-WAPD-401-601-Q3 VT-3	
C-E-2 C2.6 103AA SI-R-125 6"-SI-530-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103AD SI-R-1 6"-SI-419-1502-Q1 VT-3	
B-K-2 B4.10 103AE RC-R-1 2"-RC-599-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103AY RC-SH-3 2"-RC-458-1502-Q1 VT-3 **1	VT-3 **L
B-K-2 B4.10 103AY RC-SH-3 3"-RC-619-1502-Q1 VT-3 **!	VT-3 **M
B-K-2 B4.10 103AY RC-R-4 2"-RC-458-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103AY RC-SH-18 2"-RC-620-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103AY RC-SH-20 2"-RC-620-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103AY RC-R-24 2"-RC-620-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103AZ RC-R-1 2"-RC-620-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103AZ RC-R-2 2"-RC-620-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103AZ RC-R-3 2"-RC-620-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103AZ RC-R-5 2"-RC-620-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103AZ RC-R-13 2"-RC-620-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103AZ RC-R-14 2"-RC-620-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103AZ RC-R-27 2"-RC-620-1502-Q1 VT-3	
님!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	
B-K-2 B4.10 103BB SI-A-3D 6"-SI-532-1502-Q1 VT-3	VT-3
C-E-2 C2.6 103BB SI-RH-96 6"-SI-531-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103BB SI-R-250 6"-SI-532-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103BF RC-R-1 2"-RC-600-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103BF RC-R-2 2"-RC-600-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103BG CH-R-25 2"-CH-410-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103BJ CH-R-6 2"-CH-408-1502-Q1 VT-3	VT-3
B-K-2 B4.10 103BK RC-R-1 2"-RC-598-1502-Q1 VT-3	VT-3

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Plyd., Glen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80
- 6. National Board Number for Unit N/A

CAT.	Item	ISO	Mark Number	Line Number	Exam	
B-K-2	B4.10	103BK	RC-R-2	2"-CH-598-153A-Q1	VT-3	
B-K-2	B4.10	103CB	RC-R-1	2"-RC-616-1502-Q1	VT-3	
B-K-2	B4.10	103CB	RC-SH-2	2"-RC-455-1502-01	VT-3	**0
B-K-2	B4.10	103CB	RC-SH-3	3"-RC-615-1502-01	VT-3	
B-K-2	B4.10	103CB	RC-SH-3	2"-RC-616-1502-01	VT-3	
B-K-2	B4.10	103CB	RC-R-4	2"-RC-616-1502-Q1	VT-3	
B-K-2	B4.10	103CB	RC-R-33	2"-RC-453-1502-Q1	VT-3	
B=K-2	B4.10	103DA-1	RC-SH-1	1"-RC-524-1502-01	VT-3	
B-K-2	B4.10	103DA-2	RC-R-4	3"-RC-516-1502-Q1	VT-3	**P
B-K-2	B4.10	103DA-2	RC-R-9	3"-RC-516-1502-01	VT-3	
B-K-2	B4.10	103DB-1	RC-R-3	2"-RC-553-1502-Q1	VT-3	
B-K-2	B4.10	103DB-1	RC-SH-1	2"-RC-553-1502-Q1	VT-3	
B-K-2	B4.10	103DC-1	RC-SH-1	2"-RC-539-1502-Q1	VT-3	
B-K-2	B4.10	103DC-1	RC-R-2	2"-RC-539-1502-Q1	VT-3	**0
B-K-2	B4.10	103DC-1	RC-R-9	3"-RC-531-1502-Q1	VT-3	
B-K-2	B4.10	103DC-2	RC-R-4	3"-RC-531-1502-Q1	VT-3	
C-E-2	C2.6	104B-1	SI-R-31	10"-SI-542-153A-Q2	VT-3	**R
C-E-2	C2.6	104B-2	SI-SH-59	10"-SI-624-1502-01	VT-3	
C-E-2	C2.6	104B-1	SI-SH-601	10"-SI-464-153A-Q2	VT-3	
D-B	IWD-2600	105A-1	WS-A-3	16"-WS-433-151-Q3	VT-3	(PSI) **S
D-B	IWD-2600	105A-1	WS-R-4	16"-WS-433-151-Q3	VT-3	(PSI)
D-B	IWD-2600	105A-1	WS-R-5	16"-WS-433-151-Q3	VT-3	
D-B	IWD-2600	105A-1	WS-R-6A	24"-WS-426-151-Q2	VT-3	(PSI)
D-B	IWD-2600	105A-1	WS-A-12	16"-WS-432-151-Q3	VT-3	(PSI) **T
D-B	IWD-2600	105A-1	WS-R-13	16"-WS-432-151-Q3	VT-3	
D-B	IWD-2600	105A-1	WS-R-15A	24"-WS-428-151-Q3	VT-3	(PSI)
D-B	IWD-2600	105A-1	WS-A-21	16"-WS-430-151-Q2	VT-3	(PSI)
D-B	IWD-2600	105A-1	WS-A-23	16"-WS-431-151-03	VT-3	(PSI) **U
D-B	IWD-2600	105A-2	WS-R-8	24"-WS-426-151-Q2	VT-3	(PSI)
D-B	IWD-2600	105A-2	WS-R-17	24"-WS-428-151-Q2	VT-3	(PSI) **V
D-B	IWD-2600	105B-1	WS-R-29	24"-WS-434-151-Q2	VT-3	(PSI)
D-B	IWD-2600	105B-1	WS-R-30	24"-WS-434-151-02	VT-3	(PSI)
D-B	IWD-2600	105B-1	WS-R-36	24"-WS-436-151-22	VT-3	(PSI)
D-B	IWD-2600	105B-1	WS-R-37	24"-WS-436-151-Q2	VT-3	(PSI)
D-B	IWD-2600	105B-2	WS-R-25	24"-WS-441-151-Q2	VT-3	(PSI)
D-B	IWD-2600	105B-2	WS-A-33	16"-WS-440-151-Q3	VT-3	(PSI)
D-B	IWD-2600	105B-2	WS-R-34	24"-WS-436-151-Q3	VT-3	
D-B	IWD-2600	105B-2	WS-A-40	16"-WS-438-151-Q3	VT-3	(PSI)
D-B	IWD-2600	107AAG	WCMU-R-10	6"-WCMU-412-151-Q3	VT-3	**W
D-B	IWD-2600	107AAG	WCMU-R-12	6"-WCMU-412-151-Q3	VT-3	**W
D-B	IWD-2600	107AAG	WCMU-R-13	6"-WCMU-412-151-Q3	VT-3	**W
D-B	IWD-2600	107AAG	WCMU-R-15	6"-WCMU-412-151-Q3	VT-3	**W

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CAT.	Item	ISO	Mark Number	Line Number	Exam	
D-B	IWD-2600	107AAG	WCMU-R-16	6"-WCMU-412-151-Q3	VT-3	**W
D-B	IWD-2600	107AAG	WCMU-R-18A	6"-WCMU-412-151-Q3	VT-3	**W
D-B	IWD-2600	107AAG	WCMU-R-30	6"-WCMU-412-151-Q3	VT-3	**W
D-B	IWD-2600	107AAG	WCMU-R-31	6"-WCMU-412-151-Q3	VT-3	**W
D-B	IWD-2600	107AAG	WCMU-R-32	6"-WCMU-412-151-Q3	VT-3	**W
D-B	IWD-2600	107AAG	WCMU-R-33	6"-WCMU-412-151-Q3	VT-3	**W
D-B	IWD-2600	107AAG	WCMU-R-34	6"-WCMU-412-151-Q3	VT-3	**W
D-B	IWD-2600	107AAG	WCMU-R-151	6"-WCMU-412-151-Q3	VT-3	
D-B	IWD-2600	107AAG	WCMU-R-153	6"-WCMU-412-151-Q3	VT-3	
D-B	IWD-2600	107AAG	WCMU-R-155	6"-WCMU-412-151-Q3	VT-3	
D-B	IWD-2600	107AAG	WCMU-R-193	6"-WCMU-412-151-Q3	VT-3	
D-B	IWD-2600	107AAG	WCMU-A-635	6"-WCMU-412-151-Q3	VT-3	
D-B	IWD-2600	107AAH	QS-R-43	6"-QS-420-152-Q3	VT-3	**X
D-B	IWD-2600	107AAH	QS-R-44	6"-QS-420-152-Q3	VT-3	**X
D-B	IWD-2600	107AAH	QS-R-45	6"-QS-420-152-Q3	VT-3	**X
D-B	IWD-2600	107AAH	QS-R-46	6"-QS-420-152-Q3	VT-3	**X
D-B	IWD-2600	107AAH	QS-R-47	6"-QS-420-152-Q3	VT-3	**X
D-B	IWD-2600	107AAH	QS-R-48	6"-QS-420-152-Q3	VT-3	**X
D-B	IWD-2600	107AAH	QS-R-49	6"-QS-420-152-Q3	VT-3	**X
D-B	IWD-2600	107AAH	QS-R-50	6"-QS-420-152-Q3	VT-3	**X
D-B	IWD-2600	107AAH	QS-R-51	6"-QS-420-152-Q3	VT-3	**X
D-B	IWD-2600	107AAH	QS-SH-52	6"-QS-420-152-Q3	VT-3	**X
D-B	1WD-2600	107DA	SHP-R-8	10"-SHP-471-601-Q3	VT-3	
D-B	IWD-2600	107DB	SHP-RH-28	8"-SHP-477-601-Q3	VT-3	
D-B	IWD-2600	107DB	SHP-RH-29	8"-SHP-476-601-Q3	VT-3	
D-B	IWD-2600	107DB	SHP-RH-37	10"-SHP-475-601-Q3	VT-3	
C-E-2	C2.6	107E	SI-R-203	8"-SI-440-153A-Q2	VT-3	
C-E-2	C2.6	107E	SI-R-223	8"-SI-440-153A-Q2	Vm-3	**Y
C-E-2	C2.6	107G	RS-R-608	8"-RS-458-153A-Q3	VI-3	
B-K-2	B4.10	110A	RC-A-44	12"-RC-436-602-Q3	VT-3	
B-K-2	B4.10	110B	RC-R-4	4"-RC-414-1502-01	VT-3	
B-K-2	B4.10	110B	RC-R-9	4"-RC-414-1502-Q1	VT-3	
B-K-2	B4.10	110B	RC-R-10	4"-RC-414-1502-Q1	VT-3	
B-K-2	B4.10	110B	RC-R-12	4"-RC-414-1502-Q1	VT-3	
B-K-2	B4.10	110B	RC-R-16	4"-RC-414-1502-Q1	VT-3	
B-K-2	B4.10	1108	RC-R-17	4"-RC-414-1502-Q1	VT-3	
B-K-2	B4.10	110B	RC-A-18	4"-RC-414-1502-Q1	VT-3	
B-K-2	B4.10	110B	RC-R-19	4"-RC-414-1502-01	VT-3	
B-K-2	B4.10	110C	RC-R-25	4"-RC-415-1502-01	VT-3	
B-K-2	B4.10	110C	RC-R-28	4"-RC-415-1502-Q1	VT-3	
B-K-2	B4.10	110C	RC-A-29	4"-RC-415-1502-01	VT-3	
B-K-2	B4.10	110C	RC-R-35A	4"-RC-415-1502-Q1	VT-3	

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- 6. National Board Number for Unit N/A

CAT.	Item	ISO	Mark Number	Line Number	Exam	
B-K-2	B4.10	110C	RC-R-35B	4"-RC-415-1502-Q1	VT-3	
B-K-2	B4.10	110D	RC-R-31	4"-RC-415-1502-Q1	VT-3	**2
B-K-2	B4.10	111AB	CH-SH-5	3"-CH-800-1502-Q1	VT-3	**AA
B-K-2	B4.10	111K	CH-R-1	2"-CH-416-1502-Q1	VT-3	
B-K-2	B4.10	111K	CH-R-2	2"-CH-416-1502-Q1	VT-3	
B-K-2	B4.10	111K	CH-R-3	2"-CH-416-1502-01	VT-3	
B-K-2	B4.10	111K	CH-SH-4	2"-CH-416-1502-01	VT-3	
B-K-2	B4.10	111K	CH-R-5	2"-CH-416-1502-01	VT-3	
B-K-2	B4.10	111K	CH-R-6	2"-CH-416-1502-Q1	VT - 3	
B-K-2	B4.10	111K	CH-A-7	2"-CH-416-1502-Q1	VT-3	
B-K-2	B4.10	111K	CH-A-8	2"-CH-416-1502-Q1	VT-3	
B-K-2	B4.10	111K	CH-R-9	2"-CH-416-1502-Q1	VT-3	
B-K-2	B4.10	111P	CH-A-1	2"-CH-414-1502-Q1	VT-3	
B-K-2	B4.10	1110	CH-R-2	2"-CH-414-1502-Q1	VT-3	
B-K-2	B4.10	1110	CH-A-3	2"-CH-414-1502-Q1	VT-3	
B-K-2	B4.10	1110	CH-A-4	2"-CH-414-1502-Q1	VT-3	
B-K-2	B4.10	1110	CH-A-5	2"-CH-414-1502-Q1	VT-3	
B-K-2	B4.10	1110	CH-R-6	2"-CH-414-1502-01	VT-3	
B-K-2	B4.10	1110	CH-R-7	2"-CH-414-1502-Q1	VT-3	
B-K-2	B4.10	1110	CH-A-8	2"-CH-414-1502-Q1	VT-3	
B-K-2	B4.10	1110	CH-R-9	2"-CH-414-1502-Q1	VT-3	
B-K-2	B4.10	1110	CH-R-10	2"-CH-414-1502-Q1	VT-3	
B-K-2	B4.10	1110	CH-R-11	2"-CH-414-1502-Q1	VT-3	
B-K-2	B4.10	1110	CH-A-12	2"-CH-414-1502-Q1	VT-3	
B-K-2	B4.10	111R	CH-R-13	2"-CH-414-1502-Q1	VT-3	
B-K-2	B4.10	111R	CH-R-14	2"-CH-414-1502-Q1	VT-3	
B-K-2	B4.10	111R	CH-R-15	2"-CH-414-1502-Q1	VT-3	
B-K-2	B4.10	111R	CH-R-16	2" -CH-414-1502-Q1	VT-3	
B-K-2	B4.10	111R	CH-R-17	2"-CH-414-1502-Q1	VT-3	
B-K-2	B4.10	111W	CH-R-2	2"-CH-468-1502-Q1	VT-3	
B-K-2	B4.10	111W	CH-SH-4	2"-CH-468-1502-Q1	VT-3	
B-K-2	B4.10	111W	CH-R-5	2"-CH-468-1502-Q1	VT-3	
B-K-2	B4.10	111W	CH-R-6	2"-CH-468-1502-Q1	VT-3	
B-K-2	B4.10	111W	CH-R-7	2"-CH-468-1502-Q1	VT-3	
B-K-2	B4.10	111W	CH-R-13	2"-CH-468-1502-Q1	VT-3	
C-E-2	C2.6	113A-1	SI-R-13	12"-SI-523-1502-Q3	VT-3	
B-K-2	B4.10	113B	SI-R-1	12"-SI-468-1502-Q1	VT-3	
C-E-2	C2.6	113C	RH-R-2	12"-RH-411-602-Q2	VT-3	
B-K-2	B4.10	113C	RH-R-6	10"-RH-414-1502-Q1	VT-3	
B-K-2	B4.10	113C	SI-SH-17A	12"-SI-469-1502-Q1	VT-3	**AB
B-K-2	B4.10	113C	SI-SH-17B	12"-SI-469-1502-Q1	VT-3	**AB

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
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- 6. National Board N. aber for Unit N/A

CAT.	Iter	ISO	Mark Number	Line Number	Exam	
B-K-2	B4.10	113C	SI-R-34	12"-SI-469-1502-Q1	VT-3	
D-B	IWD-2600	11715- 118N-3	CC-R-417	18"-CC-420-151-Q3	VT-3	**AC
D-B	IWD-2600	11715- 118N-3	CC-R-418	18"-CC-419-151-Q3	VT-3	**AD
D-B	IWD-2600	N8919-2 -M-704	WAPD-H-1007	6"-WAPD-451-601-Q3	VT-3	(PSI)
D-B	IWD-2600	N8919-2 -M-705	WAPD-H-1006	6"-WAPD-451-601-Q3	VT-3	(PSI)
D-B	IMD-5600	N8919-2 -M-706	WAPD-H-1008	6"-WAPD-451-601-Q3	VT-3	(PSI)
D-B	IWD-2600	N8919-2 -M-708	WAPD-H-20	6"-WAPD-401-601-Q3	VT-3	(FSI)
D-B	IWD-2600	N8919-2 -M-709	WAPD-H-625	6"-WAPD-403-601-Q3	VT-3	(PSI)

- \* partial examination
- \*\* indication (the letter refers to the item listed in the Results section)
- \*\*\* previous NIS-1 commitment
- (PSI) Preservice Inspection PO - exam done post outage
- RR Relief Request

#### ATTACHMENT II

INSERVICE INSPECTION REPORT

of the

North Anna Power Station

Unit 2

P.O. Box 402

Mineral, Virginia 23117

for

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

Operating Capacity: 944 MWe (net)

Refueling Outages: 1st Period, 2nd Interval

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

ATTACHMENT II Page 1 of 5

1.	Owner Virginia Electric & Power Company, Glen Allen, VA 2306 (Name and Address of Owner)
2.	Plant North Anna Power Station, P.O. Box 402, Mineral, VA 23117 (Name and Address of Plant)
3.	Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A
5.	Commercial Service Date 12-14-80 6. National Board Number for Unit N/A
7.	Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
REACTOR VESSEL	RDM ROTTERDAM	30662	VA 61445	N/A
		-		<del> </del>
			+	+
-			<del> </del>	

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)

<ul> <li>10. Applicable Editions of Section XI 1983 Addenda</li> <li>11. Abstract of Examinations. Include a list of examinations and a statement concerning status of work require for current interval. Pages 3 -5</li> <li>12. Abstract of Conditions Noted. N/A</li> </ul>
for current interval. Pages 3 -5
12. Abstract of Conditions Noted. N/A
13. Abstract of Corrective Measures Recommended and Taken. N/A
We certify that the statements made in this report are correct and the examinations and corrective me sures taken conform to the rules of the ASME Code, Section XI.
Certificate of Authorization No. (if applicable) N/A Expiration Date N/A
Date January 24, 1991 Signed Virginia Power By Ew Thinkmorton Owner
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspects and the State or Province of Virginia and employed by Hartford Steam Boiler 1 & 1 Co. Hartford, CT have inspected the components described in this Owner's Report during the period of the State of the St
Inspector's Signature Commissions VA-558 National Board, State, Province, and Endorsements Date 24 1991

As required by the Provisions of the ASME Code Rules

- 1. Owner Vir nia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
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- 6. National Board Number for Unit N/A

#### Interval 2 Examination Summary

#### Introduction

Interval 2 inservice examinations of Class 1 components and piping were conducted at North Anna Power Station Unit 2 from September 15, 1990 to October 30, 1990.

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

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

#### Limitations

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

#### Examinations

Examinations were conducted to satisfy the requirements of 1983 Edition of Section XI. Examinations were conducted to review as much of the examination zones as was practical within geometric, metallurgical and physical limitations. When the required ultrasonic examination volume or area could not be examined 100%, the examination method was evaluated and alternate angles or methods were considered in an attempt to achieve the maximum examination volume. Generally partial exams (PARs) are noted at fitting to fitting assemblies and where integrally welded supports, lugs or hangers, etc., preclude access to some part of the examination area.

ATTACHMENT II Page 3 of 5

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

As required by the Provisions of the ASME Code Rules

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80
- 6. National Board Number for Unit N/A

#### Interval 2 Results

Examinations of component and piping resulted in no items being reported on the basis of procedure reporting criteria.

As required by the Provisions of the ASME Code Rules

- 1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Olen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12:14:80
- 6. National Board Number for Unit N/A

#### ABSTRACT OF INTERVAL 2 EXAMINATIONS

CATEGORY	ITEM NO	ISOMETRIC	ITEM	EXAM
B-A	B1.3	12050-WMKS-RC-R-1.1	WELD 1	UT
			0° THRU 71.38°	
B-A	B1.30	12050-WMKS-RC-R-1.1	WELD 1	UT
			139.66° THRU 164.49	0
B-A	B1.30	12050-WMKS-RC-R-1.1	WELD 1	UT
			238.97° THRU 313.45	0
B-A	B1.30	12050-WMKS-RC-R-1.1	WELD 1	UT
			344.49° THRU 360.00	0
B-D	B3.90	12050-WMKS-RC-R-1.1	WELD 10	UT
B-D	B3.90	12050-WMKS-RC-R-1.1	WELD 12	UT
B-D	B3.90	12050-WMKS-RC-R-1.1	WELD 14	UT
B-D	B3.100	12050-WMKS-RC-R-1.1	WELD IONIR	UT
B-D	B3.100	12050-WMKS-RC-R-1.1	WELD 12NIR	UT
B-D	B3.100	12050-WMKS-RC-R-1.1	WELD 14NIR	UT
B-F	B5.10	12050-WMKS-109E-1	WELD 1	UT
B-F	B5.10	12050-WMKS-109E-1	WELD 13	UT
B-F	B5.10	12050-WMKS-109E-1	WELD 25	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 1	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 2	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THEDS IN FLANGE 3	UT
B-G-1	B6.40	1.2050-WMKS-RC-R-1.2	THRDS IN FLANGE 4	UT
B-G-1	P6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 5	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 6	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 7	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 8	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 9	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 10	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 11	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 12	UT
9-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 24	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 25	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THEDS IN FLANGE 26	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 40	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 41	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 42	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 43	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 44	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS IN FLANGE 45	UT

- 1. Owaer Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
- 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
- 3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 12-14-80
- 6. National Board Number for Unit N/A

CATEGORY	ITEM NO	ISOMETRIC	ITEM				EXAM
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS	IN	FLANGE	46	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS	IN	FLANGE	47	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS	IN	FLANGE	48	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS	IN	FLANGE	49	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS	IN	FLANGE	50	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS	IN	FLANGE	51	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRES	IN	FLANGE	57	UT
B-G-1	B6.40	12050-WMKS-RC-R-1.2	THRDS	IN	FLANGE	58	UT

#### ATTACHMENT III

of the

North Anna Power Station

Unit 2

P.O. Box 402

for

Mineral, Virginia 23117

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

Operating Capacity: 944 MWe (net)
Refueling Outages: 3rd Period, 1st Interval

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

1. Owner Lingin	in Electrica	Lower C	0	DATE Sept /	8, 199	0	
5000 Pom	rivion Blud	alen Allen	VA 23060	Sheet	pt		_
	Annu lower		-	Unit 2		-	
	Mineral VA			ROR 90-1		O. No., Job No.	eto
LO. Aux 4	Winginia El- 102 Mineral Address Sofety	VA 231		Type Code Symbol Authorization No. Expiration Date	Stamp /	UA	
(b) Applicable Ed	Instruction Code B	ilized for Repairs	or Replacement	19 P3 SP3	Addenda, Ž	78, 81(R), 115	Code Ca
Name of Component	Name of Manufacturar	Manufacturer Serial No.	National Board No.	Other Identification	Year Bullt	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
lipe	Southwest Fob	MA	MA	Wald# 22 2.53.88. News	1976	Regarded	No
	-						
					-		
7. Description of Wor	ix Ground W.	eld for b	ITexom				

recorded at the top of this form.

#### FORM NIS-2 (Back)

	Applicable Manufacturer's Deta Reports to be attached
	CERTIFICATE OF COMPLIANCE
We cer	
ASME Code, Sec	rtify that the statements made in the report are correct and this <u>ALPOID</u> conforms to the rules of the report or replacement
Type Code Sym	pol Stamp N/A
Certificate of Au	Expiration Date MA  Expiration Date MA  Expiration Date MA  Expiration Date MA  19 90
/	1011
Signed	Della Erga Date Sapt 18 1990
Owner	Or Owner's Designee, Title
- reference come come	
	CERTIFICATE OF INSERVICE INSPECTION
the undersion	ed, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the Stat
	LIESTON and employed by MacTher & Stones Boder J + J CO
in this Dr. mark	Report during the period 25 Qu.5 (980 to 13 Sept 1990 , and state the
	ny knowledge and belief, the Owner has performed examinations and taken corrective measures described in the
The state of the s	In accordance with the requirements of the ASME Code, Section XI.
	his "rtificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning t
	nd corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ
	n any manner for any personal injury or property damage or a loss of any kind arising from or connected with th
inspection.	
200 8	V. 111
- bethe de le	Inspector's Signature Commissions UP 5.58  National Board, State, Province, and Endorsements
	National Board, State, Province, and Endorsements
	Sept 1090

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

	in Electrica			Date Sept	18	1990	-
5000 Des	minion Blud	slew Alley	VA	Sheet/	of_/_		-
Man North	Anna Power	Station		Unit 2			
	102 Mireral			ROR 90-	39	O No. Job No.	MTC.
Work Performed t	ov Vinginia Elec	Frico Powe	R Co	Type Code Symbol	Stemp Z	A	
	2 Michal V.			Authorization No. Expiration Date	NIA	1	
	System Safety Z				100		
Identification of C	Components Repaired o	r 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 Stampe (Yes or No)
				Wald#17			
	10 01 000	with .	411		1541	Repaired	No
è e	Southwest Fab	MA	210	2-32-FF-NUMB	1776	TO-Yalker	The state of the state of
ije.	Southwest Fab	MA		×-32-78-NUME	1976	10-yairer	
ije.	Southwest Fub	MA	21/2	2.32.1F-NUPE.	/776	n-yainen	
			17 2×0m		1/776	10-79/1888	
	rk Ground we	12 for 6			/776	79/46	
Jescription of Wo		/L foR (	ominal Operatin	g Pressure	/776	n-yainen	

#### FORM NIS-2 (Back)

	Applicable Menufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
	its made in the report are correct and this AsparA conforms to the rules of the
ASME Code, Section X1.	repair or replacement
NIA	
ype Code Symbol Stamp 2/2	
Certificate of Authorization No. N.	A NIA
ertificate of Authorization No. 2	A Expiration Date NA  Engl Date Sept 18 18 90
igned La Dull	Engl Date Sept 18 1990
Owner or Owner's Designee,	Title
1	
	CERTIFICATE OF INSERVICE INSPECTION
, the undersigned, holding a valid com	rmission issued by the National Board of Boiler and Pressure Vessel Inspectors and Control of the National Board of Boiler and Pressure Vessel Inspectors and Control of the National Board of Boiler and Pressure Vessel Inspectors and Control of the National Board of Boiler and Pressure Vessel Inspectors and Control of the National Board of Boiler and Pressure Vessel Inspectors and Control of the National Board of Boiler and Pressure Vessel Inspectors and Control of the National Board of Boiler and Pressure Vessel Inspectors and Control of the National Board of Boiler and Pressure Vessel Inspectors and Control of the National Board of Boiler and Pressure Vessel Inspectors and Control of the National Board of Boiler and Pressure Vessel Inspectors and Control of the National Board of Boiler and Pressure Vessel Inspectors and Control of the National Board of the National Board of Boiler and Pressure Vessel Inspectors and Control of the National Board of the N
or Penylmen of 13186 (W/M	and amplement my Harthard Steppe Baller I + I co
HA- Thord Steam Bo	siles a HART ford CT have inspected the components describe
n this Owner's Report during the pe	eriod 25 Aug 90 to /3 Pept 1990, and state thi
o the best of my knowledge and beli	lef, the Owner has performed examinations and taken corrective measures described in th
Owner's Report in accordance with the	e requirements of the ASME Code, Section XI.
By signing this certificate neither	the Inspector nor his employer makes any warranty, expressed or implied, concerning the
xaminations and corrective measures	s described in this Owner's Report. Furths, more, neither the Inspector nor his employ
hall be liable in any manner for any p	personal injury or property damage or a loss of any kind arising from or connected with th
nspection.	
111 Plan 6/1/1	La SSX
Willen & Sunstan	Commissions National Board, State, Province, and Endorsements
Date 18 Sept	

ATTACHMENT I Page 3 of 135 Side 1 of 2

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

1. Owner Vinginia Elactric & Power Co Name  Sees Sominier Blad Glen Allen, VA 23060  2. Plant Neath Anna Power Station Name  LO. Box 402 Mineral VA 23117  Address  3. Work Performed by Vinginia Electric & Power Co Name  LO. Box 402 Mineral VA 23117  Address  LO. Box 402 Mineral VA 23117				Sheet of Unit 2  Bar 90-152  Repair Organization P.O. No., Job No., etc.											
								Type Code Symbol Stamp							
								4. Identification of S			errennenskinsk	Expiration Date 2	40		
								(a) Applicable Co     (b) Applicable Ed     Identification of C	ition of Section XI U	ilized for Repairs	or Replacemen	ts 19. <i>63.583</i>	AUGOTO EZ.	\$ \$1 \$3(1Q) (15	Code Ca
				Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)				
Valve	IT GRIENE!	MA	NA	2-CH-124	1/1	Replaced	No								
Valve	IT GAINGALL			2-CH-124		Replacement									
7. Description of Wor	KREPlaced va	lue bonnet													
8. Tests Conducted:	Hydrostatic P Other Pressure														

recorded at the top of this form.

#### FORM NIS-2 (Back)

Red/oc	sME Class & manufacturer's Date Reports to be established a specs. It
	eganded to class 2 by partermence of both Prand RT axams
We ASME Code,	CERTIFICATE OF COMPLIANCE  certify that the statements made in the report are correct and this A. L. L. Conforms to the rules of the Section XI.
	AUTHORIZETION No. N/A Expiretion Date N/A
	not or Owner's Designee, Title Eagh Dete November 9 10.90
NAME OF THE OWNER, WAS ASSESSED.	CERTIFICATE OF INSERVICE INSPECTION
	gned, holding a valid commission issued by the National Board of Boliar and Pressure Vessel Inspectors and the State.
in this Owner to the best of	have inspected the components describe r's Report during the period 2 Sept 1990 to 29 0 to 1990, and state the first knowledge and belief, the Owner has performed examinations and taken corrective measures described in thort in accordance with the requirements of the ASME Code, Section XI.
By signing examinations shall be liable inspection.	this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the and corrective measures described in this Owner's Report, Furthermore, neither the inspector nor his employers in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the
11/2	Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date 15	KUV 1090

1. Owner Ving 1 5000 Domi 2. Plant North PO Box 3. Work Performed b Danie   B 4. Identification of S 5. (a) Applicable Edit (b) Applicable Edit	9601	Unit 2  R + R 90 + 159  Repair Organization P.O. No., Job No., etc.  Type Code Symbol Stamp M/A  Authorization No M/A  Expiration Date N/A  n. W 70 Addenda, 78, 81,83(8), 115Code Case  onts 19,83 583					
6. Identification of C Name of Component	Name of Menufacturer	Manufacturer Seriel No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
clevis Pin	Grinnell	NIA	NIA	2-RC-HSS-3C	MA	Replaced	No
Clears Pin	Grinnell	6074503	NA	2-RC-HSS-3C	1987	Replacement	No
Spanner Nut	Grinnell	NA	NIA	Q-RC-455-3C	NA	Replaced	No
Spanner Nut	Grinnell	¢1626-5	MIM	2-RC-HS5-36	1987	Replaument	No
	Grinnell	NIA	~/A	2-RC-HSS-30	N/A	Replaced	No
Jan Nut  7. Description of Wor  8. Tests Conducted:  NOTE: Suppleme	K Replace & Curing Shub Hydrostatic   Formal Pressure	N/A  Clevis Pin ber Renovel neumatic No psi	Spanner minal Operation Test Temp.	2-RC-HSS-3C - Nut and Ja	N/A N/A	Replaced which we	No ere da

Remarks ASME Class	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We cartify that the statema	ents made in the report are correct and this Replacement conforms to the rules of the
ASME Code, Section XI	repeir or replacement
Abilit Cook, Metion At	
Type Code Symbol Stamp NA	
Type Code Symbol Stamp	
	NA NA
Certificate of Authorization No	Expiration Date
111-11-11	LEAD ISI ELIGR. Date January 10, 1991
Signed V V	ATTION AST CHEK. Date DANDERY 10 19 11
Cover of Children a Designed	77 77 700
***********	
	CERTIFICATE OF INSERVICE INSPECTION
	mmission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Prayince of UIC GIV 184	and employed by M. S. B. I. + I. CO. 0
Hart sond et	period 17 Sept 1880 to 3 oct 1880, and state the
in this Owner's Report during the p	period 17 Sept (250 to 5 oct 1950, and state the
	ellef, the Owner has performed examinations and taken corrective measures described in thi
	he requirements of the ASME Code, Section XI.
	the Inspector nor his employer makes any warranty, expressed or implied, concerning th
	es described in this Owner's Report. Furthermore, neither the Inspector nor his employe
	personal injury or property damage or a loss of any kind arising from or connected with this
	personal injury or property damage or a loss or any kind arising from or connected with thi
	사람들이 얼마나 가게 하는 모든
inspection.	The week
inspection.	Commissions UR 558
	Commissions UP 558  National Board, State, Province, and Endorsements
inspection.	

### SUPPLEMENTAL SHEET

ATTACHMENT III Page 5 of 135

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

	struction Code		1601 1 Edition	Type Code Symbol 5 Authorization No. Expiration Date  Adde	btemp No.	A	
		ed or Replaced or  Manufacturer Serial No.		Components  Other Identification	Year Built	Repaired, Replaced, or Replacemen	ASM Code Stamp (Yes
	MARCHANISM PRINCIPLE	ad grad	NIA	2-RC-HSS-3C	1987	Replacement	No
Jam Nut	Grinne"	19450426		THE RESIDENCE OF THE PARTY OF T	1101	14mers	
lan Nut	economicano e						
lan Not	CHINNE!						
an Not	CHINNE!						
Jan Not	CHINE!						

	a Eletric & /			Date Nevember 28, 1980				
5000 Dom	inion Blud Gl.	en Alley VA	23060	Sheet / of/				
2. Plant North	Anna Power	Station		Unit Z				
P.O. Bex 4  D. Bex 4  D. Bex 4  Identification of 5  (a) Applicable Co	Min RAS / Address  NVinginia E/A  102 Min RAS /  Address  System Main  Instruction Code B  lition of Section XI U	1A 23/17  Let Aico Power  Name  VA 23/17  Steam  31.7 19	69 Edition		Stamp A			
. Identification of (	Components Repaired	or Replaced and F	Replacement Co	mponents		Repaired,	ASME Code Stamped	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other	Year Built	Replaced, or Replacement	(Yes or No)	
Volre	Fisher	509/028	NA	2-M5-PCV-201-A	/975	Repaired	No	
		neumatic N	ominal Operation	ket Seating		•		

(12/82)

recorded at the top of this form.

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

	Class 2 Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We certify the ASME Code, Section XI	at the statements made in the report are correct and this REPAIR conforms to the rules of the repair or replacement
Type Code Symbol Stan	no N/A
Certificate of Authorisa	tion No. N/A Expiration Date N/A
Signed Ciwner or Own	Serion No. N/A  Expiration Date N/A  Date November 28 1990
the indecimal heider	CERTIFICATE OF INSERVICE INSPECTION  The state of the Sectional Board of Boller and Pressure Vessel Inspectors and the St
or Province of Unit	and employed 5. 7 S.B.J. + J. C.O.  have inspected the components described the components described to the compon
other the	have inspected the components describ
	have inspected the components described the period 22 dept 1290 to 5 keV 1990, and state to
	wiedge and belief, the Owner has performed examinations and taken corrective measures described in t
	rdance with the requirements of the ASME Code, Section XI,
	flicate neither the inspector nor his employer makes any warranty, expressed or implied, concerning ective measures described in this Owner's Report. Furthermore, neither the Inspector nor his emplo
	nanner for any personal injury or property damage or a loss of any kind arising from or connected with
inspection,	
mother	1/1/20 11077
Insp	ector's Signature Commissions National Board, State, Province, and Endorsements
	19 7 0

1. Owner Vingin	ing Electric +	Power Co	)	Dete November 15,1990				
	minion Blud G			Sheetof				
2. Plant North	Anna Power	Station		Unit 2				
P.O. Box	P.O. Box 402 Mineral, VA 23117					EWR 90-3	42 etc.	
3. Work Performed	ork Performed by Vinginia Electric + Power Co.				Stamp	NA		
P.O. Box	P.O. Box 402 Mineral, VA 23117			Authorization No. Expiration Date				
	System CHangu							
5. (a) Applicable C (b) Applicable E	Construction Code Bidition of Section XI Un	31.7 19		19 83 583	Addende,_	78,81,83(R),(15	Code Ca	
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)	
Vales	Walworth	D63552	NA	2-64-408	1976	Replaced	No	
Valve	Westinghouse	04000 GH 88 00008 000 574 0005	1/19	2-CH-408	1977	Replaced	No	
7. Description of W 8. Tests Conducted	Ork Replaced 4" bownet leak Hydrostatic ≥ P Other □ Pressure VT-2	neumatic No	ominal Operation	g Pressure	eropax !	's a had bad	le to	

recorded at the top of this form.

	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We certify that the st ASME Code, Section XI.	tatements made in the report are correct and this Associated and conforms to the rules of the repair or replacement
Type Code Symbol Stamp	NIA
Certificate of Authorization No	11 11
Signed Owner or Owner's Di	Stall 6032 Date November 16 1990
<del></del>	CERTIFICATE OF INSERVICE INSPECTION
t, the undersigned, holding a va	alid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
to the best of my knowledge i	and belief, the Owner has performed examinations and taken corrective measures described in the with the requirements of the ASME Code, Section XI.
	neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the neasures described in this Owner's Report. Furthermore, neither the Inspector nor his employer.
shall be liable in any manner f inspection.	or any personal injury or property damage or a loss of any kind arising from or connected with th
Weller	Commissions LAS Signature Commissions National Board, State, Province, and Endorsements
Inspectors	National Board, State, Province, and Endorsements
Date 19 200	1990

### THE THE VANCEACTURERS' DATA REPORT FOR NEWLEN PLANS OR VALVES.

	A Require	by the Provisions of the ASSE Code	Re-Issue of
Manufactured by	CHESWICK AVENUE.	CTRO-MECHANICAL DIVISION CHESWICK, PA 15024	S.O. HO38 DTJC-88982
Manufactured for	BECHTEL POWER CO	ROAD, AMN ARBOR, MI 48106	Order No. 7220-M-123-A
		(Name and Address)	O'OFF NO.
Owner	Consumers Power	Company, Midland, Michigan	
Location of Plant	Consumers Power	Co. Midland Plant Units 1 a	nd 2, Midland, Michigan
Pump or Valve ide	Valve	GH88000080005740005	No. Item I.I
	4"-1500 Manual C	perated Gate Valve	(La Pet)
(a) Drawing No.	5059D92 Ref. Dwg. 1165E4	Prepared by J. S. Zelenak	
(b) National Board	No. N/A	•	
Design Conditions	N/A (Freeers)	pai WA or P	ressure Class 1500
	The state of the s	kmenship complies with ASNE Code Secti	
Edition	1974 , Addenda De	574, Case No1	553-1. 1580-1. 1672
	Mark No.	Material Spec, No. Manufact	wer Remarks
(a) Castings			
***************************************			The state of the s
ACTION AND ADDRESS OF THE PARTY	TO SHARE THE SHARE SHOW A SHARE SHOW A SHARE SHOW A SHARE SHOW		
A-17770 STREET, TOTAL STREET, 18	THE REPORT OF THE PARTY OF THE		
SECURITY SECURITY DAYS OF SECURITY			
	MARKANINE CONTRACTOR OF SECURITY AND ADDRESS OF THE PERSON		The state of the s
*****************			
***************			
b) Porgings			
(b) Forgings Body	S/N 2602	SA 182 GR F316 PARK 0000	EDG OLV LIG TO
Body Bonnet	5/N 2602 S/N 3169	SA 182 GR F316 PARK DROP SA 182 GR F316 PARK DROP	The state of the s
Body Bonnet Disc	S/N 3169 S/N 726	SA 182 GR F316 PARK DROP SA 182 GR F316 McWis FRG.	FRG.DIV. Ht. No. 67808 CO.   Ht. No. 65793
Body Bonnet	5/N 3169	SA 182 GR F316 PARK DROP	FRG. DIV. Ht. No. 67808
Body Bonnet Disc	S/N 3169 S/N 726	SA 182 GR F316 PARK DROP SA 182 GR F316 McWis FRG.	FRG.DIV. Ht. No. 67808 CO.   Ht. No. 65793
Body Bonnet Disc	S/N 3169 S/N 726	SA 182 GR F316 PARK DROP SA 182 GR F316 McWis FRG.	FRG.DIV. Ht. No. 67808 CO.   Ht. No. 65793

"Supplemental absence in form of time, shotehed or drowings may be used provided (1) size is \$16" x 11", (2) information in items, 1, 2, is and 5b as this date report is indicated an each absent, and (3) rest about is numbered and number of shorts is respect at top of the form.

VDP-PAGE 6 OF 33

	STATE OF THE PERSON NAMED AND PARTY	THE RESERVE OF THE PERSON NAMED IN THE PERSON	Manufacturar	Ransarisa
(e)	Boiting		A STREET STREET, STREE	
	Main Flange Studs Main Flange Nuts	SA 453 GR 660 SA 194 GR 86	R.E.C. Corp. SPS Company	Ht. No. 60187
(d)	Other Parts		AND THE RESIDENCE OF THE PARTY	
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1. Owner Vinginia	L'ACTAICH Name	Tower Co.	THE REAL PROPERTY.	Date Lecember 13,1990				
5000 Comin	ion Blud Address	Glan Allery	VA 2300	Sheet				
2. Plan North				Unit 2				
a regime				Roll 90-	97 enizetion l	.O. No., Job Ne.,	etc.	
3. Work Performed by  P.O. Box 355  4. Identification of Sy	Type Code Symbol Stamp Authorization No. 100 No., etc.  Expiration Date							
(a) Applicable Cont (b) Applicable Edit     Identification of Co	ion of Section XI Ut	ilized for Repairs		19 d.3 5d3	Addende, "	MA	Code Car	
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)	
Steum GRENEROLOR	Wasting house	1281	68-95	2.RC-E-1A	1973	Repaired	Yes	
7. Description of Work	Pluggad 2	tubes beca	use of /	iera indice	tions	is take u	.11	
	Hydrostatic Protection Processure			The state of the s				
	ital sheets in form o ough 6 on this repor			be used, provided (1 (3) each sheet is nu				

	A SME C/633 / Applicable Menufacturer's Date Reports to be ettached
	lugged fules R30, 659 and R38, 673
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	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this A Park or replacement
ASME	Code, Bection XI.
	A.A
Type (	ode Symbol Stamp AVA
Acres (A)	2. MA 1 NIA
Certific	ate of Austorization Na Alft Expiration Date
Water and	To Allent Engl Date 13 1090
Signed	Owner or Gerrer's Designee, Title
m	
/	CERTIFICATE OF INSERVICE INSPECTION
I the	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors and the State
or Prov	near of UGE CO A and employed by A SE EFF CO
in this	Owner's Report during the period 2 Sept 1220 to 30 007 1920, and state that
	pest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	Report in apportance with the requirements of the ASME Code, Section XI.
	igning this certificate neither the inspector nor his employer makes an warranty, expressed or implied, concerning the
	strons and corrective measures described in this Owner's Report. Furt iermore, neither the inspector nor his employe
	flable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspect	
_ 6	Inspector's Signature Oc. nmissions UA 55 % National Board, State, Province, and Endorsements
	Inspector's Signature National Board, State, Province, and Endorsements

# As required by the Provisions of the ASHE Code Rules

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	Menufactured by Westinghouse Electric Corporation, Tampa Division, Tampa, Florida 17
2	Manufactured for Virginia Electric Power - North Anne 2
	(Messes seed augst 1 7th Furt has seet)
3.	Type Vertical Kind Steam Gen . Vessel No. ( manufacture ) Mach b Date No.) Nat'l Bd. No. 68-95 Yr. Built 1973
5	a. Applicable ASME Code: Section III, Edition 1968
	Till qualità
Lee	WHI D
MIC-MI	5A*533
4	Shells Material GR A CLIT'S SOUTH Thistopen is Albertace 06 in Die 12 in Leagth 15 in Leagth 15 in Leagth 16
3	Seamer Long Weld-Dbl Batharla Sea R.Y. Complete Efficiency
į.	
	Girth Weld-Dbl BdrR. Yes R.T. Complete No. of Courses
6.	Hends (s) Material GR A CLY TS 80000 (S) Material T.S.
	Location Cremto Encode Cityaled Control Hemisphrical Plat Side to Press. (Top, bottom, ends) Thickness Redime Endine Endine State Apre Angle Redime Disputer (Converse Control)
	(a) Top 3.62 Endine Readine Readine Readine Dismoter (Centres of Concerve)
×	the state of the s
	If removable, bolts used (Material, Spec. No., Y.S., Size, Number) Other fastering (Describe or attack speces)
7.	Assy Closure #Girth Weld-Dbl. Butt: H.T.: X. R. Complete
	Girth Weld (Describe as ogse & weld, par, etc. W has give dimensione, describe or skutch)  Licop Weight Preumatic
	Charpy Impace 30 ft-1b Hydrostatic or } Test
B.	Design Pressure' 1085; si at 600 of at temp. of +10 of. Combination   Pressure 1356 pai
-	€ 70°F min.
	Tube Sheets: Stationary, Material SA-508 CL2 Dis. 125.75 is. Thickness 21.03 is. Attachment See Item 1.
**	(Kind & Spec. No.) (Subject to press.)
	Floating Material (Kind & Sport, No.) Dia. in Thickness in Artachment
	(Kind & Spoe, Ne.)
0,	Tubes: Material SE-163 O.D. 7/8 in. Thickness050 inches Organic Number 3388 Type U (Straight or U)
-	The state of the s
C.O.	is 11 to 14 incl. to be completed for Primary Chamber
١.	Shell: Material T.S. Nominal Corrosion In. Dia. ft. in. Length ft. in.
	(Kird & Spee. No.) (Mis. el renge specified)
٤.	Seame: Long H.T. (Yes or No) R.T. Efficiency %
	Girth Weld-Dbl Buta.T. Yes R.T. Complete No. of Coverses #
	The second secon
	SA-216
	SA-216    Heads: (a) Material T.S (b) Material T.S T.S.
١,	SA-216  Heads: (a) Material T.S. (b) Material GR WCC T.S. 70000 (c) Material T.S.  Nom. Crown Enuckle Elliptical Content Hemispherical Flut Side to Press.  Location Thickness Reduce Reduce Feeding Feeding Parks
١,	SA-216  Heads: (a) Material T.S. (b) Material GR WCC T.S. 70000 (c) Material T.S.  Nom. Crown Enuckle Elliptical Contest Hemispherical Flut Side to Press.  Location Thickness Reduce Reduce Feeding Feeding Parks
١,	SA-216  Heads: (a) Material T.S. (b) Material GR WCC T.S. 70000 (c) Material T.S.  Nom. Crown Knuckle Elliptical Contest Hemispherical Plus Side to Press.  Location Thickness Radius Radius Raise Apex Angle Radius Diameter (Convex or Concave)  (a) Top, bottom, ends  (b) Channel 5.09 62.81 concave
3.	SA-216  Heads: (a) Material T.S. (b) Material GR WCC T.S. 70000 (c) Material T.S.  Nom. Crown Enuckle Elliptical Content Hemispherical Flut Side to Press.  Location Thickness Reduce Reduce Feeding Feeding Parks
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Feedwater 1 14.31 I.D. (End ) (CL.	THE REAL PROPERTY AND PERSONS ASSESSMENT ASS	GEO
17. Inspection Manholes, No. 4 Size 16" Location (2)	Chamber 6 (2) Upper Shell	-
Openings: Handboles, No. 2 Size 6" Location Stul	Barrel Portion of Lower Shell	-
Threaded, NoSizeLocation		-
	m for tolar	
18. Supporter Skin No Luge Lege Och	or X Attached See Below (There & Hew)	
war water cittle way are Duppert apport if the	Champer	
	THE RULLIDITATION SERVICES AND ASSESSMENT OF THE PROPERTY OF T	K
sentificate of alon inemeration for svervilling	listed except the hydrostatic tes	-
and subsequent inspection. Field inspector us	THE DIST OF THE CHRIST WAS A STREET	metadine reser
certificate of field assembly inspection below	. All other Mfg. is specified or	
manufacture's nevtiel data forms N=2 filed at	Westinkhouse	-
(Brief description of service for which	ressel was designed)	-
CERTIFICATION OF	DESIGN	
Wantenbauer Placeric Corr	corstion. Tamma Division, Lampa,	14.
Design information on file or Westinghouse Electric Corp	poration, Tampa Division, Tampa,	LT# .
Design specifications contined by (W) Atomic Power Division	Prod. Rac. Dist. of a District Reg. 140.	NAMES OF TAXABLE PARTY.
Streen enalysic report cartified by (W) Atomic Power Division	Prof. Eng. Brack Lohme Lat No. 13430	5
We certify that the statements made in this report are correct and the		
on of the ASME Code, Section III.  Date February 16 1973 Signed Westinghouse El (Menufacturer)C	ec. By S. 7. Wedler 2/16/7	3
Certificate of authorization Expires May 3, 1975	Certificate of Authorization No. N-4.	39
	CHARLES STORY CONTRACT CONTRACTOR OF THE PROPERTY OF THE PROPE	MANAGER OF THE PARTY OF THE PAR
CERTIFICATE OF SHOP I	NSPECTION	
VESSEL MADE BY Westinghouse Electric Corporation	Tampa, Florida	fit et e
I, the undersigned, holding a valid commission issued by the National Boar	d of Boiler and Pressure Vessel Inspectors and or the	11
and employed by Anderson and Sandana	would be the delan de historial and the second appropriate to the seco	nationals.
have inspected the pressure vessel described in this Manufacturer's Data Restate that to the best of my knowledge and belief, the Manufacturer has co		
Code, Section III.  By signing this criticate neither the Inspector nor his employer makes  By signing this criticate neither the Inspector nor his employer makes  asset described it this Manufacturer's Data Report, Furthermore, neither	any warranty, empressed or implied, concerning the pres the Inspector nor his employer shall be liable in any mo	8 F1600
m 2 18 173	- 1 . 0 /0/==	
2 1 2 7 Willers - Commissions	Mational Board, State, Province and No.	-
Inspector's Signature	National Board, State, Province and No.	DESCRIPTION OF THE PERSON NAMED IN
The state of the s	UR: V INSPECTION	
CERTIFICATE OF FIELD ASSE	MINET INSPECTION	State
I, the undersigned, holding a valid commission issued by the National Bos	nd of Boiler and Pressure vesses inspector and	
or Province of end employed by here compared the statements in this Manufacturer's Data Report with the		
THE STATE OF THE PERSON NAMED ASSOCIATION OF THE PERSON NAMED	to the second part of and age moied this present	0.75
been inspected by me and that to the best of my knowledge and belief the me set in accordance with the ASME Code, Section III. The described vesse	I was inspected and subjected to a hydrottatic test a	THE SEC
Progratic Test of perg Primary Side &	management and a sent of tentied, concerning the pre	ARWE
By eigning this certificate neither the Inspector nor his employer makes reseal described in this Manufacturer's Data Report. Furthermore, neither	the Inspector nor his employer shall be liable in any m	anner
for any personal injury or property damage or a loss of any kind drising from	or connected with this inspections	
Date		
Commission	National Board, State, Province and No.	-
Inspector's Signature	THE RESIDENCE OF THE PERSON NAMED AND PARTY OF THE PERSON NAMED AND PARTY.	

. Swner Vingin	in Electric of	ower Co	-	Dote December	a 18,1	990	
	ion Blue Gle		23060	Sheet/	of/		
	Arra Power S			Unit 2			
1.0. Bax 40	2 Mineral	11 23/17		Rok 90-	700 anization P	.O. No., Job No.,	etc.
. Work Performed	by Fluek Don	Name		Type Code Symbo		11	-
Daniel Bl	Ly, GREEN V. Address	1/e 5.6.2	9601	Authorization No.  Expiration Date			
	System Asactas						
. Identification of	Components Repaired	or Replaced and	Replacement Co	omponents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamper (Yes or No)
Co bben	Tayler	006	MA	2.455-3A	1989	Resour	N.
we bbar	Tayler	015	MA	2-RC-HSS-3A			
Description of Wo	or Replaced Son	ben beca	use of la	is of fluid f	KRSEUR		
Tests Conducted:	Hydrostatic ☐ P Other ☐ Pressure						
	V7.3						

Snubber o	was Replaced beto	Ke Rad fackag	ets Reports to be ettached as was afficial. OK	
addresse	I this diseaspers	ip. All work	was performed to	edt.
		CERTIFICATE OF COM		
ASME Code, Sec		in the report are correct i	and this Affect man conformation repair or replacement	ns to the rules of the
Type Code Symt	pol Sternp			
Certificate of Au	thorterion No. MA		Expiration Date A	
Signed Owner	or Owner's Designee, Title	ingh	Date Dec 19	19 90
(		RTIFICATE OF INSERV		
or Province of	//R.Go/N/A and	employed by //B/12	pard of Boiler and Pressure Vessel In 1971 1991 1991 1991 1991 1991 1991 199	J# 2 Co 0
			minations and taken corrective me	
Owner's Report	in accordance with the require	ments of the ASME Code	, Section XI.	
By signing th	is certificate neither the Inspi	ector nor his employer m	takes any warranty, expressed or in	nplied, concerning th
			ort. Furthermore, neither the Inspe e or a loss of any kind arising from	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT
11/6	0 1/1		110	
- State	Inspector's Signature	Commissions	National Board, State, Province,	and Endorsements
	Jan 1991			

	i Elactain La			Doto Becempt		9.90	
	ion Blud Gle		23.060_	Sheet	01		
Plant Napth	Pane Power St.	Lika	-	Unit 2		-	
10 Ber 40	2 Mineral VA	23117		ROR 90-20	1		
	240 01 9180			Repair Org		.O. No., Job No.,	etc.
	DV Flush Dome			Authorization No.			
Davial Bld	g GREEN VILL	e, 5.6. 29	601	Expiration Date			
	System Blacker						
. Identification of C	Components Repaired	or replaced and f	neplacement Co	mponents			ASME
Name of Component	Name of Menufacturer	Nanufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Stamper (Yes or No)
	Taylos	005	NA	2-AC-HSS-3C	19+9	Replaced	No
unbber							
	Toylor	0/4	MA	2-AC-HU-3C	19.89	Replacement	No
	Texton	0/4	MA	2-RC-HL3-3 C	19.89	deplocament.	No
Suebbek	Topland Son						No

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tion 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

Remarks A 2 17 6 C/635	
Soubbab was peplaced before Roll peckage was approved	ed. OR 90-142
addressed this discrepany. All work was furtan	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this A P active of ASME Code, Section XI.	informs to the rules of the
Type Code Symbol Stamp_V/A	
Certificate of Authorization No. 1914 Expiration Date 1/19	
100/11	******************************
Signed A. F. Hamil LEAD IST ENGINEER Date Dec 19	19_90
CERTIFICATE OF INSERVICE INSPECTION	
	ssel Inspectors and the State
that the d CT have inspected	the components described
in this Owner's Report during the period 17 Sept. 1880 to 3 cert 188	
to the best of my knowledge and belief, the Owner has performed examinations and taken correcti	ve measures described in thi
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	
examinations and corrective measures described in this Owner's Report. Furthermore, neither the shall be liable in any manner for any personal injury or property damage or a loss of any kind arising inspection.	The state of the s
M	
William Commissions 1955 Inspector's Signature Commissions National Board, State, Pro	ovince, and Endorsements

					THE PARTY NAMED IN		
1. CAMER Kingin	in Elastrica.	lower Co		Dove December	13/	999	
5000 Pamie	in Blud Gles	Allan, VA	13060	Sheet	ot/_		
2. Plant North A.				Unit 2			
	2 Mineral VA			As R 90-202	7	5 No. 145 No.	
	W Fluet Dance			Type Code Symbol			etc.
				Authorization .40.			
Daniel Bla	y. GREENVILL	e, S. C. E. 9	601	Expiration Date	IA.		
	system Reaston Co						
(b) Applicable Ed  6. Identification of C	Otion of Section XI U Components Repaired						
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Sternped (Yes or No)
Souther	Tayler	904	NA	2-RC-H55-110	1999	Replaced	No
Suu bben	Taylor	005	MA	2-Rs-H35-118	/909	Replacement	No
					persolated to		
7. Description of Wo	rx Replaced Sa	when bee	ance of las	s of fluid A	lessul	4	
8. Tests Conducted:	Hydrostatic Pressure						
	ental sheets in form o brough 6 on this repo			be used, provided (1 (3) each sheet is nur			

FORM NIS-2 (Back) 9. Remarks ASME Class 21 Applicable Manufacturer's Data Reports to be attached Sunther was replaced before Rok puckage was approved DR. 90-1426 addressed this dischaperey. All work was performed to code. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Applicance conforms to the rules of the repair or replacement ASME Code, Section X1. Type Code Symbol Stamp Expiration Date 248 Ergh Dore Par 13 19 90 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 or Province of Userian and employed by H.S.B. I +I Co.

About Send at have have inspected the components described in this Owner's Report during the period 2. Sept 1990 to 23 oct 1990, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI, By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report, Furtnermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any E. . arising from or connected with this 11 client of Link Commissions UA 5.5
Inspector's Bignature Commissions National Board, State, Province, and Endors ments Date 9 JAN 1991

	in Electrical	ewel Ca		Date Duckon	ber 12	1,1990	
5000 Dem	Lien Blud Go	len Allen, V	(423000	Sheet	01_/_		
	Anna Powal			Ur.It 2			
	102 Milka			Repair Org	03 anization P	.O. No., Job No.,	eto.
10 Box 4	D2 Min exal Address System Safety	VA 23/1	Z	Type Code Symbo Authorization No. Expiration Date	Stamp A		
5. (a) Applicable Co (b) Applicable Ed	nstruction Code 25	3 / 7 19	69 Edition, or Replacement	ts 19_ <del>P3_5P3</del>	Addenda Z	CPI, R3KQEIE	Code Car
			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)
		Serial No.	The state of the s		Built	or Replacement	or No)
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)

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 litems 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.

CERTIFICATE OF COMPLIANCE  We certify that the witer for made in the report are correct and this Action conforms to the rules of the ASME Code, Section XI.  Type Code Symbol Stamp Action Date Date Date Date Date Date Date Date		Applicable Manufacturer's Data Reports to be attached
We certify that the system ones made in the report are correct and this APPAR conforms to the rules of the ASME Code, Section XI.  Type Code Symbol Stamp A Expiration Date A Dat	-	
We certify that the system ones made in the report are correct and this APPAR conforms to the rules of the ASME Code, Section XI.  Type Code Symbol Stamp A Expiration Date A Dat		
We certify that the system ones made in the report are correct and this APPAR conforms to the rules of the ASME Code, Section XI.  Type Code Symbol Stamp A Expiration Date A Dat	****	
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inspector's signature National Board, State, Province, and Endorsements		
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	mike helykele	Inspector's Signature National Board, State, Province, and Endorsements

	in Electrice			Date Novembe		77.70	
5000 Doons	in Blad Gle.	Mar, VA	73060	Sheet o	1		
Plant North	Acra Power J	tation		Unit 2		-	
	2 Mineral V			RoR 90-20	9		
	ov Vingenia Elas		60	Type Code Symbol		O. No., Job No.,	etc.
		1-81116		Authorization No. 2	M		
	2 Min stol V		MANUFACTURE OF MANUFACTURE	Expiration Date	<i>[4]</i>		
Identification of S	system Feed wat	er					
Identification of C	Components Repaired	or Replaced and f	Replacement Co	mponents			
			National Board	Other	Year	Repaired, Replaced,	ASME Code Stamped (Yas
Name of Component	Name of Manufacturer	Manufacturer Serial No.	No.	Identification	Built	or Replacement	or No)
Component					Built	or Replacement	or No)
	Manufacturer			Identification	Built	or Replacement	or No)
Component	Manufacturer Southwest Fab	Serial No.	No.	Identification  2-FW-PPSP-15	Built	or Replacement	or No)
Component  A.A.  Description of Wo	Manufacturer  Southwest Fab	Serial No.	No.	Identification	Built 986	or Replacement	or No)

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tion 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

	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We ce	rtify that the statements made in the report are correct and this Report conforms to the rules of the
ASME Code, Se	ranul my santanament
Type Code Syml	rusi Stamp N/A
Liba code Okur	NO 010 110/2007
Cartificate of A	ithogization No. NA Expiration Date NA
Partitioate of Wr	motherion ret.
	or Owner's Designee, Title  Expiration Date Nov 78  1970
Signed Swner	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
or Province of L	
that s	Report during the period 29 SepT 1990 to 24 oct 1990, and state the
n this Owmer's	Report during the period of th
to the best of m	ly knowledge and belief, the Owner has performed examinations and taken corrective measures described in th
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 the
	d corrective measures described in this Owner's Report. Furt' armore, neither the Inspector nor his employe
	any manner for any personal injury or property damage or a loss of any kind arising from or connected with th
nspection.	
De	
Willen	2 Efective Commissions VA558
	Inspector's Signature Commissions VA 558  National Board, State, Province, and Endorsements
Date 28 N	1990

Owner Lingiois	Electain & Power	u Co		Date Novem ba	17,19	790	
5000 Domini	in Blud Gle.	Allen VA 2	3/4/	Sheet/ o	1		
Plant North A	New Yours Sta	Lien		Unit 2			
P.O. Box 402	Mineral, VA	23//7		RoR 90-2	10 nization P.	O. No., Job No.,	rto.
Work Performed by	Vingen in Elas	FRIE + Power	Co	Type Code Symbol Authorization No.		v/	
10. Box 402	Mineral, VA	23117		Expiration Date			
Identification of Sy	rstem Safety 1	rjustion					
(a) Applicable Cor	nstruction Code ASMA	19	68 Edition,	W 68 A	ddenda, ∠	MA	Code Cas
			National			Repaired,	ASME Code Stampe
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes
Component		Serial No.	Board		Built		(Yes
	Manufacturer	Serial No.	Board No.	Identification	Built	or Replacement	(Yes or No)
Component  A"Accumalated Tank  Description of Wo	Manufacturer	Serial No. 4/370-71-1	Board No. 1822	identification  2-58-TK-IA  we/2 # 5	Built	or Replacement	(Yes or No)

recorded at the tor or this form,

	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We certify that the statements of ASME Code, Section XI.	made in the report are correct and this ACPRIA conforms to the rules of the repair or replacement
Type Code Symbol Stamp	
Certificate of Authorization No. MA	Europasian Data AVA
Certificate of Authorization No. 272	expiration date 2 422
Signed Owner or Owner's Designee, Th	tie Expiration Date Nevember 7 19 90
The state of the s	CERTIFICATE OF INSERVICE INSPECTION
	ission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat
Province of Greenway	and employed by the The of Steem Boile on have inspected the components describe
or Province of Green Ct in this Owner's Report during the perio	and employed by the There Steem Reide of have inspected the components describe of 13 pct (880 to 23 oct 1980 , and state the
or Province of GIGG WCA Far. The C C t in this Owner's Report during the period to the best of my knowledge and belief,	and employed by the The Street Rocks on have inspected the components described and 13 pct (880 to 23 oct 1980 and state the the Owner has performed examinations and taken corrective measures described in this
or Province of Green CA  In this Owner's Report during the period to the best of my knowledge and belief, Owner's Report in accordance with the re	have inspected the components described of 13 oct 1880 to 23 oct 1980, and state the the Owner has performed examinations and taken corrective measures described in the equirements of the ASME Code, Section XI.
or Province of Green Control of the Period Control of the Period to the best of my knowledge and belief, Owner's Report in accordance with the real of the By signing this certificate neither the	have inspected the components described to 23 oct 1990, and state the the Owner has performed examinations and taken corrective measures described in this equirements of the ASME Code, Section XI.  Inspector nor his employer makes any warranty, expressed or implied, concerning the
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or Province of Green Control of the Device o	have inspected the components described of 13 p.c. 1880 to 23 p.c. 1980, and state the the Owner has performed examinations and taken corrective measures described in this equirements of the ASME Code, Section XI.  Inspector nor his employer makes any warranty, expressed or implied, concerning the escribed in this Owner's Report. Furthermore, neither the inspector nor his employer
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or Province of Grace Ct  in this Owner's Report during the period to the best of my knowledge and belief, Owner's Report in accordance with the reasurementations and corrective measures deshall be liable in any manner for any perionspection.	have inspected the components described of 13 pct (1860) to 23 pct 1960, and state that the Owner has performed examinations and taken corrective measures described in this equirements of the ASME Code, Section XI.  Inspector nor his employer makes any warranty, expressed or implied, concerning the escribed in this Owner's Report. Furthermore, neither the inspector nor his employer sonal injury or property damage or a loss of any kind arising from or connected with this Commissions.
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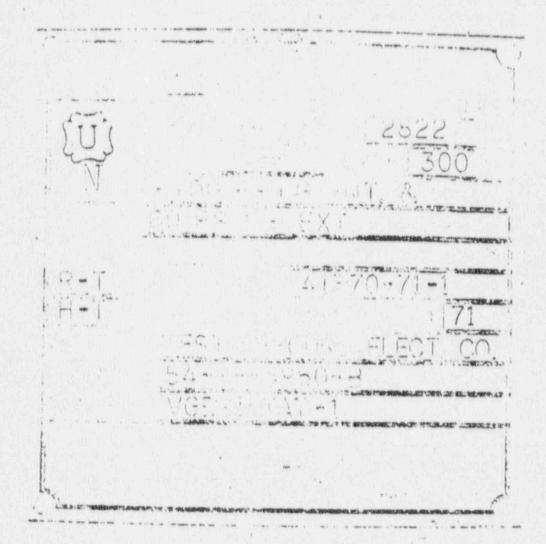
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Date

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ATTACHMENT III
Page 19 of 135
(49)
YGB-215
41370-71-1



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	in Electric & Name			Date December 10, 1990				
5000 For	MiriON Blod Address	Glan Allen	, VA 2300	Sheetof				
2. Plant North	Anne Powed	Station		Unit 2				
	402 Mining		/7	RAR 90-2	15 anization F	.O. No., Job No.,	atc	
3. Work Performed t	ov Vingicia El	lect Ricol	Care Co	Type Code Symbol				
	402 Min RRG			Authorization No.				
	System Resetal							
	dition of Section XI Uti				Addende_Z	P. 81, 83 (R) 113	Code Ca	
(b) Applicable co	Action of Section AT Oth	meed to: rispairs	Or Nepracement	3 10 A				
6. Identification of (	Components Repaired o	r 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)	
Volve	Vigginia laver	wid	NID	2-86-19	10 40	Replacement (Mulitication)	V.	
	107/2/2012	al afthen	7	.0.08.6.7	1.75	E PARKATIE R CANA		
				termine (comparing the				
7. Description of Wo	ork Installed co	on Vale	e because	e of diaph	negm	lenkoye	ere ecca denda	
3. Tests Conducted:	* Hydrostatic X Po	eumatic No	ominal Operatin	g Pressure				
	TEST PRESSURE							
NOTE: Supplem	ental sheets in form of brough 6 on this report	lists, sketches, c	or drawings may	be used, provided (1	size is B)			

F	0	R	M	N	18	2	(Bi	ick)	

	MATERIAL SPECIAL SPECI	be Manufacturer's Data Raports to be attached
****		
		TIFICATE OF COMPLIANCE
	the statements made in the	e report are correct and this <b>Resuctantia</b> conforms to the rules of the
ASME Code, Section XI.		repair or replacement
	1111	
Type Code Symbol Stamp	NI	
	11	/
Certificate of Authorizati	on No. Not	Expiration Date 24
1	011.1	Engl Date Dec 10 1890
Signed X	r's Designee, Title	Engl Date Dec 10 1990
owner or owne	r's Designee, Title	
ang municipal	*******	
	CERTIFIC	CATE OF INSERVICE INSPECTION
I, the undersigned, holdin	g a valid commission issued	d by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
		oved by 14 3 8 2 47 00
Hor + Sport	CT	have inspected the components describe
in this Owner's Report of	Juring the period 25 C	oct (780 to 1 NOV 1890 , and state th
		r has performed examinations and taken corrective measures described in th
		s of the ASME Code, Section XI,
		nor his employer makes any warranty, expressed or implied, concerning the
		this Owner's Report. Furthermore, neither the Inspector nor his employ
		y or property damage or a loss of any kind arising from or connected with the
inspection.	mer for any personal injury	y or property demays or a loss or any kind ansing from or connected with the
mapeotion.		
122 May	-1/1	Commissions X4558
worspropoly and the wat had not	tor's Signature	National Board, State, Province, and Endorsements
Inspec		

1. Owner V1191	in Electric	* Lower	Co	Date December	10	1990	
5000 Dom	inion Blud	Glen Alles	y VA 13000	Sheet	ot		
2. Plant Nouth	Arra Power	Station		Unit 2			
	402 Minier		As A 90.	7/6 anization F	P.O. No., Job No.,	etc.	
3. Work Performed b	Vinginia E	lectains!	Type Code Symbo Authorization No.				
	402 Minara		Authorization No.	NA			
	Address			Expiration Date 2	1		
4. Identification of S	voiem Afacter	Coolars			-		
	ition of Section XI Ut						
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)
Volve	Vinginia lower	NA	NA	2-86-52	1990	Replacement (Mudification)	No
				1			
	*Hydrostatic & Pr	neumatic N	ominal Operation	g Pressure	ag m	leakage	
	Other Pressure						
	* TEST PRESSUR	E CHARACT	TILY TOUR	BANGO MARIONI			

		F	FORM NIS-2 (Ba	ick)	
Remari	s Marufacti	and by V	stalled communications De	ay or Kenatest ets Reports to be attached well	value. Cof
ASME	We certify that the s		FICATE OF COM	PLIANCE and this Aspletement co	nforms to the rules of the
	Code Symbol Stamp Addicate of Authorization N	· Alf	Engl	Expiration Date NA	, 19_90
7				ICE INSPECTION	
I, the	undersigned, holding a vovince of 1000 mg in	alld commission issued	by the National B	oard of Boiler and Pressure Ver B T + T CO have Inspected to NOV /	ssel Inspectors and the State
to the		and belief, the Owner	r has performed ex	aminations and taken corrective	
e xam shall	y signing this certificate inations and corrective	neither the Inspector measures described in	nor his employer this Owner's Rep	makes any warranty, expressed ort. Furthermore, neither the ige or a loss of any kind arising	Inspector nor his employe

Date 27 Dec 19 599

. Owner Vigginia	à Elactdie a Pau	er Co		Date November 7, 1990					
The second secon	is in Blud G		23060	Sheet/of/					
	Arma Power St			Unit Z					
	2 Mineral, V			RoR 90-12 Repair Orga	2 anization P	.O. No., Job No.,	etc.		
Work Performed b	or Viaginia Elaci	this & Power	4	Type Code Symbol	Stamp A				
	2 Mineral, VA			Authorization No., Expiration Date	Control of the Contro				
	Address System Recited								
Identification of C	Components Repaired	or Replaced and I	Replacement Co	rnponents					
Name of	Name of	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
Component	Manufacturer	The state of the	Land to the second						
Component	Southwest Fah	0294	МА	2-RC-PA-None	1974	Repaired	No		
		0294	МА	2-RC-PA-None	1974	Repaired	No		
Component									

recorded at the top of this form.

	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE .
W	e certify that the statements made in the report are correct and this ARP 91% conforms to the rules of the
ASME Code	, Section XI. repair or replacement
Type Code	Symbol Stamp N/A
	(B)
Certificate (	f Authorization No. N/A Expiration Date N/A
	Authorization No. N/A  Expiration Date N/A  Expiration Date N/A  Date November 7 19 90
Signed Z	and Marke ENSA DOLO NOVEMBOR 7 19 90
//0	wner or Owner's Designee, Title
7	
	CERTIFICATE OF INSERVICE INSPECTION
I, the unde	signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	of UIRGINIA and employed by HATFORD STAM BOILER I FI CO O
14 W/n 1	for all at have inspected the components described
in this Ow	her's Report during the period 17 oct 1990 to Nov 7 1990, and state that
	or my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	port in accordance with the requirements of the ASME Code, Section XI,
	ng this certificate neither the Inspector nor his employer makes any werranty, 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 mannor for any personal injury or property damage or a loss of any kind arising from or connected with thi
inspection.	one in any maintai for any personal injury or property damage or a loss or any kind arising from or connected with the
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ATTACHMENT III Page 23 of 135

## APPENDIX C"

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(n) Shop	poswes No.	RC Pip	ing Cold Legs,	Ser. No. 0	294 Reld. Co., Inc.
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ATTACHMENT III
Page 24 of 135

USA Soundard \$21.7, Nuclear Power Piping

FORM NE 1 (seems)

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* Hartford Steam Boiler Inspection & Insurance Company,
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Vessel learners - 1/
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this piping is accordance with the applicable specious of the USAS HALL THE CASE CONSTRUCT
this piping is accordance with the applicable sections of the USAS Bil. 7 Code for Nuclear Pos
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By signing this certificate, neither the Inspector nor his employer makes any warrancy, expressed
kind arising from or connected with this inspection.
Deac 5-13-74 10
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R.D. Golden Commissions Texas 16
10. Descripcion of Field Erection and Inspection
(a) Mark No. 100
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Commence of the commence of th
(b) Field Hydrosextic Test
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CERTIFICATE OF FIELD ASSEMBLY INSPECTION
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on the control of the applicable sections of the USAS-B31.7 Code for Nucleus Power Piping. The
we will be liable in any manner for any personal injury or property damage or a loan of any
we see that the applicable nections of the USAS-B31.7 Code for Nucleus Power Piping. The monthly signing this certificate neither the Inspector nor his employer makes any warranty, expressed or employer shall be liable in any manner for any personal injury or property damage or a loss of any indicating from or commerced with this inspection.

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e 102322

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

	in Electric & Nome			Date May 25, 1990  Sheet 01 1					
	Anna Power S			Unit 2					
	2 Mir en l, VA			Adm 9.9. Rak	90-c	O. No. John	90.80		
	or Viegioin Ela		a Co.	Type Code Symbol	Stamp	MIA			
	Mireral, UA		Authorization No Expiration Date						
	System Accia cul		• 4						
Identification of (	Components Repaired of	or Replaced and F	Replacement Co	omponents					
Name of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
Component	Manufacturer	Serial No.	No.	Identification	Built				
2 llows	Pathway Ballows	6-1-4291-	MA	2-R5-MET-1A	78	Replaced	No		
ellows	Pathway Dellows	42-4928	MA	2- RS-MET-1A	90	Replacement Replace	No		
11/001	MONTHUM.	David Maria	MA	2.R5MEJ-1A	MA	Studia Nuts	No		
ellows			MA	2-R5-MET-1A	MA	Stude Wets	No		
			T . /	and Studs		1/ /			
	1 ./ 1				- 1				

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

lemarks ASME Class 2
Replaced 24 7/8'x 9 x 5" studs ASTM A-193 GRB7
48 7/8" x 9 Nots ASME SA-194 GAZH
CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this Assacration VI.
Type Code Symbol Stamp_MA
Signed Owner or Owner's Designee, Title Expiration Date May 25 , 19 90
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S or Province of VIRGINIA and employed by MACTFOCK STORM BOILER TECO.
HART 6. d OT have inspected the components description this Owner's Report during the period $1-12-90$ to $1-13-90$ and state
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in 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 examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employers 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.
William F John Commissions VA 5 5 8 Inspector's Signature Commissions National Board, State, Province, and Endorsemen
Date 25 1011 1990

ATTACHMENT III Page 25 of 135 Side 1 of 2

### FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

						0.00, 000100	TITLE DIFISION		
Manufactured	d and certified t	PATHWA	Y BELLOW	S, INC.		KLIN RD.	OAK RIDGE	, TN 37	830
Manufactured	ior VIRGIN	IA ELECTRI	C & POWE	R CO. NOF		1&2 PO BO	X 402 MINE	RAL VA	23117
Location of in	nstallation_VI	RGINIA E	LECTRIC	& POWER	No. of Concession, Name of Street, Str	CONTRACTOR DESCRIPTION OF THE PARTY OF THE P	POWER S	TATION	
Type Unk	CDOWN IMMIC WING	(404)	U2-492	7		B=1=3568	Rev. A	10 to 40	1990
									JRE VESSEL CO
The design, co	enstruction, and	work manship o	onform to ASI	ME Rules, Sec	tion VIII, Divi	ion 1	1986	AND PRESSI	JRE VESSEL CO:
to the residence of the same of	1988		1   77 - 9			None			
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8-13 incl. to	be completed	for single wall ve	ssels, Jackets o	f jacketed ves	sels, or shells o	heat exchange			
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### Form U-2 (Back)

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to the ASME Code for Pressure Vessels, Section VIII, Division 1. SEE REMAR		and the same and the same and the same and		
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ATTACHMENT III Page 27 of 135 Side 1 of 2

## FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

		PATHW	AY BELLOWS	. INC.	115 FRANK	LIN RD.	OAK RIDG		
1. Manufactured	and contilled t	T SERVICE AND ADDRESS OF THE PARTY OF THE PA	****	NAME AND ADDRESS OF THE OWNER, WHEN PARTY OF T				E, TN 37	830
2. Manufactured	tor WIRGIN	IA ELECTR	IC & POWER	CO. NOR	TH ANNA I	62 PO BOT	X 402 MINE	RAT VA	22112
					111 Brits 2100 BUG-112	D. DINISPAREN			2
3. Location of in	istal ation VI	COINIA E	LECTRIC	a POWER	THE RESERVE OF THE PARTY OF THE	TH ANNA	POWER S	TATION	
4. Type Unk	nown		U2-4928						
	Improcountry.	414	(Milgr.) series his or	Yart.	ICRNI D	(Disense fee )	Rev. A	Bit No	1990
5. The chamical a	and physical pr	operties of all o	ATTS TORREST STATES						AE VESSEL CO:
The design, co	nstruction, and	workmanship	conform to ASN	AE Rules Sect	material specif	ications of the	ASME BOILER	AND PRESS	AE VESSEL CO:
						911		' W'	
Management Assessment Assessment	1988	-	1 1 7 7 - 9		***	None			
		DAMULIAU B					DRIEL MUNICIPAL DE LO		
6. (a) Drawing p	repared by	ENIDANI D	LLLUWS, II	10	b) Description	of part inspec	ted 10" NON	1. DIA. EX	(PANSION JO
Z. FURNWEIG NEET	treetment: Te	T) D.		F T	me	Α			
Items 8-13 incl. to	de completed	or single wall v	essels, jackets o	f jacketed vess	els, or shells of	heat exchange	ra		
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9. Seams:					u tanta				
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D. Heads: (a) Mat	tl.				(b) Mat		Ing. Las Buttl	or Fuel	
			ec. Na. Grada)	***************************************			130	pers. M.a., Grapher	
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	Thicaness	Allowange	Radius	Radius	Ratio	Aper Angle	Ragius	Diameter	(Convex or Concare
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(a)	alts used (dasc	ribe other fester	nings)		Proof Tes	(Mati. Saes No.	Gr. Sace No. 2		Teoret St Carrier
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(b)  If removeble, b  I. Type of Jacket  Jacket Closure  If boited, descr.  MAWP  Hydro, pneu., it ems 1d and 15 to b	olts used (dasc ibe or sketch, or comb test p	(Describe st open	e mile, ber. tit. I		Proof Test bar, give aime	(Mail. Saes No. f	G1 , Sect. 740 2		
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(a)  If removeble, b  If removeble, b  I. Type of Jacket  Z. Jacket Closure  If bolted, descr  Jacket Closure  If bolted, descr  MAWP  Hydro, pneu., i  ems 1d and 15 to b  Tubesheets:  I. Tubes  Ems 16-18 incl. to  Shell:  J. Seems:	De or sketch.  or comb test poe completed for strong Mail 13pp  Ma	(Describe st open  (Describe st open  DSI at m  ress.  or tube sections  on he, Gr.)  e. Ne., Gross  or inner chamb  in.)	Diam (in) (Senior)  Diam (in) (Senior)  Pall En.	O.O. int.)  O.O. int.)  Vessels or chan  Cart.	Proof Tes  t bar, give dire  op,  nem The in  nels of heat exc	Min. design me  psi.  Nam. The (in or pa	Cert Allem (IA.)  Cort Allem (IA.)  Cort Allem (IA.)  Allem (IA.)  (See Allem (IA.)	R. T. (Spec, Pare Full)	Artack, (Mid., Societi)  Artack,  Type (resign) or U")  Title (resign) or U")  Side to Pressure
(a)  If removeble, b  If removeble, b  I. Type of Jacket  Z. Jacket Closure  If boited, descr  J. MAWP  Hydro., pneu., i  ems 1d and 15 to b  I. Tubesheets:  Ems 16-18 incl. to  Shell:  Location (Top.)	De or sketch.  or comb test poe completed for string Mail 120  Mail 1300, Mail 130  Mail 1300, Mail 130  Lang 1978, Doc. Sauti	(Describe steps:  (Describe steps:  DSI at m  Fest:  Or tube sections  is No. Great  Or inner chamb  is no. German	Diem, (m.) Subsect  Diem, (m.) Subsect  Diem, (m.) Subsect  Part of Jacketed  Neen, The, (m.)  Full!  EM.	O.O. (in.)  Vessels or chan  Car.  Knyckie	Proof Tes  f bar, give dime  op.  Nem That is  nels of heat exc  Allew (sa.)  (b) Met!	Min. design me  Min. design me  psi.  Nam. The (in. or pa	Gr. Sect No.)  Ger. Attent (IA.)  Gort Attent (IA.)  Gort Attent (IA.)  Anthropia (IA.)  Grant (IVIII Ob).  Grant (IVIII Ob).  (So	R.T. (Spot. Paras) Folia	Artack (Mid., Socres)  Artack  Trom (remail) (f( & in.))  Mail No. at Cours
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### Form U-2 (Back)

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Supports: Ski	rt	No: Lugs	Legs	Other_	(Describe)	Artached	(Where week high	e :
Remarks T	HIS UN	IT WAS H	YDRO TESTE	DAT 270 PSIG	AT AMBIENT	TEMPERATURE.		
**!	MPACT	TEST EXE	MPTION PER	UHA-51 AND U	G20(F).			
SI	EE MAN	UFACTURE	R'S DATA R	EPORT SUPPLEM	ENTARY SHEET	FOR U2-4928.		
	ATHWAY	BELLOWS	, INC. IS	RESPONSTBLE E	FOR THE DEST	GN OF THESE UN	ITS.	
P				S ELEMENT COV	ERS MATERIAL	LS AND WOR MANS	HIP ONLY.	
4.7	MSPECT ODE CA	SE 11//-	NAME AND ADDRESS OF THE OWNER, WHEN					
4 7		SE 11//-	THE RESERVE OF THE PROPERTY OF	CERTIFICATE OF S	HOP COMPLIANC	F		
C	ODE CA	emants made		CEF I	details of material	E I, construction, and work	emenship of this	vessel confa
We certify the	t the state	emants made	in this report as	re correct and that all			smanship of this s	vessei conta
We certify that	t the state	ements made	. Section VIII, D	re correct and that all lylsion 1. SEE I	details of material		emanahip of this s	essel confo
We certify the to the ASME C	t the state	ements made	13,548	re correct and that all livision 1. SEE I	I details of material REMARKS*	SEPTEMBER 8	IA MOV ESSA ATS (3T 4)	, 19
We certify that to the ASME C. "U" Cortificate Date / -/2 -	t the state ode for Proof of Author	ements made essure Vesseli rization No	na PATHWA	Y BELLOWS, IN MANAGEMENT OF STREET	I details of material REMARKS*  expires NC . Significant Stock Shop INSPECTION and of Boiler and Property of Stock Shop Inspection of Stock Shop I	SEPTEMBER 8	A BACTOR	19_
Ne certify their the to the ASME C.  'U' Cortificate Date / 1/2 -	ode for Prod Autho	ements made assure Vessels rization No	n. Section VIII, D 13,548 ne PATHWA ommission issued	VI BELLOWS, IN (Manufacturer)  CERTIFICATE OF STATE by the National Board by H.S.	I details of material REMARKS*  SHOP INSPECTION and of Boiler and Property of B.I.&I. CO.	SEPTEMBER 8 ned Zarana SEE REMARKS	A BACTOR	or Province
Ve certify their or the ASME C.  "U" Cortificate Date / "/2" - "  , the undersig T.  HARTFOR	ode for Production of Authorities of	ements made essure Vesseli rization No	parties of my knows to best of my knows to my line pest of my knows to my knows to my knows to best of my knows to be my knows	V BELLOWS, IN MANUSCREET  CERTIFICATE OF STATE O	I details of material REMARKS*  SEMARKS*  SEMA	SEPTEMBER 8  SEE REMARKS  ressure Vessel Inspectors  or's Partial Data Report of	A and/or the State	or Province
We certify the to the ASME C.  "U" Cortificate Date / 1/2 -  I, the undersig T  of HARTFOR  19 90  end Pressure V	ode for Prod Authorities  ned, hold ENNESS D, CT  assel Code	ements made assure Vesseli rization No	partition VIII, Dispected the pre- inspected the pr	Y BELLOWS, IN MANUFACTURED IN	I details of material REMARKS*  SEMARKS*  SEMA	SEPTEMBER 8  phed SEE REMARKS  ressure Vessel Inspectors	and/or the State  and/or the State  A A A A A A A A A A A A A A A A A A A	or Province

ATTAC!MENT III Page 28 of 135 Side 1 of 2

## FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

April	ASSESSMENT TO STREET STREET, STREET				ATTENDED ON THE PERSON AND THE PERSO			A LILL POLETRIBLE	1	
1.	Manufactured	and certified t	PATHWA	Y BELLOW	S, INC.	115 FRAN	LIN RD.	OAK RIDGE	, TN 378	30
2.	Manufactured	tor VIRGIN	IA ELECTRI	C & POWE	R CO. NOR	TH ANNA	62 PO BO		RAL VA 2	3117
			RGINIA E			THE STATE STATE AND STATE	al purchaser)			
				DECINED	GLONEK	THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.	T D SASANA	LONEK 21	MITON	
4.	Type Unk	nown		U2-492	9	E	3-1-3568	Rev. A		193
										10.2
5.	The chamical a	and physical pr	operties of all pe	irts meet the r	equirements of	material specif	fications of the	ASME BOILER	AND PRESSU	RE VESSEL
	ine sesion, co	natrustien, and	d work manship c	enform to As	ME Rules, Sect	ion VIII, Divis	on 1	1986	14:	entropies de Santonios
	Application of the second seco	988	Personal Management on the	1177-9 Cotto Case No.			None			
			DATUULU DE		110			Species service per UG 120		
6.	(a) Drawing p	repared by	PATHWAY BE	LLOWS, I	30.	b) Description	of part inspec	ited 10" NOM	. DIA. EX	PANSION J
			for single wall ve							
	Shell:			****			neat exchange	in .		
		Met Some No.	G/eds)	Nam. Tha us	N.) Gerr	Allow UR.I	D-sm	I.D. (H. & In).	40	PUN I GREEN THE COLD IN .
à.	Seams:	hand mid Day.	R.T. (Spari	w.Fu(1) EH	(%) H.T. Ter	ng ('F) Tim		Girth Mild Obl.	R. T. 15201 (M	
3.	Heads: (a) Mar	Snot, Lea, Burtl						Sme., Lee, Butt)	pr f , qr	148. No ol Con
	-		15.04	No Grader		(b) Mai		153	No. No. Grades	************
	Battam Ends)	Minimum Thickness	Corrollan Allaw enge	Grown Radius	Knuckly Radius	Elliprical Ratio	Contrast Ages stringse	Hemispherical Radius	Flax Diameter	School fright (Convert Concest
3)								-		
0)										
2.	Type of Jacket Jacket Closure If bolted, descr	be or sketch.	(Describe as organ &	word ber stol)			ensions			
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			or tube sections				ONTHIAL BY A ! -			
	Tuberhears:	Turisham Nati (Si	see, No. Gr.)	Diam (in 1) Subser	1 të gretavrei	Non The	-	-	-	
		Francis Naci Can		MINISTER PROPERTY THE PARTY OF THE PARTY.				Corr Allow (us.)		Artisen (Wild. Boiles)
			os de uni	Diam. (	14.7	Non The I	IN. 1	Cert. Attem (IA)		Anson
	Tubes	Mad. ISO	ms. No. , Grader	-	0.0 (m.)	*********************	Nom. This in or s	BC (B) N	4.	Type (ettaight or 'U')
m	16-18 incl to	ha compland	for inner chambe	er of lankaman	lungeals or about					
	Shall					ineis or near ex	conangers			
		Matt. (Spec. No.,	Gr.1	Non. This. in.	.) Corr	Allew (m.)	Diem	I.D. (ft & st.)	5.0	ngth taxerall (It & in.)
H	Seams:	Lang (Mid Dat	R.T. (Spa) or	form for	-	-	-		***************************************	
		Sour Lan Butti		411	I. (%) H.T. Tan	na. (*F) Tue	•	Girth (Wid Db) . Singl, Lan. Burt)	R.T. (Spen, Par or Full)	trat. No. et Cour
	Heads: (a) Mati	-	(Spe	s. No., Green		(b) Mat	1.	(30	es. No., Grade)	
	Location (Too.	Minimum	Carrosan	Crawn	Knuckie	Elliptical	Conical	Hem constrict	FIN	Side to Pressure
-	Battam Endi)	Thickness	Allowance	Ratios	Radius	Ravo	Acc a Angle	Radius	D-ameter	(Convex or Concere
a)	*********									
er raice	I same				-			1		
	ii removable, bo	orts used (desc	ribe other festen	ings)	-		(Mark., Spec. No.	Grade, Sece. No. 1		***************************************
								The second secon		

ATTACHMENT III Page 28 of 135 Side 2 of 2

ms below to be MAWP	complete 18	d for all vessel	s where applicab - psi at max, tem	260	14 M.M.	design metal tumb	Side 2 of 2	
HVdro pneu			270			1		
Nozzles, Insp	ect on an	d Safety Valve	Dognings					
						***************************************		
Paraese mas, Dumas, Drawk are r	No	Diam or Sula	Tros	Matt	Nom. Tris	Reinforcement Alex	From: Arranza	Louise
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	*******			Other.		_		
P	ATHWAY MSPECT	BELLOWS	, INC. IS	RESPONSIBLE	FOR THE DESI	FOR U2-4929. GN OF THESE UN LS AND WORKMANS		
			***			Military was a substitution where the substitute of	-	-
				CERTIFICATE OF	SHOP COMPLIANC	8		
to the ASME C	ode for Pr		13,548	AY BELLOWS, I	II details of materia REMARKS*  expires  NC . SI	SEPTEMBER 8	E Weete	essel conf
	en de el como de actualista	******		(Many acture)			(Mage that red (N/A)	
				CERTIFICATE OF	ALCOHOLOGICAL TOTAL STATE			
I, the undersign	ENNESS	ing a valid ci		u c	P.I.&I. CO.	ressure Vessel Inspectors	end/or the State	or Provinc
HARTFOR	With the Sandard Code Constitution		end empl	0 7 90 0 7 33344444		er's Partial Ders. Report o	VANUA	nes 1
19 90	THE RESIDENCE OF THE PARTY OF T	enconcrement     0 / 0	The second secon	CANADA CONTRACTOR OF THE PARTY		constructed this part in a	1 common bill and angle drawle and bill on the spirit	traffic makes
and Pressure V						ector nor his employer r		
implied, concer	ning the	part described	in this Menufa	cturers Partial Dage	Report. Furthermor	e, neither the inspector	nor his employer st	nall be liab
any manner for	eny port	onal injury or	Property damage	But sue of seal a Jo o	Misias from pr con	nected with this inspecti	97 33 1/2	11/1
0410	Walt II	7/2/	ZZ Signed	( Luckery	of intercerer	Commissions Nation	10 2 3 U/4	119, Prat. and No

5000 Dom	in ion Blud 6	Elen Allen, s	VA 23060	Sheet	01_/		
Plant Nort's	Anna Power St.	tien		Unit 2			
P.O. Box 402	Micenal VA 23	3//7		Alm 99 Rok	90-00	06 B. V Page	90.2
Work Performed	by Vinginin Elec	tais four	Co	Type Code Symbol			
	Mineral, VA	1481118		Authorization No  Expiration Date	4.5	3	
	System Recincula						
	onstruction Code A 3			70	Addenda Z	P 81(R) 115	Code Ca
	dition of Section XI Uti						
Identification of	Components Repaired o	r Replaced and R	leplacement Co	mponents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamper (Yes or No)
	P 11 P 11	C-1-4291-42-	MA	2. R.S. MET-18	78	Replaced	No
Pellows	Pethway Bellows	The state of the s	the state of the s	make make the state of the second state of the			
			MA	2.R5-M27-18	90	Replacement	No
Rellows ellows	Pathway Ballows					Replacement Replaced Studio Nuts	No No
ellows			MA	2-R3-M27-1B	40 NA	Replacement Studio Nuts Replacement Studio Nuts	a formation

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

Remarks FISME Class 2	
24 78' x 9 x 5' studs ASTM A-193 B7	
48 7/8" x9 Nuts ASME SA194 GR. 2H	- Labor to
4-2 Form AHacked	
CERTIFICATE OF COMPLIANCE	agi aratema
We certify that the statements made in the report are correct and this Asplacement conforms to the rules of the ASME Code, Section XI.	10
Type Code Symbol Stamp_N/A	
Contificate of Authorization No. NA Expiration Date MA	
Signed Signed Eagle Date May 23 10 %	-
CORTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Bglier and Pressure Vessel Inspectors and the Sor Province of State of the Commission issued by the National Board of Bglier and Pressure Vessel Inspectors and the Sor Province of State	of
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in	
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 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.	oye
Commissions UA 53 8 Inspector's Signature Commissions National Board, State, Province, and Endorsemen	18
Date 17 Perc 1890	

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# FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOLER AND PRESSURE VESSEL The design, construction, and work mansh to conform to ASME Rules, Section VIII, Division 1 1986  1177-9 None  Assessation: The design, construction, and work mansh to conform to ASME Rules, Section VIII, Division 1 1986  1177-9 None  Assessation: The ASME BOLER AND PRESSURE VESSEL  1988 1177-9 None  See a service Tight  1988 1177-9 None  Assessation: None  1988 1177-9 None  Assessation: None  1988 1177-9 None  PATHWAY BELLOWS, INC. (bit Description of part inspected JO' NOM, DIA, EXPANSION  Posterial heat treatment: Tamp.  N/A  36-13 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shalls of heat exchangers  36-43 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shalls of heat exchangers  36-43 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shalls of heat exchangers  36-43 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shalls of heat exchangers  36-43 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shalls of heat exchangers  36-43 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shalls of heat exchangers  36-43 incl. to be completed for shall be shal	The Print Control of the Control of				210112 01 (110 %	DITIE WOOD !!	oles, section	VIII, Division	1	
Manufacturing for VIRGINIA ELECTRIC 6 POWER CO. NORTH ANNA 162 PO BOX 402 MINERAL VA 23117  Location of Installation VIRGINIA ELECTRIC 6 POWER CO. NORTH ANNA POWER STATION  Type Unknown  102-4927	Manufactured	and certified b	y PATHW	AY BELLOV	VS, INC.	115 FRAN	KLIN RD.	OAK RIDG	E, TN 37	830
Type Unknown U2-4927 ————————————————————————————————————	Manufactured	tor VIRGIN	A ELECTR	IC & POWE	ER CO. NOR	TH ANNA	162 PO BO	X 402 MINE	RAL VA	23117
Type UNKNOWN U2-6927	Location of in	stallation VII	RGINIA E	LECTRIC	& POWER	WHEN AND PARTY PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PAR	THE RESIDENCE OF THE PARTY OF T	POWER S	TATION	
1988 177-9 None  Seators was  Some service of the control of SME Rules, Section VIII, Division 1 1986  Anne Seators was  Some service of the control of the	Type Unk	INOWN	ana)	U2-492	7 at Pesti			Rev. A		1990
Section   Parameter   Personal Content   Parameter	The chemical The design, co	and physical pro- instruction, and	operties of all p	erts meet the	requirements of SME Rules, Sect	material speci	fications of the	ASME BOILER	AND PRESS	URE VESSEL COD
(a) Drawing prepared by PATHWAY BELLOWS, INC. (b) Description of part inspected 10 <sup>-11</sup> NOM. DIA, EXPANSION Postsveld has treatment training. N.A. 9F Time N/A 156-13 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shalls of heat exchangers.  Seams: New York Comments of Jackets Now York Comments of Jackets of Jacketed vessels, or shalls of heat exchangers.  Seams: Low, Inc. Sou. 6.1. Seams Nov. 16 (N) 11.1 Incl. 15 Time Cont. 10.10 July 20. 1.1 Seams Nov. 16 July 20. 2. 1.1 July 20. 1.1		1988	-				None			
### ### ### #### #####################										
Shell:  Med Date Completed for single well vessels, jackets of jacketed vessels, or shells of heat exchangers  Shell:  Med Date No. (Mats)  No. The Usb. Con Area Usb.  Seams:  Loss med Date.  A.C. (Special Part)  Loss med Date.  A.C. (Special Part)  Med St. (Special Par	(a) Drawing p Postweld hear	repared by treatment: Ter	PATHWAY B	ELLOWS.	INC.	(b) Descriptio	n of part inspec	10" NOM	. DIA. E	XPANSION JOI
Search Se	11 8-13 incl. to	he completed t	be a locate with a		The second secon	ITTO MANAGEMENT AND				
Seams:    Long line, Dec.   Apr.   Colors   Colo	Shall:	an earnpresed t	or amy e war v	esseis, jackets	or jacketed vess	els, or shells o	f heat exchange	71		
Line, mic. Dok.  See, List Sett.  (a) Mart.  (b) Mart.  (c) Mart.	phell; memoran	Met (Spec. No.;	) rade)	Nam. Ths.	(in.) Corr	Automic (in),)	Dram	1.D (ft & in).		engen rate):(ft & vs.)
Heads: (a) Matt. See: No. Steel Stee	Ssams:	Lane Way Shi	-		-					
Section (Eg) Matt. (See, No. Creat Corner Reduct (a) Matt. (D) Mat			n. t. (\$aa)	or Full!	H. (%) H.T. T#	ma (F) Tie				
Sees to Common   Co	Heads: (a) Ma	t I.	Name and Advanced			(b) ht-		- C40 BOTH	se Full	
Description (Fab. Minimum Allgering Careno Reside Reside Reside April Concess Service Service Reside Reside April Concess Service Careno Reside Reside April Concess Service Careno Careno Careno Reside Reside April Careno Caren	P. et		(Sa	es. No.; Gradal		(D) Ma	().	151	Mr. No. Gradel	-
If removable, boils used (describe other fastenings)								Hemisonerical	Fiat	Side la Pressure
Type of Jack et									With the same of t	(CONTRACT CONCATE)
Type of Jack et							-	-		15 mm km;
If bolted, describe or skietch.  MAWP	Type of Jacket			nings)		Proof Te				
If bolted, describe or sketch.  MAWP	Jackin Closure	-			-	f bar, give dim	ensions			
Tubernests:    Summary Mail (Specific Gr.)   Dum. (in.) (Supert to streams)   Mark The. (in.)   Carr. Allew (in.)   Arise. (Mid. Batte.)	If boited, descr	ibe or sketch.	(Describe ex ogus	de wreld, bar, eng.)						
Tubernests:    Summary Mail (Specific Gr.)   Dum. (in.) (Supert to streams)   Mark The. (in.)   Carr. Allew (in.)   Arise. (Mid. Batte.)										
Tubeshapes:    Second Note: Island Note: Isl	Hydro. pneu.	or comb test o	race Par dict	iax. temp.		CONTRACTOR A P.	Min, design me	tal temp.	-	°F at ps
Tubeshapers:    Consequence National Specifies (Consequence of Services)   Mach Tok. (m.)   Corr. Allere (in.)   Artach. (Mid. Batter final Mach (Specifies (Gran))   Own. (in.)   Norm. Tok. (in.)   Corr. Allere (in.)   Artach. (Mid. Batter)	Id and IS to I	ha complained to	des monnesses		-		Pil.			
Squarary Mail, (Spec, No., Gr.)  Dum, (in.) (Spec, No., Gr.)  Dum, (in.) (Spec, No., Gr.)  Dum, (in.) (Spec, No., Gr.)  Mail. (Spec, No., Grass.)  Dum, (in.)			r tube sections							
Tubes:	Tuberneers:	Stationery Matt. (Sou	M. No. Gr.)	Dum (in.)(Subje	MET (0 GTEVEWER)	Hars The.	(A)	Carr. Allew (inc.)		Artaoh (Wid_Borred)
Had. (Spec. No., Grab.)  16-18 incl. to be completed for inner chamber to Fjack sted vessels or channels of heat exchangers  Shell:  Mad. (Spec. No., Gr.)  Nom. Thx. (III)  Carr. Alio: (III)  Diam. 1.0. (II & III)  Langth (Dist. F. (Spec. Finish. No. of Full)  Eth. (III)  H.T. Temp. (FF)  Time  Ginh (Mid. Dist. R.T. (Spec. Finish. No. of Full)  Shell.  (ISpec. No., Grab.)  (ISpec. No., Grab.)  Location (Top. Minimum Carriston Crown Knuckin Elliptical Apex Angle Radius Gameter (Convex or Carriston)  Ratio Apex Angle Radius Gameter (Convex or Carriston)  Finishness Allowance Radius Radius Ratio Apex Angle Radius Gameter (Convex or Carriston)  Finishness Allowance Radius Radius Ratio Apex Angle Radius Gameter (Convex or Carriston)	(****	Floating Matt. (Scool	L No., Gr.)	Own	(105,1)	Nom. TXL	100,7	Carl Allen (in)		A CLASA.
To amovable, botts used (describe @ prer fastenings)  Med. (spec. h.s., Gr.)  Nem. This. (iv)  Corr. Aire. (in.)  Corr. Aire. (in.)  Corr. Aire. (in.)  Diam. 1.D. (ft & in.)  Langer (osersit) (ft & in.)  Langer (osersit	Tuqes:	Wart. (Spe	s. No.; Gradu,		Q.Q. (sn.)		Norm, This, (in. or gos	(p)		Type (ettaigns or "U")
Mark (spec h s. Gr.)  Nam This (iii) Carr Align (ini.) Diam (1.0. (fi & ini.) Length (astrict) (fi & ini.)  Long (rink, Dos.		be completed f	or inner chamb	er t of jack tre	d vessels or char	nels of heat e	xchangers			
Lone third, Doc. F. (Spec so Full) EH. (%) H.T. Temp. (°F) Time Girls (Mid. Doc. R.T. (Spec Forum Are of Full)  Hecds: (a) Watt.  (Spec No. Green)  (Spec No	311411	Mark (Spec. h s. C	(1.1	Nam. TNL (	Carr.	Ale: (in.)	Diam.	I.Q. (ft & in.)		angen (aserwi) (f) & in.)
(Spec No. Green)  (Spec No. Gr	Saams:		P.C. Sance	e full) - E	N. (%) H.T. Text	w. (*F) Tie				rtss. No. of Course
Location (Top. Minimum Carroscon Crown Knuckle Elliptical Conical Hemispherical Flat Side to Piers Bostom, Ends) Thickness Allowance Radius Radius Ratio Apex Angle Radius C. simeter (Convex or Conference of Confe	lecds: (a) Wat	1.	(\$0	ec. No., Grada)	-	(b) Ma			-	
Bailom, East) Thickness Allowance Radius Radius Radius Radius Radius Gamerar (Gonzex or Goz	-				_	_	-	1069	PR . G/1886)	Y-10-1
		THE RESERVE OF THE PARTY OF THE								Side to Pressure (Content or Concare)
			Witness Committee (see )		The state of the s					
		-								
	fremovable hi	ofts used (descri	he m her farm	loor					-	A
(Mat. Spec. 10, Grade, Site, No.)		The same sames	Te diver raster	(11) Against construction	***************************************		(Matt., Epise., vo., C	rade, Site, No. J		

### Form U-2 (Back)

19. MAWP	18	0	psi at max. to	260	of Min. de	esign metal temp	O = = = = =	_180ps
					P\$1			
20. Nozzles, Insp	ection and	****	Openings:				-	
Purpose (Intel Duitel Disco etc.)	No.	Diam. or Sere	Type	Met.	hears. This	Reinforcement Meti.	Hare Artaches	LOGSTER
						***	***************************************	
	-						***	
A10 A4 (40 14)					**************	***************************************		
	-						-	
	-						***	
		-	-					
							************	
				***				
21. Supports: Sk	irt	Lugs	(No.)	.egs	(Describe)	behasmA	(Where the he	
				TED AT 270 PSIG				
Marie								
	Men.	TEST EXE	MPITON P	ER UHA-51 AND UC	320(F).		WITCH SAME AND ADDRESS OF THE ADDRES	
S	EE MAN	NUFACTURE	R'S DATA	REPORT SUPPLEME	ENTARY SHEET	FOR U2-4927.		
-							-	
-	PATHWA	Y BELLOW	S, INC.	IS RESPONSIBLE F	OR THE DESI	GN OF THESE UN	IITS.	
						***************************************		
		ASE 1177		OWS ELEMENT COV	ERS MATERIA	LS AND WORKMAN	SHIP ONLY.	
Printed to the state of the sta	-	1 1 10 100			STOREGIC OF STREET, ST	***************************************	***************************************	
				CERTIFICATE OF S	HOP COMPLIANC	E		
				ort are correct and that all	details of materia	il, construction, and wo	rkmanahip of this	vessel conform
"U" Certifica	te of Auth	orization No.	10 0	117 MINISTER 1	expires -	SEPTEMBER 8	8	19 91
Date /-/2	-90	Co. n	ame_PAT	HWAY BELLOWS, IN	NC. SI	and othersal	REMODELLE	
			The same of the same	CERTIFICATE OF	SHOP INSPECTIO	N SEE REMARKS	S*	
				ued by the National Boa	rd of Boller and P			e or Province of
at HARTEC	TENNES	**		m loyed by H.S.			MAI	(1110) 10
19 90		THE PERSON NAMED IN STREET		e prissure vessel described y knowledge and ballef, the				the ASME Boller
and Pressure				1. By signing this certifica				A CONTRACTOR OF THE PROPERTY OF
	/	and the second		nufacturers' Partial Days	70		A	shall be liable in
Date To	3, Ju 23	reanel Injury	1990 SI	mage of a tolk of the first	litea fe	Commissions	2633 1A	-461
-		4		CONTRACTOR OF THE STATE OF THE	Lane and the same	The second secon		

# PATHWAY



## MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

5.8	34	90.	11	#	50	per	do		W 1	e d	75 64	-4
$A^{+}A$	44	£3	748	90.	厸	9	No	768	16: 1	III, 166.	59, 1, 1	Tel:
										No. 4		

PATHWAY BELLOWS, INC. 115 FRANKLIN RD. DAK RIDGE, TN 37830

Manufactured for VIRGINIA ELECTRIC & POWER CO. NORTH ANNA 14 PO BOX 402 MINERAL VA 23117

U2-4927	B-1	-3568 Rev. A	*****		90
Mig. Seria	al No.	Drawing	Nat'l Bd. No.	Year	Built
SHELL	MATERIAL	ALLOW. STRESS	NOM. THE.	DIA.	LENGTH
BELLOWS (2)	SA240-T304	17,080	.037"	10.750"	20.625"
FLANGE (2)	SA182-F304L	14,680	N/A	10.750"	1.938"
LIMIT ROD LUG	(8) SA240-T304	17 080	1.000"	N/A	4.000"
LIMIT ROD (4)	SA36	12,700	N/A	1,000"	26.000"
		ACTUAL AND COMPANY OF A STREET			
SEAMS	LONG	HT	X-RAY	SECT	EFF
BELLOWS (2)	WLD SNGL BUTT	N/A	FULL	N/A	100%
FLANGE (2)	PILLET	N/A	NONE	N/A	70%
LUG (8)		N/A	NONE	N/A	70%
	Marie and Control of the State	***************************************			
GIRTH	FILLET	N/A	NONE	N/A	No. of Courses 3
	for Maximum Norking Press	SECTION AND ADDRESS OF THE PROPERTY OF THE PRO	PSI at Max.	Temp.	
Minimum Ter	np.	An annual super and a substrate and a substrate a substrate and a substrate a			
Remarks:					

PATHWAY BELLOWS, INC. IS RESPONSIBLE FOR THE DESIGN OF THESE UNITS.

1-12-50

Date

Manufacturer

Thomas Kkelen Signed

/-/2-90 Date

Auch. Inst. Signature

TN-2633, VA-46/ Commissions (Nat. Bd. State)

	a Electric &			Sheet 1 of /					
	ian Blud Glan		23.060						
Pient Neath A	Pions North Anna Power Station				_				
	22 Min engl		Bolt PAUXALA	n 90	-8003 O. No., Jab No.,	rtc.			
. Work Performed b	y Vinginia ola	Name Pow	er Co	Type Code Symbol		(A			
	2 Midadol Address			Authorization No.					
	Notern Safaty								
). Identification of C	Components Repaired	or Replaced and F	Replacement Co	mponents					
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Netional Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
		**	-			Replaced study			
Flance	Fub southwest	MA	MA	3"- 3I- 652 - 153A - QZ	1976	and Nuts Replacement	12.2		
Florge	Southwast Fob	1/1	MA	31152-652- 153A-Q2	1976	studs or Nots			
1948									
	ork Red lavel 5	tude only	No. E.						
	ork Replaced S								

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

		FORM NIS-2		
Romarks ASME	2/01/2			
4 5/0"-11 x	5" Studs ASM	E SA(93 6	Data Reports to be attached	
	Vuts ASME			
We certify th ASME Code, Section X	at the statements made in t	RTIFICATE OF CO	OMPLIANCE Separation of conto	irms to the rules of the
Type Code Symbol Sta			Expiration Date N/A	
Signed	Mul	Erya	Date Ust 4	
***************************************	CERTI	FICATE OF INSE	RVICE INSPECTION	
or Province of Very Her Hard, 67 in this Owner's Repo	ding a valid commission issues and emp	ued by the Nationa ployed by Herf	Signature of Boiler and Pressure Vessel  fired Signature Buller Each have inspected the to Det 9 1770 examinations and taken corrective in	components described, and state that
Owrer's Report in acc	ordence with the requireme	ents of the ASME C		
			Report. Furthermore, neither the in- image or a loss of any kind arising fro	
mark m	Marke pector's Signature		ions 425 National Board, State, Provin	ice, and Endorsomer ts

Oct 9 1980

Date.....

1. Owner VIRgin	in Electrica	Power Co		Date Sept	19/9	90	
	inion Blad Address						
2 Piant North	Arna Power	Station		Unit 2			
			Commenced States	1 1 1		00 10	~
	02 Minaral Address			Bolting Pd	mization i	n 70-10 00	otc.
3. Work Performed b	on Vinginia Ele	etrica Fou	er Co	Type Code Symbo		418	
P.O. Box 4	02 Mineral	VA 23117		Authorization No. Expiration Date	200		-
	System Chung 1						
(b) Applicable Ed	Instruction Code A Illian of Section XI Un	tilized for Repairs	or Replacemen	15 19 <u>#3</u> 583		74, 81(R), 115"	
Name of	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe (Yes or No)
Component							
	Atlas Ind. Man. Co.	1307	MIA	2.CH.E.4	1972	Replaced study of	No
HX Flange HX Flange	Atlas Ind.	1307	MA	2. CH. E. 4	1972	Replaced souts Replacement study exats	No No
HX Flange HX Flonge  Description of Wo	Atles Ind. Man. Co. Atles Ind.	Flange.	N/A Studs ar	2-CH.6-4		Replaced study of Replacement study wats.	No.

recorded at the top of this form.

THE CONTRACTOR OF THE CONTRACT	£ Class 2  Applicable Manufacturer's Date Reports to be attached
4 studs	7/8"-9 x 5" ASTM A 193 GR B7
	7/8" 9 ASME SA 194 GA ZH
	CERTIFICATE OF COMPLIANCE
We certify t ASME Code, Section	that the statements made in the report are correct and this ARD octave conforms to the rules of the repair or replacement
Type Code Symbol St	amp N/A
Certificate of Authori	
Signed Owner or O	wher's Designee, Title Engl Dere Sept 19 18 10
/	
	CERTIFICATE OF INSERVICE INSPECTION
	Iding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State  (NOT and employed by Mar Theres. Elegan Books I 4 I CO o
in this Owner's Repo	have inspected the components described to Feb 2, 1990, and state the
	owledge and belief, the Owner has performed examinations and taken corrective measures described in thi
	cordance with the requirements of the ASME Code, Section XI.
	rtificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning th
	rective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employe
	manner for any personal injury or property damage or a loss of any kind arising from or connected with thi
inspection.	
11	
wille	Commissions UM 5 8  Dector's Signature National Board, State, Province, and Endorsements

Plant North	Arna Power	Station		Unit			
	OR MINGRAL Address			Adam 9,9 Bel	ting P	8. No., Joh No.,	05 W.
	Vinginia El			Type Code Symbol S Authorization No.		11 48	
	102 Minele			Expiration Date		A	
Identification of \$	ystem Chemis	al and b	/oluma	Control	-		
Name of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced,	ASME Code Stamped (Yes
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
-	11/0	NA	MA	2-CH-FE-2102	NA	Raplaced studs or	No
lunge	~/4					Je 1163	
lange.	MA	NA	MA	2- CH-FE-2122	NA	Replacements	t No

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

Remarks H.	5 ME Class 2
Replace	A 8 1/8" x 8 x 8" studs, ASME SA 193 B7, and
	16 1/8"x8 Nuts, ASME SA 194 GR7, one of
	a time. No tressure test required.
We of ASME Code, Se	CERTIFICATE OF COMPLIANCE ertify that the statements made in the report are correct and this Replacement conforms to the rules of the ection XI.
Type Code Syn	nbol StampNA
Signed	er or Owner's Designee, Title  Expiration Date  May 22 19 90
	CERTIFICATE OF INSERVICE INSPECTION
or Province of A	ned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of the Commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of the Commission of the Com
	t in accordance with the requirements of the ASME Code, Section XI.
examinations a shall be liable i inspection.	this certificate neither the Inspector nor his employer maket any warranty, expressed or implied, concerning the and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this content of the content of the connected with the content of the content o
will	Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date 24	MBY 19.90

1. Owner Virginia	Name			Date 2-12-90	0		
5000 Dominion	Byd. Glen Allen, V						
TOOL DOMINION	Address	** 2.860	-	Sheet1	of		
Plant North	Anna Power Station			Unit 2			
, THE ST AND ADDRESS OF THE PARTY OF T	Neme			Unit	A STATE OF THE PARTY OF THE PAR	-	-
P.O. Box 402, N	fineral VA, 23117			ADM 9.9 Bolting	Program 9	0-B:06	
	Address		-	Repair Orga	ni-ation F	.O. No., Job teo.,	etc.
. Work Performed by	VA Power			Type Code Symbol	Stamp_	N/A	-
		Neme		Authorization No.	N/A		
P.O. Box 402, N	fineral, VA 23117 Address		-	Expiration Date	Y/A		
. Identification of Sys	stem Chemical v	olume and Contro			-	-	
(a) Applicable Cons	et notice Posts - B7	11.7	St. Catalon	W70		70 02/03/11	Santa Ka
The same of the sa					ladende,	WORK WILL	Code Ca
(D) Applicable Edit	ion of Section XI Ut	ilized for Repairs o	r Heplacement	19 83 383			
. Identification of Co	mponents Repaired	or Replaced and R	eplacement Co	mponents			
		-		-	·	-	yeles-1004104
							ASME
							Code
			National			Repaired,	Stampe
Name of	Name of	Manufacturer	Board	Other	Year	Replaced, or Replacement	or No.
Component	Manufacturer	Serial No.	No.	Identification	Built	or repractment	DI 140.
SUCTION FLANGE	*************	***************	NA	2-CH-P-1C	2411	Replaced	CN
SUCTION	production that exclusive course					reprieed	27.57
FLANGE	*************	************	NA	2-CH-P-1C	6198	Replacement	NO
					11.1		
	-			****	-		
				************			
Description of Work	Penlaced Clange	stude and now					
Description of Work	Replaced Cange	studs and nuts					
			minal Operation	Pressure TSI			
Description of Work Tests Conducted:	Hydrostatic Pr	neumatic Nor					
Tests Conducted:		neumatic Nor					
Tests Conducted:	Hydrostatic Procesure	neumatic Nor	Test Temp		) size is 85	6 in. x 11 in., (2) i	nforms

CERTIFICATE OF COMPLIANCE We derify that the statements made in the report are correct and this replacement  Signed Opher or Owder's Designee, Title  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned holding a valid commission issued by the National Bagerd of Boile; and Pressure, Vessel Inspectors and the State Plasting State Pl	Remarks	ASME Class 2	
CERTIFICATE OF COMPLIANCE  We carrify that the statements made in the report are correct and this repair or replacement  ASME Code, Section XI.  Type Code Symbol Starnp  N/A  Certificate of Authorization No.  N/A  Expiration Dete  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boile Boiler 1 to 1 Complete or Virginia and employed by  Hartford, CT  have inspected the components 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 examinations and 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 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.			ufacturer's Data Reports to be attached
We dertify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A  Signed Province of State Pasignee, Title  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Baard of Boiler and Province of Virginia and employed by Hartford Steam Holler (No. 1) and state the tothe best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in to 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 examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any kind arising from or connected with to inspection.		16 - 3/4" x 10 Nuts	
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A  Signed Signed Stamp Stamp Stamp Date State S			
We dertify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A  Signed Province of State Pasignee, Title  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Baard of Boiler and Province of Virginia and employed by Hartford Steam Holler (No. 1) and state the tothe best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in to 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 examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any kind arising from or connected with to inspection.			
ASME Code, Section XI.  Type Code Symbol Stamp  N/A  Certificate of Authorization No.  Signed Province of Owner's Designee, Tiste  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Prassure, Vessel Inspectors and the Strop Province of Virginia and employed by Hartford Steam Boiler   & 1 Co.  Hartford, CT  In this Owner's Report during the period 2-5-90 to 2-9-90 inspected the components describe to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in to 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 examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any kind arising from or connected with to inspection.			TARILOR BURNERS
Certificate of Authorization No. N/A  Signed Province of Owner's Designee, Title  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boile, and Possure Vessel inspectors and the Stror Province of Virginia and employed by Hartford Steam Boiler I & Co.  Have inspected the components described in this Owner's Report during the period 2-5-90 to 2-9-90 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in to 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 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 propertion.			t are correct and this conforms to the rules of the
CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors and the Stror Province of Virginia and employed by Hartford Steam Boller 1 & Components described in this Owner's Report during the period 2-5-90 to 2-9-90 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in to 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 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 propertion.	Type Code Sy	ymbol StampN/A	
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I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure. Vessel Inspectors and the Strong Province of Virginia and employed by Hartford Steam Boller Lat Co.  Hartford, CT have inspected the components described in this Owner's Report during the period. 2-5-90 to 2-9-90 and state 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 examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employable liable in any manner for any personal injury or property demage or a loss of any kind arising from or connected with this pection.	Signed Pow	Manath Staff Engineer	Date 2-/2 - 19.90
have inspected the components described in this Owner's Report during the period. 2-5-90 to		CERTIFICATE	OF INSERVICE INSPECTION
have inspected the components described in this Owner's Report during the period. 2-5-90 to	I, the undersi	igned, holding a valid commission issued by the Virginia and employed by	National Board of Boiler and Pressure Vessel Inspectors and the State
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Inspector's Signature National Board, State, Province, and Endorsaments		lleon & Widon	Commissions VA 3-5-8
		inspector's Signature	National Board, State, Province, and Endorsaments
Date 14 766 1090			

1. Owner Killyin	Dure November 9,1990							
3000 Domi	iver Blud GI	lan Allan VA	23000	Sheet / of /				
	Arma Power	Unit_2						
1.0.B.x 4	Bolting PA	gagan	90-801	9				
Work Performed	by Kinginia El	estain o Pou	en Co	Type Gode Symbo	Stamp 4			
	2 Mineral	1981116		Authorization No. Expiration Date				
. Identification of	System Safety 1	Twi action						
. Identification of	Components Repaired	or Replaced and F	replacement Go	imponents	-			
							ASME Code	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other identification	Year Built	Repaired, Replaced, or Replacement	Code	
Component	Manufacturer		Board	identification		Replaced,	Code Stamped (Yes	
Component	Manufacturer		Board			Replaced, or Replacement  Replaced State Nats Replacement	Code Stampe (Yes	
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Component	Manufacturer	Serial No.	No.		NA	Replaced, or Replacement  Replaced States o Nats Replacement States a Nats	Code Stampe (Yes	

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

16 3/4"-1	E Class 2 Applicable Manufacturer's Data Reports to be attached  2 x 5" A 5 TM A 193 gR B 7 Studs  A 5 TM A 184 gR 2 H OR A 5 ME SA 194 ga 2 H Nats
32 /4 -16	ASTM A184 gr. 2H OR ASME SA194 gr. 2H Nuts
	CERTIFICATE OF COMPLIANCE
We certify ASME Code, Section	that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement.
Type Code Symbol (	Tramp N/A
Certificate of Author	
Signed Owner or	Expiration Date 1/1/1  Source's Designee, Title  Expiration Date Nevery bek 9 19.90
/	CERTIFICATE OF INSERVICE INSPECTION
	olding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S
	FIN: A end employed by 14. 3 B Z + Z CO.
in this Owner's Re	have inspected the components description of the period 28 Aug 1990 to 1 Sept 1990, and state
	nowledge and belief, the Owner has performed examinations and taken corrective measures described in coordance with the requirements of the ASME Code, Section XI.
examinations and o	pertificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer y manner for any personal injury or property damage or a loss of any kind arising from or connected with
willen	E / Commissions MA- 5" 5"
	nspector's Signature National Board, State, Province, and Endorsement

1. Owner Vingini	in FlactRic & Po. Name in ion Blok	Wer Co	1/1 23000	Date November	,	990	
2. Plans North	Unit 2  Botting Program 90-8020  Robbit Organization P.O. No., Job No., etc.						
3. Work Performed I	Address 402 Mines Address System Safety	Name of VA 231	ed Co	Type Code Symbol Authorization No. Expiration Date	Stamp &		etc.
(a) Applicable Co     (b) Applicable Ec	onstruction Code	3/.7 19 tillized for Repairs	or Replacemen	ts 19 83 5 83	ddende, Z	18. 81 83/12/15	Code Ca
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Bullt	Repaired, Replaced, or Replacement	ASME Code Stamper (Yes or No)
Value	Aloyco	1/3	MA	2-57-Mov-2860A	NA	Replaced Studs a Nats	No
Valve	Aloyco	MA	MA	2-55-MOV-2860A	MA	Replacement Studis Nuts	<i>y</i> .
7. Description of Wo	Hydrostatic Pressure	neumatic N	ominal Operatir		ed a	a time as	d no

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

Applicable Manufacturer's Data Reports to be ettached  20 3/4 - 10 A SME SA 194 g R R N 4 4 5  CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this Adjusted Conforms to the rules of the report or replacement  SME Code, Section XI.  Expiration Date A Date Report or replacement  CERTIFICATE OF INSERVICE INSECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of the Art of the	FORM NIS-2 (Back)
Applicable Manufacturer's Data Reports to be ettached  2/4 10 ASME SA 194 gR 2H N 4 25  CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this Asyllacement  SME Code, Section XI.  Expiration Date  Province of Owner's Designee, Title  CERTIFICATE OF INSERVICE INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of State of August 1970 and employed by A. S. E. F.	- ASME Class
CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this Reflect and conforms to the rules of the repair or replacement.  SME Code, Section XI.  Expiration Date Management  Expiration Date More and pressure Vessel Inspectors and the State of Province of Williams and employed by A. S. F. T.	20 3/4 - 10 x 7" ASME SA 193 9 R 87 stals
CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this Reflect and conforms to the rules of the repair or replacement.  SME Code, Section XI.  Expiration Date Management  Expiration Date More and pressure Vessel Inspectors and the State of Province of Williams and employed by A. S. F. T.	40 14"- 10 ASME SA 194 gx 2H N4 ts
We certify that the statements made in the report are correct and this Reflect Prediction to the rules of the repair or replacement.  SME Code, Section XI.  Expiration Date MA  Expiration Date MA  Date November 9  Owner or owner's Designee, Title  CSRTIFICATE OF INSERVICE INSPECTION  In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Science and employed by A. S. F.	
We certify that the statements made in the report are correct and this Reflect Prediction to the rules of the repair or replacement.  SME Code, Section XI.  Expiration Date MA  Expiration Date MA  Date November 9  Owner or owner's Designee, Title  CSRTIFICATE OF INSERVICE INSPECTION  In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Science and employed by A. S. F.	CERTIFICATE OF COMPLIANCE
Sertificate of Authorization No.  CERTIFICATE OF INSERVICE INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Villagian and employed by A. S. F. F. have inspected the components describe in this Owner's Report during the period 3 Sept 1990 to 4 Sept 1990, and state the lothe 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 ASM. 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 hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this psection.	
CERTIFICATE OF INSERVICE INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Star Province of Villagina and employed by A.S. In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Star Province of Villagina and employed by A.S. In this Owner's Report during the period Sept. 1990 to Holding and state the components described in the Owner's Report in accordance with the requirements of the ASML 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 the inspection.	ASME Code, Section XI. repair or replacement
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CERTIFICATE OF INSERVICE INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Star or Province of 1990 and employed by 1990 to 1990 and state the components described in this Owner's Report during the period 3 5007 1990 to 1990 and state the components described in 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 ASML 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 employes thail 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.	Certificate of Authorization No. Expiration Date
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Date 1.5 April 1090	Date_ / 5 // 19 9 0

	in Electrica !		23060	Sheeto	1		
	NEW POWER 5		and the second	Unit 2			
10. Dex 40%	Mireral VA	23/17		Bolking Pro	y Ann Nization P	90.802	nto.
	Wikgioin Ela	1381119	r Co	Type Code Symbol Authorization No.	Stamp &	- 10	
	Mireko V Address System Safety 2			Expiretion Date			
(b) Applicable Ed	Instruction Code B 3	Ilized for Repairs		15 19 P3 J#3	ddende, 2	el escepto	Code Ca
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other identification	Year Bulit	Repaired, Replaced, or Replacement	ASME Code Stamper (Yes or No)
Velve	Velan	MA	MA	2-57-MOV-2836	MA	Replaced Studio Nats Replacement	No
	Velan	148	2/1	2-32 MUV-2836	rit	Studis + Nuts	No
Valve	in the same of the same of the same of						
Valve					decement of	A STATE OF THE PARTY OF THE PAR	
	ork Replaced St					0	

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CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and replacement.  Type Code Symbol Stamp  Certificate of Augitorization No.  Signed Owner of Swiner's Designer. Title  CERTIFICATE OF INSERVICE INSPECTION  It the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of the Complete of the Com	12 /4-13	0 x 5" ASTM A 193 gA	eB7 studs	
We certify that the statements made in the report are correct and it sperifically conforms to the rules of the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorization No.  Expiration Date  Certificate of Authorization No.  Certificate of Note No.  Certificate of Inspection  In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Control of the No.  And t	12 1/4"x1	2 ASTM A 1947A	2H muts	
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the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of the United States of the State of the States of the Sta	Signed Owner of	Diviner's Designed Fitte		10 9 0
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Uniform and employed by Hold of Total Components described in this Owner's Report during the period 3 SERT 1993 to 29 October 1990, and state the post 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 we ranty, 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 mariner for any personal injury or property damage or a loss of any kind arising from or connected with the inspection.  Commissions  National Board, State, Province, and Endorsements	4			
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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.  Commissions  National Board, State, Province, and Endorsements				implied, concerning th
Inspection.  Commissions 1958  Inspector's Signature Commissions National Board, State, Province, and Endorsements				
게 하는데		mariner for any personal injury or prop	perty damage or a loss of any kind arising from	m or connected with th
	11111	-1/1		
	Werr	napactor's Sighature C	ommissions National Board, State, Province	e, and Endorsements

2. Plent North PO. Box 402 3. Work Performed by	Anna Paner Anna Paner Name Mineral V Westinghous 5, Pttsburg Address	n Allen, VA Station A 23117 e Flectric Nome h, PA 152	23060 Corp.	Sheet of Unit 2  Bolting Pr Repail Organ  Type Code Symbol : Authorization No Expiration Date	og Carrization P.	90-B0	2.2 nc.
(a) Applicable Cor (b) Applicable Edit     Applicable Edit     Name of Component	ition of Section XI Ut	ilized for Repairs	or Replacement	u 19 <u>83</u> 5 83	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes
Pump	ESCO	710	N/A	2-R(-P-1C	1972	Replaced Stud	No
Pomp	Esco	710	N/A	2-RC-P-1C	1972	Replacement Stud	No
7. Description of Wo  8. Tests Conducted:  9.01		neumatic N	ominal Operati		vas m	jected by	NDE

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

	하이가 되었다면 하는 점점이 되었다면 하지만 하는 것이 없는 것이 없는데 그렇게 되었다.
Romarks ASME CI	ASME SA 193, Gr. BT Stud - Serial Number 9486
NATIONAL TON ASSOCIATION AND ADDRESS OF THE ADDRESS	Applicable Manufacturer's Data Reports to be attached
2-8×8"	ASME SA 193, Gr. By Stud - Serial Number 9486
DR N1-91-61 WO	is initiated due to a missed ANII Hold Point to witness UT calil
tal no mel	to the sale at the and the art there are
loes not speci	containment walkdown VT-2 examination report (02-PT-46.21) fically identify this component but it was included in that
	CERTIFICATE OF COMPLIANCE
We certify that	t the statements made in the report are correct and this TEDIGGS MENT conforms to the rules of the
ASME Code, Section X1.	repair or replacement
	11/A
Type Code Symbol Stam	ρΝ/ Ω
Certificate of Authorizat	ion No. NA Expiration Date NA
dertinate of Authorizat	expiration Date
Signed J. P. Ha	mill LEAD IST ENGR. DATE JUNEARY 15 1991
Owner or Own	er's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	ing a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	and employed by H, S, B Z + J Co, of
they there	during the period_21_5 ept 1990 to 1 NOU 1990, and state that
	riedge and belief, the Owner has performed examinations and taken corrective measures described in this
	dance with the requirements of the ASME Code, Section XI.
	ficate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
	ictive measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
inspection,	anner for any personal injury or property damage or a loss of any kind arising from or connected with this
00	
William	ector's Signature Commissions National Board, State, Province, and Endorsements
Inspe	ector's Signature National Board, State, Province, and Endorsements
Date 17 Acces	189/
7	
The state of the second	The second secon

	Electric & /		-	Date Secemb	er 13	1770	***
5000 Domi	in Blud a	Elan Allany 6	VA 2300	Sheet of			
	Anna Power			Unit 3			
	02 Minera		7	Bolling Pro	gram	90.80	24
	Vinglinea El			Type Gode Symbol S			rtc.
	2 Mineral			Authorization No.	7.7		
	ystem Querch						
			10	/ / 7-			
	nstruction Code A				ddendaZ	C. P. 83(R) 115	Code Ga
. Identification of C	Components Repaired	or Replaced and R	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)
	Chone	NA	NA	2-015-MOV-201A	n/1	Replaced studie Nuts	No
MOV	07.00					Replacement	
MOV	CRONE	NA	MA	2.45-MW-202A	MA	studio Nuts	No
		NA	MA	2.45-MW-203A	NA		No
		NA	MA	2-45-MW-203A	sys.		No
MOV		NA	MA	2.45-MW-201A	N/S		No
MUV	CRONE						No
MUV							No

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

CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this Ask actastical conforms to the rules of the ASME Code, Section XI.  Type Code Symbol Stamp Ask actastical conforms to the rules of the repair or replacement  Expiration Date Ask actastical conforms to the rules of the repair or replacement  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Sessel Inspectors and the State or Province of Conforms and employed by H.S.P. T. C.D. HAAT And C.T. have inspected the components describe in this Owner's Report during the period. If Sept. CFD. to 24 CCT. 1990. and state the to the best of my knowledge and belief, the Owner hap 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 the examinations and corrective measures described in this Owner's Report. Furthermore, 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 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 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 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 makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his	10 15-13	× 3/2" ASM	E SA 193 ga B7 studs
We certify that the statements made in the report are correct and this All acceptance conforms to the rules of the report or replacement.  Type Code Symbol Stamp All Expiration Date All Expiration Date All Owner or Owner's Designes, Titre  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the "tat or Province of Outlier of Authority of the All Owner's Report during the period IL Sept 1990 to 24 Cct 1990, and state this 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 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 the inspection.  Commissions  National Board, State, Province, and Endorsoments			
ASME Code, Section XI.  Type Code Symbol Stamp A   Certificate of Authorization No. A   Signed Owner or Owner's Designes, Titte  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Yessel Inspectors and the "tat or Province of Quille Cull R   and employed by H.S. D. + F.C.   Hart Hard C.T   have inspected the components describe in this Owner's Report during the period II. Sept. 1990 to 24 Cc. T. 1990 and state this 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 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 the inspection.  Commissions National Board, State, Province, and Endorsoments National Board, State, Province, and Endorsoments		CERT	TIFICATE OF COMPLIANCE
Signed Owner or Owner's Designes, Titre  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Yessel Inspectors and the Tital or Province of Diagram And Experiments of Mark Hard C.T. have inspected the components describe in this Owner's Report during the period II Sept. 1990. In 24 Oct. 1990, and state that 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 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 the inspection.  Commissions Astron.			
Signed Owner or Owner's Designes, Title  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure 3'essel Inspectors and the "tail or Province of Older In and employed by H.S.P. THE.CO have inspected the components describe in this Owner's Report during the period II SEPT 1990 to 2900 T1990, and state that 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 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 the inspection.  Commissions Astronomy Fronties, and Endorsements  National Board, State, Province, and Endorsements	Type Code Symbol Star	no N/A	
Signed Owner or Owner's Designes, Title  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure 3'essel Inspectors and the "tail or Province of Older In and employed by H.S.P. THE.CO have inspected the components describe in this Owner's Report during the period II SEPT 1990 to 2900 T1990, and state that 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 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 the inspection.  Commissions Astronomy Fronties, and Endorsements  National Board, State, Province, and Endorsements	Certificate of Authorize	tion No. NA	Expiration Date AVA
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the "tat or Province of Direction and employed by H.S.P. T. T.C.O	Signed Owner or Ow	Olul ner's Designes, Titre	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the "tat or Province of Direction and employed by H.S.P. T. T.C.O		CERTIF	ICATE OF INSERVICE INSPECTION
harthand CT  in this Owner's Report during the period II Sept (990 to 290 to 290 to 290 mand 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 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 the inspection.  Commissions  Commissions  National Board, State, Province, and Endorsements		ling a valid commission issue	d by the National Board of Boiler and Pressure Yessel Inspectors and the "to
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 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 the inspection.  Commissions  Commissions  National Board, State, Province, and Endorsements	Harthard		
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 the inspection.  Commissions  Commissions  National Board, State, Province, and Endorsements			
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 the inspection.  Commissions  Commissions  National Board, State, Province, and Endorsements			
shail 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.  Commissions Commissions National Board, State, Province, and Endorsements	By signing this certi	ficete neither the Inspector	nor his employer makes any warranty, expressed or implied, concerning
Inspector's Signature Commissions Wational Board, State, Province, and Endorsements	examinations and corn	octive measures described in	n this Owner's Report. Furthermore, neither the Inspector nor his employed
Inspector's Bignature National Board, State, Province, and Endorsements		anner for any personal injur	y or property damage or a loss of any kind arising from or connected with t
Inspector's Bignature National Board, State, Province, and Endorsements	in a	0///	the comp
	Inspi	ector's Signature	National Board, State, Province, and Endorsements
	- 10 -	1920	

1. Owner Linguis	in Electrice	Power Co	and the same of th	Date October	n 200	1980	
5000 Pam	wion Blud G	lea Allen V	12.2300	Sheet	01		
	I vua Power			Unit 2			
	100 Mingan			Bolling Ra	nization i	90-8026	etc.
Work Performed to	on Vinginia Ela	stair of los	ner Co.	Type Gode Symbo	Stamp#		
P.D. Bun	402 Minero	1.VA 2311	2	Authorization No., Expiration Date &			nicolisación Cara Arrana
	System Quench						
5. Identification of 5	Components Repaired	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)
	ereprise versuseenderstellener bler					Replaced	
Valve	GAINELL	MIA	MA	2-05-28	1974	Studs o Nots Reglucement studs Nuts	No
	- A 22	NA	The same of the			1 1 1/2	No
Valve	Greenell	cja	MA	2-05-28	1974	13 +4 at 1 N 4/1	
	GREENELL	- <i>C</i> /A	efa	2-05-28	7974	\$74 41 304/3	
Valve	in Replaced 5to			2-25-28	7974	\$14 # ( W4/2	

recorded at the top of this form.

D. Remarks ASME Class 2	
4 1/2" × /3 × 5" ASME SA 193	Manufacturer's Date Reports to be attached  3 gR B7 on ASTM A173 gast 2 study
8 /2 x/3 ASME SA 194	ga 2.4 nuts.
We certify that the statements made in the ASME Code, Section X1.	report are correct and this Reflectment conforms to the rules of the
Type Code Symbol Stamp N/A	
Signed Owner or Owner's Designee, Title	Expiration Tate NA 19.80
CERTIFIC	CATE OF INSERVICE INSPECTION
or Province of AGNA and employ CT.  In this Owner's Report during the period DAT to the best of my knowledge and benef, the Owner Owner's Report in accordance with the requirements.  By signing this certificate neither the inspector is examinations and corrective measures described in shall be liable in any manner for any personal injury inspection.  Inspector's Signature	by the National Board of Boiler and Pressure Vessel Inspectors and the State yed by
Date NOVEMBER 5, 1890	

	in L'ectric & Po		23060	Sheet		l. Policies reconsission in a	
	Acon Power			Unit 2			
	102 Mineral			Bolting Pro	9 Ac mi	90.8029 0. No., Joh No.,	etc.
Ro. Der 5	or Viaginia Els 142 Minarel Addression Change	VA 23117	es Co	Type Code Symbo Authorization No., Expiration Date	Stamp A		
5. (a) Applicable Co (b) Applicable Ec	onstruction Code B fition of Section XI Ut Components Repaired	31. 7 19	or Replacemen	ts 19 <i>83 5 83</i>	Addends,2	C. 8, 83(12,10)	Code Ca
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)
Value	Valan	MA	MA	2.CH-388	41	Replaced SufsoNuts Replacement	No
Value	Valan	MA	MA	2-CH-358	MA	Studio Nuts	No
	0.10	et 0	111	Gasket Leck	, ,	0.1.1	

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D. Remarks ASME	
12 3/4"-10 x	5 ASTM A 193 g R B 7 stalls
12 34"-10	ASTM A 193 g R BT stods  ASTM A 193 g R BT stods  ASME SA 194 g R 2H OR ASTM A 194 g R 2H N X + 3
	CERTIFICATE OF COMPLIANCE
We certify that a ASME Code, Section XI.	the statements made in the report are correct and this defloce ment conforms to the rules of the repair or replacement
Type Code Symbol Stamp	N/A
Signed Owner or Owner	Expiration Date Mars mbes 8 19 90  To Designee, Fitte
7	CERTIFICATE OF INSERVICE INSPECTION
or Province of UI Mari	
to the best of my knowle	uring the period. 3 > PT 1790 to 26 SCT 1990 and state that dge and belief, the Owner has performed examinations and taken corrective measures described in this since with the requirements of the ASME Code, Section XI.
examinations and correct	ate neither the inspector nor his employer makes any warrant, expressed or implied, concerning the ive measures described in this Owner's Report. Furthermore, neither the inspector nor his employer ner for any personal injury or property damage or a loss of any kind arising from or connected with this
Collection	or's Signer- re Commissions WA 558  National Board, State, Province, and Endorsements
Date 10 Dec	19.9 8

. Owner ATTAGE	in Electrica	POWER CO	-	Date Termedy	7,1771		
5000 Domis	ien Blud Wen	Aller, VA.	23060	Sheet	01		
Plant North	Arna Power	Station		Unit Z			
	1 Mineral VA			Balting PA	nization F	90. B 03/	etc.
. Work Performed t	ovliggin in Elast	Ais a Power	60	Type Gode Symbol		111	
	2 Minakal V	1381118		Authorization No.	200		
	System Safety						
nd kontinue n		17/7 10	69 Edition	w90 .		8 81 8300 115	Court D
(b) Applicable Eq	Instruction Code Itian of Section XI Ut	ilized for Repairs	The second secon		MARINE,C	Age Sign St. N. S. S. L. Colonia	Jour Gr
. Identification of (	Components Repaired	or Replaced and F	Replacement Co	amponents			
							ACEAN
Name of Component	Name of Menufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stampe (Yes
Component	Menufacturer		Board			Replaced, or Replacement	Code Stampe (Yes or No)
Component			Board		Bulls	Replaced, or Replacement	Code Stampe (Yes or No.
Component	Menufacturer	Serial No.	Board	Identification	Built	Replaced, or Replacement	Code Stampe (Yes or No.
Component	Menufacturer Alay 64		No.	Identification	Built	Replaced, or Replacement  Replaced Studs of wife Replacement	Code Stampe (Yes or No.
Component	Menufacturer Alay 64	Serial No.	No.	Identification	Built	Replaced, or Replacement  Replaced Studs of wife Replacement	Code Stampe (Yes or No.
Component	Menufacturer Alay 64	Serial No.	No.	Identification	Built	Replaced, or Replacement  Replaced Studs of wife Replacement	Code Stampe (Yes or No)
	Menufacturer Alay 64	Serial No.	No.	Identification	Built	Replaced, or Replacement  Replaced Studs of wife Replacement	Stampe (Yes or No)
Component	Menufacturer Alay 64	Serial No.	No.	Identification  2-57:MeV-2860/8  2-57:MeV-2860/8	Built	Replaced, or Replacement  Replaced Studs of wife Replacement	Code Stampe (Yes or No

recorded at the top of this form.

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

20 3/4"	-10 x7" A	SME SA 193 g	K B7 St	ports to be attached	
40 3/4	-10 ASTM	A194 ga 2H	OR ASM	1 £ 50 194 9026	auts
We ce			OF COMPLIAN	ICE is As placement contor	rms to the rules of the
Certificate of A	boi Stamp AAA	n de la		etion Dete NA	
7		CERTIFICATE O	F INSERVICE I	NSPECTION	
		mmission issued by the f		H Boiler and Pressure Vessel	Inspectors and the Star
in this Owner's to the best of r	Ploy & Report during the p my knowledge and be	et period_ 9-18-90	formed examine	have inspected the to 7-3-97.	
exeminations a	nd corrective measur n any manner for any	es described in this Ow personal injury or prop	vner's Report. F erty damage or i	any warranty, expressed or furthermore, neither the Ins a loss of any kind arising from	pector nor his employ
s 8 0	Inspector's Signat	_19_ 9 /_	N	ational Board, State, Province	ce, and Endorsements

Free d	ia Electrical			Date December			
	wiew Blad G/s		13.000	Sheeto	1		
Man Neath Anna Power Station				Unit 2			
P.O. Box 402 Mineral, VA, 23117  Box 402 Mineral VA 23117  P.O. Box 402 Mineral VA 23117				Belling Pro	edam	90-8034	
				Type Code Symbol :			etc.
				Authorization No.	4/1	-	
T.O. Doy 4	Address	VA 23117		Expiration Date	41		-
Identification of	System Changing	9			-		
(b) Applicable E	onstruction Code Addition of Section XI Ut	tilized for Repairs	or Replacemen	ts 19 <u>\$ 3</u> 5 8 3		5, 84.82(12, 115	
Identification of	Components Repaired	or Replaced and F	teplacement Co	mponents		_	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Nepaired, Replaced, or Replacement	ARME Code Stampe (Yes 0// No)
	4	-	400			Replaced	
	Arches	1/4	174	2.5H-MUY-21150	2/3	Replacement	No
lolve	Anchor	1 100	2014		. 10	studs Nuts	No
	MACRER	1/3	144	2. CH : MOV-2115 D	Cft.	Maria Carlos Constitution	
	Munon	1/4	14	D.CK.MOV-2415 D	2/2		ed Sonota, um Will
	Murel	NB	14	2.CK:MeV-2050	cga.		el since un els
value value	Thursell	NA	14	2.CH1MOV-2015 D	cgr.		
	Musel	NA	7/4	2.CH140V-2050	C/A		

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

FORM NIS-2 (Back)
Samuel ASME Class 2
Remarks $ASME$ Class 2  Applicable Manutacturer's Data Reports to be attached  10 5/8"-XIX5" 115ME SA 193 gx B7 study  20 5/8"-11 ASME SA 194 ga 24 rufs
20 5/8"-11 ASME SA 194 ga 24 ruts
CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this Republicance Conforms to the rules of the
ASME Code, Section XI.
Type Code Symbol Starro
Certificate of Authorization No. 14 Fxpiration Date 14
Signed Swear or Owner's Destroise, Title Eagle Dete Pac /2 19.90
CERTIFICATE OF INSERVICE ANSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIESTAL and employed by ABC ABC OC.
in this Owner's Report during the period 19 Left 1880 to 11 oot 1880, and state that
to the best of my knowledge and helief, the Owner has performed examinations and taken corrective mediums 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 imployer makes any warranty, expressed or implied, concurning the examinations and corrective musicines 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 alloss of any kind arising from or connected with this
Inspection.
Inspector's Signature Commissions National Buard, State, Province, and Endorsements

Date 14 Dec 1998

	Elaverica laurel	60	accessories to the same of the	Dan . Co Kobar :	31,199	e			
PION Nexth Anna Pawer Station  PION BOK 40: Me exall 1 23/17  Work Performed by Vikgin 2 El Maior Power Go  Normal  LO Bok 402 Min chas 41 13/17  Scientification of System Changing				Sheet. / _ of /					
				Unit Z					
				Type Code Symbol Stamp 44.  Authorization No. 0/A  Expiration Date N/A					
		Manufacturer	National Board	Other	Year	Repairs Replaced,	ASME Code s ampec		
Name of Component	Manu/geturer	Sarial No.	No.	Identification	Bullt	or Replacement	31 210)		
Component	Man_ranturer	Serial No.							
Component			MA MA	7-CM-RV-2209	4/4	Ropland	Ni		
	Crosby	41.	MA	7.CM.KV-2209	4/4	Replaced Studie uts Replacement	Ni		

tion in items of this report is included on exc. sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

have inspected the components described in this Owner's Report during the period. LEST 12,1990 to 06 31,1990, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any secronal injury or property damage or a loss of any kind arising from or connected with this inspection.  Cummissions  A - 46 / B I   B I	Remarks ASME Class 2
CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this of the replacement  Type Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorizerson No. MA  Expiration Date  Certificate of Juliana  Certificate of Instance of Insta	8 5/8"-11 x 5" ASME Applicable Manufacturer's Data Reports to be ettached  A 193 9 R B 7 0 R ASYM A-193 9 R B 7 5 4 AS
We certify that the statements made in the report are correct and this Access conforms to the rules of the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorizeryon No.  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned bolding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of All Report during the period.  ARTFORD CT  In this Owner's Report during the period.  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 in accordance with the migurements 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 importion.  Commissions  Commissions  National Board, State, Province, and Endorsaments	16 1/8-11 ASME SA 194 gazHrats
We certify that the statements made in the report are correct and this Access conforms to the rules of the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorizeryon No.  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned bolding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of All Report during the period.  ARTFORD CT  In this Owner's Report during the period.  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 in accordance with the migurements 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 importion.  Commissions  Commissions  National Board, State, Province, and Endorsaments	
Type Code Symbol Stamp  Certificate of Authorization No. A Expiration Date  Certificate of Authorization No. A Expiration Date  Certificate of Authorization No. A Expiration Date  Certificate Of INSERVICE INSPECTION  I, the undersigned bolding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of A Inspectors and the State of Province of A Inspectors and the State of Province of A Inspector of A Inspector of A Inspector of Inspecto	
Signate Owner's Designee. Title  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned bolding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Andrew Inspector and the State of Province of Andrew Inspector and the State of Province of Inspector during the period.  In this Owner's Report during the period.  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  Commissions  A A A A A B A B A A A B A B A B A B A	
CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned bolding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Including a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Including the period. It is I place to the components described in this Owner's Report during the period. It is I place to the state 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 poysonal injury or property damage or a loss of any kind arising from or connected with this inspection.  Commissions IA - AC	Type Code Symbol Stamp 14
CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned bolding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Inspectors and employed by Inspector of Province of Inspector of Inspe	Certificate of Authorization No. 1/A Expiration Date 1/A
I, the undersigned bolding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of ADA and employed by ADA BOARD CT have jospected the components described in this Owner's Report during the period. NET 12,1990 to 61.31,1990, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Commissions  A - 46  National Board, State, Province, and Endorsaments	Signer Owner's Designee, Title Engl Date October 3/ 1990
I, the undersigned bolding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of ADIA and employed by BP 900 B	CERTIFICATE OF INSERVICE INSPECTION
In this Owner's Report during the period. NEST 12, 1990 to 06Th 31, 1990, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any possonal injury or property damage or a loss of any kind arising from or connected with this inspection.  Commissions  A - 46 /	I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pressure of INDINIA and employed by TODIANOICO.
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 sersonal injury or property damage or a loss of any kind arising from or connected with this inspection.  Cummissions  A - 46  Inspector's Signature  Cummissions  National Board, State, Province, and Endorsaments	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the exeminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any screened injury or property damage or a loss of any kind arising from or connected with this inspection.  Cummissions  A - 46  Inspector's Signature  Cummissions  National Board, State, Province, and Endorsaments	
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.  Cummissions 4-46/ Inspector's Signature Cummissions Wational Board, State, Province, and Endorsements	
Inspectors Signature Commissions VA - 46/ NBI Inspectors Signature Commissions Wational Board, State, Province, and Endorsements	examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employe
Charles & Metrologe Commissions VA - 46/ NB I	
	111, 000.
Marie	Date NOVEHBER 5 1990

1. Owner Vinginia	Electric & Pour	val Go		Date Nevem box	2,1	990			
	on Blud Glen		23060	Sheet/of/					
	Inna Power St			Unit 2					
PO. Box 402 Mineral, VA 83117				Balting Pros	Agmy	94-B036	ntc.		
	v Vinginia Ela		rk Co	Type Code Symbol S Authorization No.	Stamp No				
	Mineral, VA			Expiration Date	Z				
5. (a) Applicable Co (b) Applicable Ed	nstruction Gode A Dition of Section XI Ut	3/ 7 19 illized for Repairs	or Replacemen	is 19 83 -5 83	ddenda, 2	C 81, 83 (12) 115	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)		
Valve	Chosby	NA	MA	2-CH-RV-2382B	M	Replaced Studies Nats	No		
Valve	Ceasty	MA	MA	1-CK-RV-23828		Sheds of Nats			
7. Description of We	ork Replaced	Studst	Nuts						
8. Tests Conducted	Hydrostatic [] I								
	nental sheets in form								

Remarks HSME C/4.55 2  Applicable Manufacturer's Data freports to be attached
8 3/8"-11X5" ASTM A 193 gr B7 OR ASME SA 193 gr B" stude
16 % -11 ASME SA 194 ga 2H Nuts
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp 14/A
Certificate of Austronization No. MA Expiration Date MA
Signed Owner's Designee, Title Eagh Date 1/-2 , 19 90
CERTIFICATE OF INSERVICE INSPECTION
the undersigned hadding availed commission issued by the National/Board of Boller and Pressure Vessel Lispectors and the Stor Province of 100100000000000000000000000000000000
HARTFORD, CT. have inspected the components descrit in this Owner's Report during the period. SELT. 22, 1990 to NOV. 2, 1990, and state to
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in to 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
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his emplo shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect d with t
halle & Metcalor Commissions VA -46/ N. B. I. Inspector's Signature Commissions NA -46/ N. B. I. National Board, State, Province, and Endorsements
Inspector's Signature / National Board, State, Frovince, and Endorsements
Date 100 0000000 1870

	in jon Blud CANGER		VA 2300	Date Novem ber 29/990 Sheet _ of _					
2. Plant North Anna Power Station				Unit Z					
	2 Mireral VA			Balting PA			3 7 etc.		
	Dy Vinginia Eleca 2 Min Bray V.	1.00011100	CO participation and the control of	Authorization No.	×11	17			
	Address System Safety								
(b) Applicable Ed	onstruction Code B3 dition of Section XI Ut Components Repaired	tilized for Repairs		ts 19. 83 583	ddende, Z	18,81,83(R) 115	Code G		
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.		
	Velen	NA	14	2-51-MOV2869A	NA	Replaced Studies Nats Replacement	No.		
Calve	Velan	NA	NA	2:57:MOV-2869A	MA	Studis + Nuts	No		
	YEIGN	111	1-11-						
Valre Valve	V&/9N	- ///							
lo lve	ork Raplaced Stu					/:-			

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 3/4"-10 x5" ASTM A193 ga	DI STUAS
12 34"-10 ASTM A1949R 21	HOR ASMESA1942H Nuts
CERTIFICATE C	DF COMPLIANCE
We certify that the statements made in the report are ASME Code, Section XI.	correct and this Restocement, conforms to the rules of the replacement
ype Cade Symbol Stamp 14/4	
Pertificate of Authorization No. N/A	Expiration Date MA
110101	
gned Owner or Owner's Designee, Fittle	rg R Date Nov 29 19 90
CERTIFICATE OF	INSERVICE INSPECTION
the undersigned, holding a valid commission issued by the Na r Province of Charles (1979) and employed by	tional Board of Boiler and Pressure Vessel Inspectors and the Stat
than the d c T in this Owner's Report during the period 22 Sept	have inspected to components described 1990 to 29 OCT 1990, and state that
	rmed examinations and taken corrective measures described in thi
By signing this certificate neither the Inspector nor his emp	ployer makes any warranty, expressed or implied, concerning th
	er's Report. Furthermore, neither the Inspector nor his employs
hall be liable in any manner for any personal injury or proper	ry riamage or a loss of any kind arising from or connected with thi
aspection.	
William Efather com	missions
I A I D'U SEE O POT AND THE	

. Owner Vill gin	ia Electric & 1	Swee Co	**********	Date Dexem he	10,19	190	and the plant of the person.
5000 Dome	ion Blud Gla	a Alley VA	13060	Sheet	1		
	Plant North Anna Aower Station						
	Mine Ral VA 2			Bolting Prog	Agan on P.	90-8038 O. No., Job No.,	etc.
3. Work Performed b	Vinginia	Elactric a Par	er Co	Type Gode Symbol	4 17	Ø	
10. Box 40.	2 Mineral, VA	23/17		Authorization No.	1000		
	Address System Quench						
(b) Applicable Ec	onstruction Code B	ilized for Repairs	or Replacement	is 19 P3 5 P3	ddenda, Z	इंडिंग ६३८४ १८	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)
Value	III Gairnell	MA	MA	2-05-29	MA	Replaced Studs + Nuts	No
Value	ITT GANNEL	NA	MA	2-05-29	MA	StudsoNuts	No
		A STATE OF THE STA			THE STATE OF		1-4-
7. Description of W	ork Azzlacad 52	Jude a Nest	s become	e they were	CORRO	ded	

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

FORM NIS-2 (Back) 9. Remarks ASME C/933 2

Applicable Manufacturer's Data Reports to be ettached

4. 3/8'-24 x 1.81" ASTM A 193 GR B7 studs ASTM A 194 GRZH NUTS We certify that the statements made in the report are correct and this deflect and conforms to the rules of the repair or replacement CERTIFICATE OF COMPLIANCE ASME Code Section XI. Type Code Symbol Stamp Expiration Dute Aff 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 the described and employed by 14. 5, 8 7 4 7 00 of have, inspected the components described in this Owner's Report during the period 20. Sept 1990 to 27 Sept 1990, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this Inspector's Signature Commissions National Board, State, Province, and Endorsements

Date 13 Drc 1990

1. Owner Vinginia Electric & Pawer Co Name 5000 Dominios Bluel Colen Allen, VA 23060				Sheet of					
P.O. Box 402 Mineral VA 23117  Address  Name  P.O. Box 402 Mineral, VA 23117  Address				Bolling Page Roam 90-8040 Repair Organization P.O. No., Job No., etc.  Type Code Symbol Stamp MA  Authorization No. MA					
(b) Applicable Ed	Instruction Code A lition of Section XI Ut Components Repaired	ilized for Repairs	or Ruplacemen	ts 19 P3 5P3	ddenda∑	भू कें। १३(१) १५	Code Ca		
z. Itsellinealion of t		Trapiaced and F	repracement oc	migrorianta					
			National			Repaired.	ASME Code Stamped		
Name of Component	Name of Manufecturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)		
			Board				(Yes		
Component			Board			Replaced Stools & Mals	(Yes		
Component	Manufecturer		Board No.	Identification	Built	or Replacement	(Yes or No)		
Component	Alay ce	Serial No.	Board No.	Identification  2-CH-Mov-2391	Built	Replaced Studse Mals Replace mant	(Yes or No)		
Component	Alay ce	Serial No.	Board No.	Identification  2-CH-Mov-2391	Built	Replaced Studse Mals Replace mant	(Yes or No)		
Component Valve	Alay ce	Serial No.	Board No.	Identification  2-CH-Mov-2391	Built	Replaced Studse Mals Replace mant	(Yes or No)		
Component Valve	Alay ce	Serial No.	Board No.	1dentification  2-CH-Mov-2381  2-CH-MOV-2381	MA MA	Replaced Studie Mati Replace mant Studio Note	(Yes or No)		

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.

Remarks ASM				
8 1/2"-13 x	5" ASME SA	93 a LBT che	ta Reports to be attached	
1 1/11	ASME SA 195	- " /		
16 /2-13	A2ME SA199	grad nuts		
	CE	RTIFICATE OF COMP	LIANCE	
We certify ASME Code, Section		the report are correct a	nd this Red oce ment confe	orms to the rules of the
Type Code Symbol 5	Stamp NA			
The date of them.	- 1110		1	
Certificate of Autho	significan No. 1		Expiration Date 4/17	
Signed	& Yul	wood	Date Nev 30	19.90
Owner or	Owner's Designee, Title	/	Date	18
I the undersioned b		IFICATE OF INSERVI	CE INSPECTION and of Boiler and Pressure Vesse	Lamastan and the State
	G ( W ) A and em			inspectors and the Stat
Hart Land	CT		have inspected th	e components describe
in this Owner's Rep	port during the period 25	Sepi 199	D 10 30 NOU 145	and state the
			minations and taken corrective r	measures described in th
	accordance with the requirement			
			akes any warranty, expressed o	
			ort. Furthermore, neither the in	
	y manner for any personal in	jury or property damag	e or a loss of any kind arising fro	om or connected with th
inspection,	1			
Wolle	5/1/h	Commentering	UNTE	
	inspector's Signature	Commissions	National Board, State, Provin	nce, and Endorsements
Date 10 D	1090			

1. Owner Viaginia Electrica Passet Co  5000 Rominian Blad Glan Allan, VA 23060  2. Plan Narth Anna Power Station Name P.O. Bex 402 Ministel, VA 23117  Address  3. Work Performed by Viaginian Electrica Power Co				Date November 8, 1990 Sheet 1 01					
									Unit Z
				Bolting Program 90-8041  Appeler Organization P.O. No., Job No., etc.					
				Type Code Symbo	Stamp 2				
					02 Mineral, Address			Authorization No. Expiration Date	
	system Changing								
identification of 0	Components Repaired	or Replaced and I	Replacement Co	mponants					
Name of Component	Name of Manufacturer	Manufacturer Surial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamper (Yes or No)		
Jarge	MA	NA	MA	2-64-6-4	4/1	Replaced Studie a Mate Replacement	No		
Flange	MA	NA	MA	2-CH-F-4	1/1	studs a Nuts	No		
. Description of Wo	«Replaced ,	Flange St	udsaNut	G					

recorded at the top of this form.

Remarks ZZ =	ME Class2  Applicable Manufacturer's Data Reports to be attached
7 18	- 1 x3 / 5/M A 193 gx B1 studs
4 7/8"	9 ASME SA 194 gr 2H Nuts
	CERTIFICATE OF COMPLIANCE
We d	sertify that the statements made in the report are correct and this <b>Replace</b> and conforms to the rules of the repair or replacement
Type Code Syr	mbol Stamp N/A
Certificate of	Authorization No. MA Expiration Date November 9 1990
Signed	er or Owner's Designee, Title Engl Date November 9 , 19 90
<del></del>	
	CERTIFICATE OF INSERVICE INSPECTION
or Province of	ned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	s Report during the period 26 Sept 1990 to 2 MOU 1890, and state the
	my knowledge and belief, the Owner has performed examinations and taken corrective measures described in thirt in accordance with the requirements of the ASME Code, Section XI.
	this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations shall be liable	and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the
inspection.	
111111	a the war
which winds the Fin	Inspector's Signature Commissions National Board, State, Province, and Province and
Date / 5	- NO 1990
La Comment	annual and the Management and and Management and Management and American and Americ

Plant North P.O. Box Work Purformed b PO. Box	Anna Power Horald Address  How Mineral Address  Virginia Ele  How Mineral Address  Virginia Ele  How Mineral Address  ystem Reactor	r Station  1, VA. 2311  ctric + Pour  Name  1, VA 2311	7 <u>v Co</u>	Sheet 1 of Control of	egran nization P Stamp	90-8042 O. No., Job No.,	etc.
(b) Applicable Ed	nstruction Code Bition of Section XI Ut	ilized for Repairs	or Replacemen	ts 19 <u>83 58</u> 3	ddenda, 🗋	8,81,83(R),11S	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)
lalve	MA	MA	NA	2-RC-5V-2551A 2-RC-5V-2551A	MA	Replaced	No
lalve	NA	MA	NA	2-AC-54-2551A	NA	Replacement studs	No
	rk Raplesad St Hydrostatic Pr Other Pressure	neumatic No	minal Operatir	ng Pressure 🔀	titiento	ics on Rapla	ed stu

recorded at the top of this form.

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

	rks ASME Class 1
	13/8"-8 × 16" ASME SA 193 GR B 7 5/485
10	178-8 × 16 HSME SA 193 GRB ( STYRS
annine konstruction	
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this Alpha medical conforms to the rules of the
ASN	E Code, Section XI.
Тур	Code Symbol Stamp NIA
Cert	ficate of Author Patign No. NA Expiration Date NA
	de Lellah Engl Date November 28 1990
Sign	of Lovern bed 20 1990
	Owner or Owner's Designee, Title
/	CERTIFICATE OF INSERVICE INSPECTION
1 11	e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessei Inspectors and the State
	rovince of \$18.6 (N, R) and employed by (H, S, & I, + I, CQ of
present	Hete The risk CT. have inspected the components described his Owner's Report during the period 29 Jupit 1990 to 1 NOV 1980, and state that
	he best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	er'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 th
	ninations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe
	be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with thi
inst	ection.
	11.11 - 1/1
-34400	William & flate Commissions NA 518
	Inspector's Bignature Commissions National Board, State, Province, and Endorsements  B Dec 1920
Dat	B Dec 1920

2. Plant North Anna to Po Box 402 Min 3. Work Performed by Virgin P.O. Box 402 Min	Name  Name  Address	tion		Unit 2			
Po Box 402 Mes. Work Performed by Vingia	Address			011 1			
. Work Performed by Visgin	NAME OF STREET		ATTENDED TO STATE OF THE PARTY	Bolting Plog	AG AM	90.8043	
. Identification of System A	Address	9 23117	60	Type Code Symbol S Authorization No.	itamp N		
(b) Applicable Edition of Sec. Identification of Component							ASME
	iame of nufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stampe (Yes or No)
Valve M	4	NIA	NA	2-RC-SV-2551B	NA	Replaced stud Replacement	No
Value N/	4	NIA	MA	2-R1-5V-2551B		Replacement stud	N.
1							

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

	FORM NIS-2 (Back)
Remark	ASME Class 1
	Applicable Manufacturer's Data Reports to be attached
/	13/8"-8 x 16" ASME SA 193 9 RB7 stud
	CERTIFICATE OF COMPLIANCE
ASME	We certify that the statements made in the report are correct and this Assistance conforms to the rules of the Code, Section XI.
Type C	ode Symbol Stamp NA
Certific	Owner or Owner's Designee. Title
Signed	Owner or Owner's Designee, Title EngR Date New 18 1990
1	CERTIFICATE OF INSERVICE INSPECTION
	Indersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the Statione of $V$ is $V$ and employed by $V$ $V$ $V$ $V$ $V$ and employed by $V$
	Hart Co-d. CT have inspected the components describe Owner's Report during the period 29 Sept /520 to / Nov /880 , and state the
	pect of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in th
Dwner's	Report in accordance with the requirements of the ASME Code, Section XI.
	igning this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	ations and corrective measures described in this Owner's Report. Furthermore, neither the inspector par his employed. Bable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the
inspecti	
	Men 5 Mhen commissions VA 558
	Inspector's Signature Commissions VA 5 5 8  National Board, State, Province, and Endorsements

Date 10 Dec 1990

	wie Electric & Name		23060	Sheet					
	Arna Power			Unit 2					
	102 Minerol Address			Bolting Pa	Hization P	90-80	94		
	ov Viaginia Ela	1401116		Type Code Symbol Authorization No.	Stamp &	A			
	02 Mineral, Address System Recetor			Expiration Date	1A				
	Omponents Repaired								
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)		
Value	NB	MA	NIA	2-RC-5 V-2551C	MA	Replaced	No		
Valve	MA	MA	NIA	2-A(-5V-255/c	MA	Replacement stud	No		
	mange and a simple contract of the simple	·			A		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.

100	emarks // ) / / E C/415  Applicable Manufacturer's Data Reports to be attached
	Applicable Matter activities & Data Haports to be attached
	1 13/8-8 x16" ASME SA 193 gR B7 stud
	CERTIFICATE OF COMPLIANCE
4	We certify that the statements made in the report are correct and this Allactare conforms to the rules of the repair or replacement.
7	Vpe Code Symbol Stamp NA
	Signed Sweet or Owner's Designee, Title Expl. Date Nov 28 19.90
***	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 Commission and employed by 15 State 100
	have inspected the components described in this Owner's Report during the period 22 dept. 1990 to 2000 2900, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
4	Owner's Report in accordance with the requirements of the ASME Code, Section XI.
1	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, leither the Inspector nor his employe 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
	Inspector's Signature Commissions National Board, State, Province, and Endorsements  Date 13 2 1990

. Owner VIRGIA	in Electric + to	wer Co	-	Date October	34/99	0			
3000 Damie	ion Blud Colen	Aller, VA 2	3060	Sheet/_ol/					
Plant North &	Anna Power S	tation		Unit_2					
	02 Miredal UA			Balting Prop	A m	90-8047 O. No. Job No.	rto.		
3. Work Performed b	ov Vinginia Elec	trie o Power	60	Type Code Symbol	Stamp				
	402 Minera	5.73E107E		Authorization No., Expiration Date					
4. Identification of S	System Changin	9							
	lition of Section XI Ut								
						BARAS			
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)		
Component	Manufacturer	Serial No.	Board No.	identification		Replaced,	Code Stamped (Yes		
			Board			Replaced, or Replacement	Code Stamped (Yes		
Component	Manufacturer Va/aw	Serial No.	Board No.	Identification		Replaced, or Replacement	Code Stamper (Yes or No)		
Component	Manufacturer Va/aw	Serial No.	Board No.	Identification		Replaced, or Replacement	Code Stamped (Yes or No)		
Component	Manufacturer Va/aw	Serial No.	Board No.	Identification		Replaced, or Replacement	Code Stamped (Yes or No)		
Component Valve Valve	Manufacturer Va/aw	Serial No.	Board No.	Identification		Replaced, or Replacement	Code Stamped (Yes or No)		

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

9. Remarks ASME Clas 12 3/4"-10 x 5"	Applicable Manufacturer's Data Reports to be attached  ASTM A 193 9K B7 Studi
12 14-10 ASM	16 5A 194 galt on ASTM A 194 galt Nats
We certify that the standard ASME Code, Section XI.	CERTIFICATE OF COMPLIANCE rements made in the report are correct and this Appliasement conforms to the rules of the repair or replacement
Type Code Symbol Stamp	,
Signed Owner or Owner's De	Wishly ErgR Date October 31 1890
1	CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned holding a ve	Ild commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  A and employed by 1.1. B. L. AND L. 9.
in this Owner's Report during	have inspected the components described
	with the requirements of the ASME Code, Section XI.
By signing this certificate in examinations and corrective in	either the Inspector nor his employer makes any warranty, expressed or implied, concerning the neasures described in this Owner's Report. Furthermore, neither the Inspector nor his employer or any personal injury or property damage or a loss of any kind arising from or connected with this personal injury. Commissions A - 461 NB I National Board, State, Province, and Endorsements
Date NOVERHBER	5 1990

5000 Dominio		ever Co		Date Novemb	2 A M					
5000 Dominio		Owner Viaginia Flectair Fower Co								
	5000 Daminion Blud Gler Aller, VA 23060				Sheet/_ot/					
2. Plan North Aa	200,000			Unit 2						
1.0 Box 402				Bolting Prog	ARM inization P	90-8049	etc.			
3. Work Performed by	Vinginia Ele	taice fores	Com	Type Code Symbol	Stamp 4					
4.0. Box 403	Diff.			Authorization No.						
4. Identification of Sys	Accident									
(b) Applicable Edition  6. Identification of Cor										
Name of Component	Name of Manufacturer	Manufacturer Sc. lal No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)			
Valve	Creshy	N550044-	MIX	2-M5-5V-2011	MA	Replaced Studiostanage Replacement	No			
Valve	causby	N 55 0044"	MA	2-MS-3V-201A	MA	Stude	NO			
7. Description of Work	Replaced S	tuds, D.	amojed i	Galled To	reads	, Now Was	hers			
	Hydrostatic P Other Pressure V7-2									

recorded at the top of this form.

24 1/2	"-8 × 103/4" A "I0 × 23/4" 00	SAE Sacies N	C.S. Woshens	
We certi ASME Code, Secti	fy that the statements made on XI.	CERTIFICATE OF COM		conforms to the rules of the
Signed	Stamp N/A  POTIZATION NO N/A  OWNer's Designee, Title	Engl	Expiration Date 1/1	1 13 Nov 27, 19 90
7		PRINCIPLE OF LABOR	MAR INDECTION	
or Province of	, holding a valid commission	d employed by	Board of Boiler and Pressu	
in this Owner's F to the best of my		e Owner has performed e	xaminations and taken co	acted the components describe and state the crective measures described in the
examinations and	corrective measures descr	ribed in this Owner's Re nal injury or property dam	eport. Furthermore, neithe nage or a loss of any kind a	ressed or implied, concerning the the Inspector nor his employ rising from or connected with the
mu		Account Scientific	ns URSS	9

1.	owner Vingini	a Electric &	r Power Co		Date_November 14,1990 Sheetof					
	5000 Domin	ion Blvd G	en Allen, VA	23060						
2.	Plant North Ar			-	Unit 2					
	PO Box 402 Mineral, VA 23117  Address  Work Performed by Vinginia Electric & Power Co.  Name  PO Box 402 Mineral, VA 23117  Address				Bolting Program 90 - 8050 Repair Organization P.O. No., Job No., etc.  Type Code Symbol Stamp MA  Authorization No. MA					
	PO. Box 40	12 Mineral	, VA 2311	17	Expiration Date	Alu				
4.	Identification of Sy									
	(b) Applicable Edit									
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamper (Yes or No)		
	Valve	Crosby	NSS 0044-	MIA	2-MS-SV-2018	NIA	Replaced	No		
	Valve	Crosby	NSS 0044-	MIA	2-MS-SV-201B		Replacement	No		
7.	Description of Work	Replaced	Studs, Pan	m sped o	Galled Three	ds, I	Naw Wosher	14		

recorded at the top of this form.

12	13/8" - 8 × 10 3/4" ASME SA 193 gh 67	StudS
24	1/2 JOX 2 3/4 00 SAE Series N C.S. Washer	13
	CERTIFICATE OF COMPLIANCE	
	We certify that the statements made in the report are correct and this <u>Coo</u> Code, Section XI.	gcers to the rules of the or replaces, ant
Type Code	ode Symbol Stamp_N/A	
Certificate	ete of Authorization No. N.A Expiration De	te_ N A
Signed	Owner or Owner's Designee, File	Nov 27 19 90
	CERTIFICATE OF INSERVICE INSPECT	ION
or Province	ndersigned, holding a valid commission issued by the National Board of Boiler ince of Commission and employed by	
+69r	Owner's Report during the period 2.5 Sept 1889 to 18	have inspected the components describe
in this Ov	owner's Report during the period to the common to the comm	Laken corrective measures described in the
	Report in accordance with the requirements of the ASME Code, Section XI.	TOWN TO STREET THE STATE OF MESSALE HERE AT THE
By sign	ligning this certificate neither the Inspector nor his employer makes any warr	ranty, expressed or implied, concerning th
	stions and corrective measures described in this Owner's Report, Furthermo	
shall be lie inspection	liable in any manner for any personal injury or property damage or a loss of a	iny kind arising from or connected with the
maprection.		
H	Sellier & Hete Commissions Ul	515
	Inspector's Signature National B	oard, State, Province, and Endorsements
	2 000	
Date	3 Dec 1990	

1. Owner Vingin	o Florer.	- Paren Co		- Navensha	- 14	1000			
	The state of the s			Date November 14, 1990					
5000 Dom	Mion Blvd G	in Allen, V	A 23060	Shaetof					
2. Plant North	Anna Power	Station		Unit 2					
	DAMINER,		Bolting Agram 90-8051 Repair Organization P.O. No., Job No., etc.						
	by Vinginia Ele		r Co	Repair Organ Type Code Symbol 5			etc.		
Do O	50 0000	Name	,	Authorization No Expiration Date	M.	A			
	DQ Mineral Address			Expiration Date		1			
. Identification of S	System Main S	team							
	lition of Section XI U		or Replacemen	ts 19 <u>83 583</u>		8,81,83(R),115			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other identification	Year Buirt	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
Valve	Crosby	N550044- 00-0018	NIA	2-M5-5V-201C	NIA	Replaced Studs & Nuts	No		
Valve	Crosby	N2240AA-	NIA	2-M5-5V-2010		Replacement Studs + Muts	No		
. Description of Wo	rk Replaced	Studs & Nu	ts, lon	aged a Galla	276	Reads, New	Washe		
	Hydrostatic P	neumatic No	minal Operation	ng Pressure					
	arough 6 on this repo			be used, provided (1) (3) each sheet is num					

LIGHT WALKER	Class 2
12 13/8	11 - 8 x 10 3/4" ASME SA 1939 by Studs
12 131	8"-8 ASMESA 194 gr 7 nuts
24 1/2".	IO × 2 3/4" OO SAE series N C.S. Washers
We certify ASME Code, Section	that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement
Type Code Symbol 5	
	Fizarion No. NA Expiration Date NA
STRUBU	Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	nolding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
in this Owner's Rep to the best of my k	have inspected the components described port during the period 2 Sept 1990 to 16 MINU 1990, and state that chowledge and belief, the Owner has performed examinations and taken corrective measures described in this accordance with the requirements of the ASME Code, Section XI.
examinations and o	certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer warranty manner for any personal injury or property damage or a loss of any kind arising from or connected with the
well	FILE Commissions 24558
	nspector's Signature National Board, State, Province, and Endorsements
Date 3 100	19.90

Plant North A	on Blud (				Date November 14,1990					
Plant North A	5000 Dominion Blud Glen Allen, VA. 23060					Sheet of				
	Plant North Ang Power Station				unit Q					
P.O. Box 40			117		Gr G P	90-B052	etc.			
PO. Box 402	MINETE Address	VA 23117		Type Code Symbol ! Authorization No Expiration Date	Stamp A	/A				
(a) Applicable Constitution (b) Applicable Edition Identification of Com-	in of Section XI U:	tilized for Repairs	or Replacemen	ts 19 <u>83</u> 583	idenda, 🗋	3,81,83(R),115	Code C			
Name of Component	Name of Manutacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe (Yos or No)			
lalve !	Crosby	N550044-	NIA	2-MS-5V-202A	NIA	Replaced Studen nots	Na			
Jalve	Crosby	NSS0044- 00-0019	MA	2-M5-5V-202A	NIA	Replacement Studs + nuts	No			
Description of Work_	Replaced	Studs + Nu	its, lum	oged o galles	1 160	eads, New	Washer			
Tests Conducted H	Nydrostatic Prossure	neumatic [] No	ominal Operation	g Pres ure						

#### FORM NIS-2 (Brok)

Remarks	ASME Class 2	
12	1318"-8 × 10314" ASME	Manufacturer's Davi Reports to be attached SA 193 or 87 5+035
24	1 3/8" -8 ASME SA 1	194 gr 7 nuts
24	1/2" IO x 23/4" DO SAE se	ais N C.S. Washers
	We certify that the statements made in the re-	PORT are correct and this RCP QUENCT conforms to the rules of the
	Symbol StampN/A	
Cartificate	of Authorization No. NA	Expiration Dute M/A
Signes	lest,	Date 1 180 1 14 No. 27 19 90
embranenas i	CERTIFICA	TE OF INSERVICE INSPECTION
	irsigned, holding a valid commission issued by	y the National Board of Roller and Pressure Vessel Inspectors and the State of by $Z \in S$ , $Z \in Z$ , $Z \in Z$ , $Z \in Z$
Mar 1	Ford ct	have inspected the components described 25 1990 to 200 16 1990, and state the
	t of my knowledge and belief, the Owner he eport in accordance with the requirements of	as performed examinations and taken corrective measures described in this the ASME Code, Section XI.
examinatio	ons and corrective measures described in the	r his employer makes any warranty, expressed or implied, concerning the his Owner's Report. Furthermore, neither the Inspector nor his employer property damage or a loss of any kind arising from or connected with the
Wei	Inspector's Signature	Commissions UA 518 National Board, State, Province, and Endorsements
Dato 2	9 NOV 1890	

# As Reg. II. I by the Provisions of the ASME Code Section XI

(Bothing Karapi	MIN PRINCIPLE .		7 AL WELLBERTON							
1.	ON MER VIEWER	a Electric &	Prov Co.		Date November	r 14	1090	and the same of		
		nion Blvd		VA 23060	Sheet of					
2.		Anna Power			Unit_2					
	PO Box 4	117	Bolting Augram 90 - 8053 Repair Organization P.O. No., Job No., etc							
3.		Viginia F			Type Carle Symbol S	tamp 1	1-6	110		
	PO BOX 4	Authorization No Expiration Date	MIL		nth cross-circula.					
n.		Address ratem MRIA								
6.	(b) Applicable Edi	rection Code B sian of Scition XI Un components Repaired	Wiles for Repairs	or Replacement		Mendr B	3,81,83P.),US	Coox Syv		
	Name of Component	Name of Manufacturer	Menufacturer Derial No.	National Board No	Other Identification	Year Bullt	Replaced, Replaced, or Replacement	ASMF Code Stamped (Yes or No)		
-	Valve	Croshy	N55:044 -	NIA	2-MS-54-202B	NIA	Replaced Studies Nuts	No		
1	Valve	rosby	N220011-	MA	2-M3-5V-202B	MIA	Replanet Studs & Nots	Nø		
7	. Description of Wo	rk Keplaced	Stole & No	to, lam	god a gallos	e The	eads, New U	Vasheds		
8		hrough 6 on this repo	of lists, sketches,	or dia vings mu	y be used, provided (1 d (3) each sheet is not					

Flemerks MSP	E C1955 d
12 13/8	" - 8 x103/4" ASME SA 193 gr BT Studs
2: 13/9	"-8 ASNE SA 194 gr 7 nuts
	IOx 23/4"00 SAE series N C.S. Washers
We certi	CERTIFICATE OF COMPLIANCE  Ify that the statements made in the report are correct and this Redigueunt conforms to the rules of the report of t
Type Code Symbo	Norjaction No. MA Expiration Date MA
Sinner	Wowner's Designen, Title 672 R Date Albert Designen, Title 19.90
	CERTIFICATE OF INSERVICE INSPECTION
in this Owner's F	Report during the period 25 Sept 1980 to 16 AND 1990, and state that a knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	a accordance with the requirements of the ASME Code, Section XI,
examinations and	s certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the I corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer any manner for any personal injury or property damage or a loss of any kind arising from or connected with this Commissions.  Commissions National Board, State, Province, and Endorsements
Date	사용하다 하는 사람들이 되었다. 그렇게 되었다면 하는 사람들이 되었다면 하는 것이 없다면 하는데 없다면 하는데 되었다면 되었다면 하는데 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면

Parent "WITTEN	a Electric +	Power Co		DANK November	- 14	1990			
	nion Blvd G		23060	Sheetof					
	Anna Power			Unit 2					
PO Box	HOD MINES	al, VA. 231		Bolting Program	8m 9	0-P054	etc.		
P.O. Box 402 Mineral, VA. 23117				Type Code Symbol Stamp MA  Suthprization No. MA  Expiration Date MA					
Identification of S	votem Main S	team							
	ition of Section XI 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)		
			Commission of the second						
Value	Crosby	NSC0044-	MIA	2-MS-SV-2024	NIA	Replaced Studs + Nuts	No		
Valve Valve	Crosby		Alm Alm	2-MS-SV-2020			No No		

recorded at the top of this form.

	" ASME CLOSS 2
12	1318' - 8 × 10514 Applicable Manufacturer's Data Reports to be attached  ASME SA 183 gr B7 S+V45
24	1318"-8 ASME SA 194 gr 7 nuts
	1/2" 20 x 2 34" OD 5 A E series N C. S. Weshers
ASME	CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this Replacement conforms to the rules of the Code, Section XI.
	acte of Austrarization No. N/A Expiration Date N/A
Signed	19 14 16 1 1/19 14: 21 00 00
	CERTIFICATE OF INSERVICE INSPECTION
in this to the Owner	indersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the increments of Lie Components described in the inspected the components described of the period 25 Sept. 1880 to 16 May 1880, and state the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this seport 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 th

ent North  PO Box 4  fork Performed by  PO Box 4  clentification of Sy  a) Applicable Con  b) Applicable Evil	Ating Power Name  Or Mineral  Address  Virginia E  Address  Virginia E  Address  Vistern Main S  Instruction Code B  Ition of Section XI Ut	Station  VA 2311  VA 2311  Nome  1, VA 2311  Iteam  31.7 19	7 Jec Co. 1 69 Edition, or Replacement	19 87 382	N/A		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Cither Identification	Year Bullt	Repaired, Replaced, or Replacement	ASME Cr. & Stamped (Yes or No)
Value	Crosby	N550644-	NIA	2-MS-SV-203A	NA	Replaced Studs & Nuts	No
Valve	Crosby	N550044-	NIA	2-MS-SV-203A	N/A	Replicament study & prots	No.
Tests Conducted:	Hydrostatic Dother Pressur  VT-2  nental sheets in form	Pneumatic N	iominal Operati	° F			

Remarks	ASME Class 2
12	1318"-8 × 10314" ASME SA 193 gr B7 Studs
24	13/8"-8 ASME SA 194 gr 7 nots
24	1/2" I.O. x 2 3/4" O.O. SAE series N C.S. Washers.
	CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
ASME Co	de, Section XI. repair or replacement
	ALM
Type Cod	e Symbol StampN_A
Certificati	of Authorization No. NA Expiration Date NA
Signed	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION  ersigned, lead fing a yalid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
I, the und or Province	ersigned satisfing a yalid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	have inspected the components described wher's Report during the period 25 Sept 1880 to 16 Nov 1880 , and state that
in this O	wher's Report during the period 25 Sept 1880 to 16 Nov1880, and state that
	it of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in thi
	teport in accordance with the requirements of the ASME Code, Section XI.
	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 employe able in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this.
de	with the Commissions UP575
neroleo de la	Inspector's Signature Commissions National Board, State, Province, and Endorsements
0.00	Dec 1090

	ia Electric +		A 23060	Sheet o			
5000 Dominion Blvd Glen Allen, VA 23060 Plans North Anna Power Station Name				Unit 2			
			3			ON BAKE	
	2 Minerel			Bolting Proc	ization P	O. No., Job No.,	etc.
	v. Vinginia 6			Type Code Symbol S			
PO Box	402 Miner	el, VA 23	117	Authorization No Expiration Date	NIA		******
Identification of S	0.0						
Identification of C	Components Repaired	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)
Value	Crosby	N550044-	N/A	2-M5-5V-203B	NA	Replaced Studs & Nuts	No
	Crosby	N550044-	M/A	2-ms-sv-203B	NIA	Replacements Student Nuts	No
Valve							
Valve							
	* Redaud	Studs & No	ts, Dan	reged & Gall.	id 7	heeds, New	was

recorded at the top of this form.

Remarks	ASME CLASS	2		-		
12 1	3/8, -8 × 10	3/4" ASME S	A 193 gr	B7 Studs	hed	
24 1	13/8"-8 A	3/4" Applicable M SME SA 194	gr 7 nu	ts		
24 /	1/2" IO × 23	4"00 SAE	SERIES N	6.5. wash	eas	
	We certify that the sta de, Section XI.	CERTIFIC tements made in the rep	CATE OF COMPLI	ANCE REPOSEEN	conforms to the	e rules of the
	Symbol StampN	AllA		N	Δ	
Signed 2	of Authorization No.	wall		Date Date	Nov 27	19 90
/		CERTIFICAT	E OF INSERVICE	INSPECTION		
I, the unde	ersigned, holding a val	d commission issued by	the National Board	of Boiler and Press	ure Vessel Inspector	
in this Ow to the best	vner's Report during t of my knowledge ar	the period 25 delief, the Owner has lift the requirements of t	Sept 1980 performed exami	2 to 6 No	V 1880	
examinatio shall be lia inspection.	ons and corrective me able in any manner fo	ither the Inspector nor leasures described in this rany personal injury or p	Owner's Report. property damage o	Furthermore, neith r a loss of any kind	her the Inspector no	r his employ
-4	Inspectors Si	Ineture	Commissions	National Board, Sta	ite, Province, and En	dorsements
		19.20	Commissions	National Board, Sta	ste, Province, and En	dorsements

Plan North Anna Power Station Plan North Anna Power Station P.O. Box 402 Mineral, VA 23117				Unit 2					
				Botting Progre			rte.		
Work Performed by	, Virginia Ele	CTIC & fow	er Co	Type Code Symbol S Authorization No.	tamp/	VIA			
PO BOX 4	O2 Mineral	, VA. 2311		Expiration Date					
	vstem Main St					/			
	tion of Section XI Ut omponents Repaired								
Name of Component	Name of Manufacturer	Manufacturer : Serial No.	National Board No.	Other Identification	Yoar Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
Value	Crosby	NSS 0044-	NIA	2-15-54-2536	NIA	Replaced Studs + Nuts	No		
Value	Crosby	00-003A NE200AA-	://A	2-145-54-2030	MA	Replacement Study + NUTS	No		
Description of Wo	rx Replaced	Studs + No	ts Dam	eged + Golle	STA	reads, New	Work		

	ASME Class 2
12	1318 - 8 x 10 3 ky Applicable Menufacturer's Date Reports to be effected
24	1318"-8 × 10314" ASME SA 193 gr B7 Studs
24	1/2" IO x 2"/4" OD SAEseries N C.S. washers
ASME (	CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this Copic not to conforms to the rules of the Code, Section XI.
	ote Symbol Stamp NA  Expiration Date NA  Owner or Owner's Designee, Title  Date Manual No. NA  Expiration Date NA  Owner or Owner's Designee, Title
7	CERTIFICATE OF INSERVICE INSPECTION
	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stational Board of Boiler and Pressure Vessel Inspectors and the Stational Board of Boiler and Pressure Vessel Inspectors and the Stational Board of Boiler and Pressure Vessel Inspectors and the Stational Board of Boiler and Pressure Vessel Inspectors and the Stational Board of Boiler and Pressure Vessel Inspectors and the Stational Board of Boiler and Pressure Vessel Inspectors and the Stational Board of Boiler and Pressure Vessel Inspectors and the Stational Board of Boiler and Pressure Vessel Inspectors and the Stational Board of Boiler and Pressure Vessel Inspectors and the Stational Board of Boiler and Pressure Vessel Inspectors and the Stational Board of Boiler and Pressure Vessel Inspectors and Ins
in this	have inspected the components describe Owner's Report during the period 25 Sept 1990 to 16 Nov 1990, and state the best 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.
	signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examina shall be inspecti	etions and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employed liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the

5000 Domi	R Electric + f	en Allen, VA	23000	Sheetof.	1		
Marie North	Anna Power	Station		Unit Q			
PO BOX 4	MINERAL SO	, VA 2311		Bolting Arage	m 90	0-8058	ito,
Nork Performed by	Work Performed by Vinginia Electric + Pauler Co.				tamph		
	102 MINETE			Authorization No	NA		
	Address yetem Main S						
Identification of C	omponents Repaired	or Replaced and R	eplacement Co	mpanents			
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)
Valve	Crosby	NSS0044-	NA	2-MS-SV-204A	NA	Studs & Nuts	No
Value	Crosby	NESO0-14-	~/A	2-1-5v-201A		Replacements Study & Nuts	No
		all and the second second					
	and an every facilities when	CAURC L M	uts Da	maged a Gol	ed T	heads, New	Wast
Description of Wo	in Replaced	21/10 4 10	minimus production				

	ASME CLOSS 2
12 1	3/8" - 8 × 103/4" ASME SA 193 on BT Study
24	3/8" - 8 × 103/4" ASME SA 193 gr BT Studs  13/8" - 8 ASME SA 194 gr 7 rut:
24 /	1/2" IO x 234" OD SAE series N C.S. washers
	CERTIFICATE OF COMPLIANCE (e certify that the statements made in the report are correct and this Replacement conforms to the rules of the
ASME Cod	e, Section XI.
Type Code	Symbol Stamp N A
Certificate	Expiration Date
Signed	Swiner or Owner's Designee, Title
1	CERTIFICATE OF INSERVICE INSPECTION
1, the unde	raigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors and the State
or Province	of VIRGINIA and employed by H & BIFF CO
	there inspected the components described
	ner's Report during the period. \$5 Sept. 980 to 16 And 1890, and state that of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	sport in accordance with the requirements of the ASME Code, Section XI.
	ing this cartificate 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
shall be list inspection.	ble in any manner for any personal injury or property damage or a loss of any kind arising from or connected with thi
10	11
	Inspector's Signature Commissions National Board, State, Province, and Endorsements
Dete_3	Dec 18 80

owner Virginia Electric & Power Co.  Sooo Dominion Blud Glen Allen, VA 23060  Plant North Anna Power Station  Norma  P.O. Box HO2 Mineral, VA 23117  Work Performed by Virginia Electric & Power Co.					Sheet of Unit 2  Botting Program 90-8059  Repart Organization P.O. No., Job No., etc.  Type Code Symbol Stamp NA					
		Minera Regress	14.01110		Authorization No Expiration Date	NIA				
		Address tem Main			Expiration Date					
(b)	Applicable Editi	truction Code B on of Section XI Ut nponents Repaired	Ilized for Repairs	or Replacemen	19 83 583	ddends,_	8,81,82(11),115	Code Car		
(	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Etamped (Yes b. No)		
V	و الد	Crosby	N550044-	MIA	2-MS-SV-204B	NIA	Replaced Studs + Nots	No		
V	alve-	Crosby	NESCONG- 00-0026	MIA	2-Ms-sv-204B	NIA	Replacement Studs & Nuts	N.		
	its Conducted:	Replaced S  Hydrostatic Pressure	neumatic [ ] No	minal Operation		d 761	leads, New	Wash		

recorded at the top of this form.

Remarks ASME Clas	55 2
12 13/8" -8x	10 3/4" ASME SA 193 gr B7 Stv35
24 13/8" -8	ASME SA 194 gr 7 nuts
	3/4"00 SAE seeis N C.S. washers
We certify that the	CERTIFICATE OF COMPLIANCE e statements made in the report are correct and this Replement conforms to the rules of the
ASME Code, Section X1.	repair or replacement
Type Code Symbol Starnp	NIA
Certificate of Authorization	No. NA Expiration Date NA
Signed Owner or Owner's	tall track Date Hours New 27 1990
7	CERTIFICATE OF INSERVICE INSPECTION
	a valid commission issued by the National Board of Soiler and Pressure Vessel Inspectors and the State $A$ and employed by $A$ $A$ $B$ $B$ $B$ $C$ $C$ $C$ of
to the best of my knowled	have inspected the components described ring the period 25 Sept 1990 to 16 NOU 1990, and state that ge and belief, the Owner has performed examinations and taken corrective measures described in this acceptable to the ASME Code, Section XI.
examinations and corrective	te neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the re measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer er for any personal injury or property damage or a loss of any kind arising from or connected with this
Wellen	Commissions VATI & National Board, State, Province, and Endorsements
Date 5 100 c	19.90

owner Virgini 5000 Domi Pient North & PO Box 40 Work Performed by PO Box	Sheet of Unit Balting Regram 10-8060 Repair Organization P. J. No., Job No., etc.  Type Code Symbol Stamp VIA Authorization No. NIA Expiration Date NIA						
	struction Code <u>B</u> ion of Section XI Ut			W70 Ad	denda,	8,81,83(8),115	Code Case
Identification of Co	omponents Repaired	or Replaced and Re	eplacement 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)
Valve	Crosby	NS50044-	AIM	2-MS-5V-204C	NIN	Replaced Stude a Nutr	No
Valve	Crosby	NSS0044-	NIA	2-M5-SV-204C	MA	Replacement Studs + Mts	No.
Description of Wor	* Replaced	Studs & No	+3, Pa	mozed & Goll.	ed Zi	reads, New	Wash
NOTE: Suppleme	VT-2 intal sheets in form	of lists, sketches, o	Test Temp.,	y be used, provided (1)			

Pemarks ASME Class 2	
12 1318 - 8 x 10 34 ASME SA 193 gr B7 Studs	
24 1318" - 8 ASME SA 194 gr 7 nuts	
24 1/2"ID × 23/4"OD SAE series N C.S. washers	
CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this Conforms to the rules ASME Code, Section XI.	of the
Type Code Symbol Stamp NA Expiration Date NA	
Signed Signed Engl Date For 1270 Nov 27 19.2	90
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and to Province of Use 6 10 1 and employed by H.S. 8 R + T. C.O.  have inspected the components of the first of the components of	
in this Owner's Report during the period / P Cs T /950 to 6 N P / 7580 and s to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures describe Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate heither the Inspector nor his employer makes any warranty, expressed or implied, concer examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected inspection.  Commissions  Netional Board, State, Province, and Endorse.	employer with this
Date_ 7 Dec	

1. Owner Vingin  5000 Demi  2. Pierre North  PO. Box 6  PO. Box  PO. Box	Sheet of 15, 1990  Sheet of 2  Unit 2  Bolting Program 90-8061  Repetr Organization P.O. No., Job No., etc.  Type Gode Symbol Stamp NA  Authorization No. NIA  Expiration Data NIA						
6. Identification of S  5. (a) Applicable Co (b) Applicable Ed  6. Identification of C	nstruction Gode	317 19	or Replacemen	19 83 583	ddenda, 🗌	8,81,83(R),15	Code Ca
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampes (Yes or No)
Valve	Crosby	N550044-	MIA	2-M5-5V-205A	NIA	Replaced Stuas + Nuts	Nu
Valve	Crosby	NES0044-	NIA	2-MS-SV-205A		Replecements Studs & Mets	No
7. Description of Wo				o Pressure X	l thei	eols, New W	Vashed.

P. Flemarks ASME Class 2	
12 13/8" -8 × 10 3/4" Applicable Manufacturer's Data Reports to be attached	
24 1318" - 8 ASME SA 194 gr 7 nots	
24 1/2" IOx 23/4" OO SAE series N C.S. washers	
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.	he
Type Code Symbol Stamp NA  Certificate of Austrization No. NA  Signed Signed Date Tooks New 27, 19 90	
Signed Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
	01
have inspected the components described in this Owner's Report during the period 25 Sept 1990 to 16 NOV 1990, and state to the best of my knowledge and belief, the Owner has performed exeminations and taken corrective measures described in 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 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.  Commissions  Commissions  National Board, State, Province, and Endorsement	h this
Date 30 MOV 19 90	

Plant North PO. Box	Unit 2  Botting Program 90-8062  Repair-Organization P.O. No., Job No., etc.						
PO Box	y Virginia Ele 402 Miner Address	ctric + Pour Name al, VA 23	is Co.	Type Code Symbol I Authorization No Expiration Date	Stamp		etc.
(a) Applicable Co	System Main Sonstruction Code Billion of Section XI U	31.7 19.	or Replacemen	11 19 83 583	ddenda, 🗋	8,81,83(R),115	Code Ca
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamper (Yes or No)
Valve	Crosby	N550044-	NIA	2-MS-SV-205B	NIA	Replaced Studs + Nots	No
Value	Crosby	4220 end	NIA	2-MS-5V-205B	MIA	Replacement Studs & Nuts	No
	rk Replaced	Studs + Nu	ts, Dam	aged o Gallo	8 76	Reads, New	Wash

recorded at the top of this form.

B. Remarks ASME Class 2	
	ME SA 193 gr B7 studs
24 13/8" -8 ASME SA	194 gr 7 nuts
	FE SARIES N C.S. WOSHERS
	CERTIFICATE OF COMPLIANCE In the report are correct and this Reprisentation conforms to the rules of the repair or replacement
Type Code Symbol StampNA	
Signed Owner's Designee, Title	Expiration Date November 27, 19 90
CE	RTIFICATE OF INSERVICE INSPECTION
in this Owner's Report during the period.	n issued by the National Board of Boiler and Pressure Vessel Inspectors and the State lemployed by ASAFTCO of have inspected the components described 25 Seper 1990 to 16 MeV 1990, and state that Owner has performed examinations and taken corrective measures described in this ements of the ASME Code, Section XI.
examinations and corrective measures descri	pector nor his employer makes any warranty, expressed or implied, concerning the libed in this Owner's Report. Furthermore, neither the Inspector nor his employer if injury or property damage or a loss of any kind arising from or connected with this Commissions  Commissions  National Board, State, Province, and Endorsements
Date 30 NOV 199	

	nion Blud 6			Sheetof				
Plant North	Ama Powe	r Station		Unit 2				
PO Box 1	Boltine Progr	apa C	0-8063	etc.				
PO. Box	VITGINIA EI 402 Miner Address Votem Main S	91, VA 231	mer Co.	Type Gode Symbol ! Authorization No Expiration Date	Stamp			
(a) Applicable Co (b) Applicable Ed		331.7 10.	or Replacemen	n 19.75.583	delenele,	78,81,83(c),115	)Code 0	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other (dentification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe (Yes or No.	
Valve	Crosby	NSS6044-	NIA	2-M5-5V-205C	NIA	Replaced Studs + Nuts	No	
Valve	Crosby	NESO044-	N)A	2-M5-5V-205C	NIA	Replement Study + Norts	No	
Description of Wo	* Replaced	Studs + Nuts	S Dame	ged & Galles	074	and s Alam	Un. (.	
Tests Conducted	Hydrostatic P		minal Operatio	ig Pressure 🚫	- C.K.	onne, ir aw v	ERLE	

Remarks ASME Class 2	
12 13/8"-8 × 103/4	Applicable Manufacturer's Data Reports to be attached ASME SA 193 gr B7 Stulis
24 13/8 -8 ASME	SA 194 gr 7 stu15
	D. SAE series N C.S. washers
We certify that the statement ASME Code, Section XI.	CERTIFICATE OF COMPLIANCE to made in the report are correct and this Report are conforms to the rules of the repair or replacement
Type Code Symbol Stamp N/A	
Certificate of Austrorization No. N.	Expiration Date N/A
Signed Owner's Designee,	Expiration Date NA Nov. 27, 19.90 Title
	CERTIFICATE OF INSERVICE INSPECTION
	inission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	riod 25 Sept 1990 to 16 Web 1990, and state that
	ef, the Owner has performed examinations and taken corrective measures described in this requirements of the ASME Code, Section XI.
	the Inspector nor his employer makes any warranty, expressed or implied, concerning th
	described in this Owner's Report. Furthermore, neither the Inspector nor his employe
shall be liable in any manter for any prinspection.	personal injury or property damage or a loss of any kind arising from or connected with th
00 11	
Wellew Thehn	re Commissions LASSX National Board, State, Province, and Endorsements
inspactor's Signatu	National Board, State, Province, and Engorsements
Date 29 NOV	1990

Owner Ving INIA	Electric & Paw	en Co		Date November	79/9	90	
5000 Dominio	· Blud Glan	Aller, VA 2:	3060	Sheet	1		
	Arac Power 5			Unit 2			
P.O. Dex 40	2 Mineral VA	23/17		Rek 90-225	Bolting	Program 9	0.806
Wo. k Performed b	Vinginia Election 22 Mineral Address	Air & Power	<u>Co</u>	Type Code Symbol Authorization No., Expiration Date	Stamp N		(C.
(b) Applicable Ed	Instruction Code 2 3	Ilized for Repairs	or Replacement	ts 19 83 583		79, 81, 43(R) 115	
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)
lalve	Walwarth	5-61482	NA	2-145-95	149	Repaired	No
lalve	Walwesth	c-61482	NIA	2-145-95	MA	Studs a Nats	No
loke	Walwarth	C-6/482	MA	2-M5-95	MA	studis eNats	N'e
					-		

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

14 5/8"-11×5" ASTM A193	e Manufacturer's Data Reports to be attached  ABT OR ASME SA 193 24 B7 Studies
28 /0-11 ASME SAI	e Manufacturer's Data Reports to be attached  ABT OR ASME SA 193 ga B7 Studs  94 ga 24 Nuts
	report are correct and this Representant conforms to the rules of the
ASME Code, Section XI.	repair or replacement
Type Code Symbol Stamp N/A	
Certificate of Austrorization No. V/A	Expiration Date N/A
1201:11	
Signed Owner's Designee, Title	Ecgn Date Nov 29 19.90
	CATE OF INSERVICE INSPECTION
or Province of 4 cells for and employed	by the National Board of Boiler and Pressure Vessei Inspectors and the Stat
and the state of the second	have inspected the components described
n this Owner's Report during the period / = c	267 1980 to 1 NOV 1880 , and state the
	has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements	
	nor his employer makes any warranty, expressed or implied, concerning the
	this Owner's Report. Furthermore, neither the Inspector nor his employed or property damage or a loss of any kind arising from or connected with this
inspection.	
111-11	
Inspector's Signature	Commissions National Board, State, Province, and Endorsements
Department Clause is	Mational board, State, Province, and Endorsements
Inspector's Signature	

1. Owner Vingence	Electaria Pou	u Ca		Date Forenens	19,1	99/	
5000 Pomin	in Blad Colen	Alleg VA 23	060	Sheet	H		
2. Plan North A				Unit 2			
						. 91. Ros	25
LO. Box 400	Production and the		CONTRACTOR	Bolting to			rte.
3. Work Performed by	Virginia Elec	Name Power	Ce	Type Code Symbol Authorization No.,		K	
1.0. Don 402	Minare / V	# 23/17		Expiration Date			
4. Identification of Syl							
	ion of Section XI Ut	ilized for Repairs		19. P3 5 P3		ę e į e sca ) (15_	
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)
sping Hanger	GRIENELL	NA	4/1	2. CH. SH-005	MA	Replaced Stud eNuts Replacement	No
Spring Hunger		M	0/8	2-CH-SH, 005	NA	stred a weeks	No
7. Description of Wor	n Replaced stu	don'ts, s	tud was t	a short for pr	upes to	seed sagge	med
8. Tests Conducted:	Hydrostatic ☐ F Other ☑ Pressure  V7-3						
	rough 6 on this repo			y be used, provided of (3) each sheet is n			

Romarks ASME C/	'est
1 3/4"-10 x 5" A	STM A THE 325 Type / Stud.
2 3/4"-10 ASME. fookage was appl All work was perform	SA 194 gad Hauts. Work was performed before ROR NAIL-0090 was written to address this discarge and to code.
We certify that the ASME Code, Section X1.	CERTIFICATE OF COMPLIANCE statements made in the report are correct and this Affect as a conforms to the rules of the
Type Code Symbol Stamp	yA
Certificate of Authorization N	io. MA Expiratic Oute MA
Signed Owner or Owner or	lead Designee, Title Grand Deto January 21 1991
/	CERTIFICATE OF INSERVICE INSPECTION
	valid commission issued by the National Board of Boiler and Pressure Vessel inspectors and the State 9
in this Owner's Report during	have inspected the components described to period 10 oct 1990 to 26 oct 1990, and state the
	and belief, the Owner has performed examinations and taken corrective measures described in this e with the requirements of the ASME Code, Section XI.
examinations and corrective	neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer for any personal injury or property damage or a loss of any kind arising from or connected with this
Million 5 (napector	
Date Bl Jan	10.5/

. Owner Vingicia	Electric & Paul	es Co	and the second	DATE TOWNERS	19,19	9. L	
5000 Pomis	on Blad Colen	Alley VA 2	3060	Sheet c	1		
2. Plant North A.	Lan Power Sta	tina		Unit 2			
Lo. Box 40.	2 Mineral VA	23/17		Bolkie's Pro	g Agent	91-0036 0 No. Job No.	110
3. Work Performed by	Vingeria blant		<u>Ca</u>	Type Code Fymbol Authorization No.	Stamp L		
4. Identification of Sy	and the same of th			ENDITORIO E			
6. Identification of C	omponents Repaired	or Replaced and 5	Replacement Co	mponents			ASME Code
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Budt	Repaired, Replaced, or Replacement	(Yes or No)
Spring Hangel	GRIENE!	2/4	MA	2. RC-5H-1	MA	Restaced Steel & Note Restacement	No
Eping Housen	GAIRALL	M	44	2.RC-3H-1	418	StuloNate	No
	THE RESERVE AND ADDRESS OF THE PARTY OF THE	A STATE OF THE PARTY OF THE PAR					
				1	1		1
7. Description of Wo	ex Installed	missing sp.	uses bolt	endauts		A	

recorded at the top of this form.

Remarks ASME Class	
1 12-13 x 3 1/2" ASME SA 193 3 R B7 184	n Repurs to be a liched
2 /2-13 ASME SA194 gal Hauts. Work was approved by ANTT. D.R. Was we Han was performed to code	to address this disceptancy. All
CERTIFICATE OF COMP	LIANCE
We certify that the statements made in the report are correct a ASME Code, Section XI.	conforms to the rules of the
Type Code Symbol Stamp	
C. Icate of Authority up No. NA	xpiration Date
	Date January 21 1981
CERTIFICATE OF INSERVI	CE INSPECTION
1, the undersigned, holding a valid commission issued by the National Bo or Province of UIFG IN IN and employed by IFG	and of Boiler and Pressure Vescel Inspectors and the State
in this Owner's Report during the period 10 ent 90 to the best of my knowledge and belief, the Owner has performed exa Owner's Report in accordance with the requirements of the ASME Code	minations and taken corrective measures described in this
By signing this certificate neither the Inspector nor his employer mexaminations and corrective measures described in this Owner's Reposhall be liable in any manner for any personal injury or property damaginspection.	akes any warranty, expressed or implied, concerning the rt. Furthermore, neither the inspector nor his employe
Commissions commissions	National Board, State, Province, and Endorsements
Date 21 Jan 1991	

	NIA POWE			Date OCTOBER 19,1990				
5000 Rm	NION BLY	, GLENAU	EN, Va 230	Sheet	1_2-			
Flant HORTH	ANNA POW	P. STADO	DF)	Unit 2				
Po Box 4	OZ MINERA	AL, VA 23	5117_	MMP.P.HS	5-1,2	PT-79.0	2.PT	
	VIRGINIA			Type Code Symbol			etc.	
	402, MW	1.76 M 1 1 1 AD	23117	Authorization No Expiration Date		DA		
	vstem FE.EDV							
	tion of Section XI Ut omponents Repaired of FKATION							
							ASME Code Stampeo	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Netional Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	(Yes or No)	
			Board			Replaced,	(Yes	
			Board			Replaced,	(Yes	
			Board			Replaced,	(Yes	
			Board			Replaced,	(Yes	
			Board			Replaced,	(Yes	
Component		Serial No.	Board No.	Identification	Bullt	Replaced, or Replacement	(Yes	
Component	Manufacturer	Serial No.	Board No.	Identification	Bullt	Replaced, or Replacement	(Yes	

recorded at the top of this form.

CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, how single a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and to a State or Province of LIRE MA and employe Health State of have inspected the components described in this Owner's Report during the period Lie of Ligo to Province of Manual Board of Boiler and Pressure Vessel Inspectors and to a 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 ce difficate neither the Inspector nor his employer makes any we can'ty, 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 the inspection.		
CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, how single a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and to a State or Province of LIRE MA and employe Health State of have inspected the components described in this Owner's Report during the period Lie of Ligo to Province of Manual Board of Boiler and Pressure Vessel Inspectors and to a 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 ce difficate neither the Inspector nor his employer makes any we can'ty, 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 the inspection.	We certify that the statements made in the report are	correct and this REPLACEMEN conforms to the rules of the
Owner or Owner's Designee, Title  CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, ho'ding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of LIRS and and employer - Haster of State Bellew I f f co or have inspected the components described in this Owner's Report during the period of the Design of the Design of the State of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any we analy, 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 the inspection.	Type Code Symbol Stamp	
CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, he ding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRG and and employer that First State of Pressure Vessel Inspectors and the State of Province of VIRG and and employer that First State of Pressure Vessel Inspectors and the State of Province of VIRG and employer that First State of Pressure Vessel Inspectors and the State of Pressure Vessel Inspectors and the State of Pressure Vessel Inspectors and the State of Pressure Vessel Inspector of the State of Pressure Vessel Inspector and the State of Pressure Vessel Inspector and the State of Pressure Vessel Inspector of the State of Pressure Vessel Inspector and the Sta	Certificate of Authorization No.	Expiration Date
I, the undersigned, he'ding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Life and and employer. Health of State Boiler of Pressure Vessel Inspectors and the State of Province of Life and and employer. Health of State Boiler of the components described in this Owner's Report during the period of 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 we anty, 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.		Date / 0-2/ 19.90
or province of VIRG CA and employe. Hasters Steam Beller I f CO or have inspected the components described in this Owner's Report during the period I call 1900 to 1900 to 1900 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 we anty, 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.	CERTIFICATE OF	INSERVICE INSPECTION
Inspector's Signature National Board, State, Province, and Endorsements	or Province of VIEC PIA and employed And the Tree of CT in this Owner's Report during the period of the Description of the Description of the Description of the AS By signing this certificate neither the inspector nor his examinations and corrective measures described in this Own shall be liable in any manner for any personal injury or proper inspection.	have inspected the components described in ME Code, Section XI.  Seloyer makes any we unity, expressed or implied, concerning er's Report. Furthermore, neither the inspector nor his emplity damage or a loss of any kind arising from or connected with a series of the concerning from the concerning that the concerning that the concerning from the concerning that the concerning from the connected with the concerning from the connected with the components of the components described in the components descr

### SUPPLEMENTAL SHEET

ATTACHMENT III

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OF REPLACEMENTS Side 1 of 1
As Required by the Provisions of the ASME Code Section XI

Owner VIRGINIA POWER	DOW OCTOBER 19,1990
5000 DOMINION BLYD SL NALLEN, VA 23	06 Sheer 2 or 2
PIAN MORTH ANNA POWER STATION	Unit 2
POBOXAGE MINSPAL, NA. 23117	MMP.P.HSS-UZ-PT-79.0, 2-PT-79 Repeir Ch., Institution P.O. Ho., Job No., etc.
Work Performed by VIRGINIA FONGE	Type Code Symbol St. ep NA
PO BOY AOS MINISPAL VA 23117	Authorization No.
Identification of system FEEDWATER	
(a) Applicable Construction Code 5317 19 69 Editi	- 70 444-789183/6\15
(b) Applicable Edition of Section XI Utilized for Repairs or Repl	

6 Identification of Components Repaired or Replaced or Replacement Components

Name of Manufactures	Mapufacturer Serial No.	National Board No.	Other Identification	Year Bulk	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	REASON FOR REPLACEMENT	WORK ORDER NUMBER
ITTEPIANELL ITTEPIANELL ITTEPIANELL ITTEPIANELL	3047 3044		2-EW-HSS 2-EW-HSS 2-EW-HSS 2-EW-HSS 2-EW-HSS 2-EW-HSS	90 85 90 85	DEPLACEUR REPLACED REPLACEURM DEPLACED	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FOR SEAL	107450 107450 107443 107443 107443 107443
	Madulactura  LITERIALELL  LITERIALELL  LITERIALELL  LITERIALELL  LITERIALELL	Madulacture Serial No.  ITTSPINIBIL 5037  ITTSPINNEU 5019  ITTSPINNEU 3047  ITTSPINNEU 3044  HTTSPINNEU 3016	Name of Maduracturer Board No.  LITTERIANELL 5037 N/A- LITTERIANELL 5019 N/A- LITTERIANELL 3047 N/A- LITTERIANELL 3016 N/A- LITTERIANELL 3016 N/A-	Nation of Manufacturer Serial No. No. Identification  INTERNALISH 5037 N/A 2-50-55  INTERNALISH 5019 N/A 2-50-65  INTERNALISH 3047 N/A 2-50-65  INTERNALISH 3047 N/A 2-50-65  INTERNALISH 3044 N/A 2-50-65  INTERNALISH 3045 N/A 2-50-65  INTERNALISH	Name of Manufacturer Scrial No. Identification Bulk  ITTSPINIEU 5037 NA 2-FW-HSS 85  ITTSPINIEU 5019 NA 2-FW-HSS 85  ITTSPINIEU 3047 NA 2-FW-HSS 85  ITTSPINIEU 3044 NA 2-FW-HSS 90  ITTSPINIEU 3016 NA 2-FW-HSS 95	Name of Madufacturer Serial No. Identification Buffi or Replaced or Replacement Internal Inte	Name of Maduracturer Serial No. National Board Other Identification Bulk or Replacement or No.  LITTERIANS SOLVEN	Name of Maduracturer Serial No. No. Identification Buffl, or Replacement or No. REPLACEMENT    TIGHNAFIL 3047 N/A 2-FN-HSS 90 REPLACED NO. FOR SEAL ITTERIANELL 3047 N/A 2-FN-HSS 90 REPLACED NO. FOR SEAL ITTERIANELL 3044 N/A 2-FN-HSS 90 REPLACED NO.

2000 DOM	LION BLUD G	ILLIALIEN,	VA. 7306		1		
	ANNA Fru	obr Sta	tool.	Unit Z			
Po Box 40	Z MINBRA	LVA 23	117_	MMP.P. 145	5.1,2	PT.79,0	2.PT.7
	, VIRGINIA	POWER		Type Code Symbol		NA	
PABOXA	102 MINER	AL, VA.	23117	Authorization No Expiration Date	1	V/A	
I. Identification of S	ystem RECIRC	MOTALU	SPRAN	?			
	ition of Section XI Uti omponents Repaired o						
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)
			Board			Replaced,	Code Stamped (Yes
Component	Manufacturer	Serial No.	Board			Replaced, or Replacement	Code Stamped (Yes or No)
Component	Manufacturer	Serial No.	Board			Replaced, or Replacement	Code Stamped (Yes or No)
Component SHUBBER SHUBBER	Manufacturer  ITTERINDELL  ITTERINDELL	Serial No.	Board			Replaced, or Replacement	Code Stamped (Yes or No)

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

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 United Advantage and employed by Anatheral State Inspector and the State of the Owner's Report during the period. If 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 the period of the Island of the Island or Province and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the Owner's Report. Furthermore, neither the Inspector nor his employer that is the Island of the Island or an owner or connected with the Island or property damage or a loss of any kind arising from or connected with the Island or property damage or a loss of any kind arising from or connected with the Island or property damage or a loss of any kind arising from or connected with the Island or property damage or a loss of any kind arising from or connected with the Island or property damage or a loss of any kind arising from or connected with the Island or property damage or a loss of any kind arising from or connected with the Island or property damage or a loss of any kind arising from or connected with the Island or property damage or a loss of any kind arising from or connected with the Island or property damage or a loss of any kind arising from or connected with the Island or property damage or a loss of any kind arising from or connected with the Island or property damage or a loss of any kind arising from or connected with the Island or property damage or a loss of any kind arising from or connected		Applicable Manu	facturer's Data Reports to be ettached	
We certify that the statements made in the report are correct and this PEPLIX EMEN conforms to the rules of the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Aumorization No.  Expiration Date  Date / U = 2/ 1990  Certificate of Aumorization No.  Expiration Date  Date / U = 2/ 1990  Certificate of Aumorization No.  Expiration Date  Date / U = 2/ 1990  Certificate of Aumorization No.  Expiration Date  Date / U = 2/ 1990  Certificate of Aumorization No.  Expiration Date  Date / U = 2/ 1990  Certificate of Aumorization No.  Expiration Date  Date / U = 2/ 1990  Certificate of Aumorization No.  Expiration Date  Date / U = 2/ 1990  Certificate nothing a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Language O				
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ASME Code, Section XI.  Type Code Symbol Stamp  Cartificate of Authorization No.  Expiration Date  Dete   U = 21   19 90  CERTIFICATE OF INSERVICE INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of U. M. G. S. S. and employed by Machiner of State of Province of U. M. G. S. S. and employed by Machiner of State of Province of U. M. G. S. S. S. And State of S				
CERTIFICATE OF INSERVICE INSPECTION  the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of LURGING and employed by Aparticis Stan Boiler and Pressure Vessel Inspectors and the State of Province of LURGING and employed by Aparticis Stan Boiler and Pressure Vessel Inspectors and the State of Province of LURGING and employed by Aparticis Stan Boiler and Employed the Components described in the Owner's Report during the period of the Description of the State of the Novemen'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 will 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.  Commissions ASS State, Province, and Endorsements	We certify that the sti ASME Code, Section XI.	atements made in the report		orms to the rules of the
CERTIFICATE OF INSERVICE INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of 11 16 16 16 16 16 16 16 16 16 16 16 16	Type Code Symbol Stamp	A/N		
Owner or Owner's Designee, Title  CERTIFICATE OF INSERVICE INSPECTION  In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Line Color and employed by Marthers' Stand Boiler and Pressure Vessel Inspectors and the State of Province of Line Color and employed by Marthers' Stand Boiler and Pressure Vessel Inspectors and the State of Province of Line Color and employed by Marthers' Stand Boiler and Pressure Vessel Inspector is and employed by Marthers' Stand Boiler and Pressure Vessel Inspector and the Stand Board State Inspector is and employed by Marthers' Stand Board State, Province, and Endorsements 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 Ilable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the inspection.  Commissions Board, State, Province, and Endorsements National Board, State, Province, and Endorsements	Certificate of Authorization No.	N/A	Expiration Date	4-
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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.  Commissions  Commissions  National Board, State, Province, and Endorsements				
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nspection.  Commissions VB 558 Inspector's Signature Commissions National Board, State, Province, and Endorsements				
Inspector's Signature National Board, State, Province, and Endorsements	nspection.			
Inspector's Signature National Board, State, Province, and Endorsements	00	//		
	William & SK	cher o	ommissions VA 555	so and Fadassaments
- 21 Not 1091	mapactor's S	ignature.	National Board, State, Provin	eo, and Endorsements
	- 31 157	1000		

	NION BUD!			Unit 2			
	ANNA P				1 2 1	DT 20 0 0	10
	62 MING	ACCOUNT OF THE PARTY OF THE PAR	65111	MMP.P.HSS	nization P	.O. No., Job No.,	etc.
	VIELINIA	Name		Type Code Symbol Authorization No		NA	
POBOX 40	2 MINERA	LIVA 2	3117	Expiration Date		NA	
Identification of Sy	stem WUEN	CHSPF	245		-		
(a) Applicable Con	struction Code B7	31.7 19.	69 Edition,	70 A	ddenda Z	18,81,83(E)	Code Cas
(b) Applicable Edit	ion of Section XI Uti	lized for Repairs	or Replacement	1985,585			
Identification of Co	emponents Repaired o	or Replaced and R	eplacement Co	mponents			
							ASME
						Danaired	Stamped
Alama at	None of		National	Other		Repaired,	
Name of Component	Name of Menufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
	Menufacturer		Board			Replaced, or Replacement	(Yes
Component SAURBBR	Menufacturer ITTGRIANELL	Serial No.	Board		Built 89	Replaced, or Replacement	(Yes or No)
Component SAURBER	Menufacturer ITTGRIANELL		Board			Replaced, or Replacement	(Yes or No)
Component SAUBBBR	Menufacturer ITTGRIANELL	Serial No.	Board		Built 89	Replaced, or Replacement	(Yes or No)
Component SAURBBR	Menufacturer ITTGRIANELL	Serial No.	Board		Built 89	Replaced, or Replacement	(Yes or No)
	Menufacturer ITTGRIANELL	Serial No.	Board		Built 89	Replaced, or Replacement	(Yes or No)

(12/82)

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tion 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

	Applicable Manufa	acturer's Data Reports to be attached	
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		OF COMPLIANCE re correct and this REPLACEMENT confo	
ASME Code, Section XI.	its made in the report an	repair or replacement	rms to the rules of the
nome some, overes and			
	11/1		
Type Code Symbol Stamp	11/4		
	NIA	0124	
Certificate of Authorization No.	1991	Expiration Date V/7	1
Signed / e Gern	/k_	Date /0-X/	19 90
Owner or Owner's Designee,	Title	7000	
and the second s			
		INSERVICE INSPECTION	
		lational Board of Boiler and Pressur, Vessel	
Hartford Et	and employed by 22	by thord steam Boiler	
n this Owner's Report during the pe	arious 19 oct		components described
		ormed examinations and taken corrective m	The second second second second second
Owner's Report in accordance with the	the learnester per his on	uniquer makes any warranty expressed or	implied, concerning th
Owner's Report in accordance with the By signing this certificate neither t	tue tuabector nor his eur	introduction many assertable, extraged of	
By signing this certificate neither t		ner's Report. Furthermore, neither the Ins	pector nor his employe
By signing this certificate neither t examinations and corrective measures shall be liable in any manner for any p	s described in this Own		AND AND A STORY OF THE PROPERTY OF
By signing this certificate neither t examinations and corrective measures	s described in this Own	ner's Report. Furthermore, neither the Ins	AND AND A STORY OF THE PROPERTY OF
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By signing this certificate neither to examinations and corrective measures shall be liable in any manner for any prinspection.	s described in this Own personal injury or proper	ner's Report. Furthermore, neither the Inserty damage or a loss of any kind arising from	n or connected with thi

5000 DOWN				Unit 2			
POBOX4	17. 41116			MMP-P-HS	5-1,3	PT-79.0	ZPI
Work Performed by	ACCULATION			Repair Organ  Type Code Symbol 5		4111	tc.
	OZ MINER	1.461.116		Authorization No Expiration Date		NA	
identification of Sys	WASS CIT BURGO						
(a) Applicable Cons (b) Applicable Edit Identification of Co FOR IDENT	ion of Section XI Uti	lized for Mepairs o	or Heplacements	1822,005			
							ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stamped (Yes or No)
			Board			Replaced,	Code Stamped (Yes
			Board			Replaced,	Code Stamped (Yes
			Board			Replaced,	Code Stamped (Yes
			Board			Replaced,	Code Stamped (Yes
			Board			Replaced,	Code Stamped (Yes

tion 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.

emarks ASME CLASS 1, THIS NIS-2 COVERS WORK ORDER- Applicable Manufacturer's Data Reports to be ettached  Applicable Manufacturer's Data Reports to be ettached	14747
JUMBBRS 5900106649,5900107460,5900107459,5900	
5900106650,5900107464,5900106652,5900107469,590010	27468
3900107505,590010653,5900107467; PEPLACED TOTAL OF 12) SHUBBERS.	TWEL
CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this PERACEMENT of the repair of replacement (SME Code, Section XI).	
Type Code Symbol Stamp	
Signed Owner's Designee, Title  Expiration Date 10-21 19 90	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State	
or Province of U.E.E. (A) and employed by HADT bad Stephen Both I to of have inspected the components described in this Owner's Report during the period 19 Oct 1990 to 1900 1900 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	
Mispection.  Little Elle Commissions US:55	
Inspector's Signature National Board, State, Province, and Endorsements	
Date 210 et 1990	

### SUPPLEMENTAL SHEET

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

1 Owner VIRGINIA POWER	Delle OFTERER 19, 1990
5000 DOMINION BLUD GLENALIEN, VA 23 Address Plant NORTH ALLHA POWER STATION	3065 Sheet 2 of 3
PO BOX 402 MINISPAL VA 23117	MMP.P.USS-12.PT-79.02.PT-79.3 Repeir Organization P.O. No., Job No., etc.
PO BOX 402 MINERAL VA 23117 Address	Type Code Symbol Stamp Authorization No. Expiration Dete
4 Identification of system CHEMICAL & LOLLSME	E CONTROL
5. (a) Applicable Construction Code BBLT 19 69 Edit  (b) Applicable Edition of Section XI Utilized for Repairs or Rep	

6. Identification of Components Repaired or Replacement Components

THE STATE OF THE S	Name of Manufacturer	Mao ufacturer Serial No.	National Board No.	Other Ideatification	Year Buth	Repaired, Replaced, or Replacement	Code Stamped (Yes or No)	REASON FOR REPLACEMENT	WORK ORDER NUMBER
SHUBBBR	ITTGRINNER	1428	NA		89	REPLACED	16	FOR FUNCTIONAL TEST GROUP'A"	106649
SHURBBR	ITTEPHLIEU	1427	NA	401.08	90	REPLACEMEN	NO	TEST SPOUP'A"	The second second second
SHUBBER	ITTGRILLEL	1208	NA	2.45 755	85	REPLACED	NO	FOR SEAL	107460
SNURBBR	ITTOPHINELL	1321	NIA	2154 755	90	REPLACEMENT	710	FORSEAL	107460
SHUBBER	HTGRINNE	1075	NA	2-CH-HSS 40). 14	85	REPLACED	NO	FOR SEAL	10745
SUUBBER	TOT GRINDELL	1443	NA	2-54-435	90	REPLACEMENT	-10	FOR SEAL	1
SAURRER	ITTGRINUSII	1071	NA	401.23A	85	DEPLACED	NO	FOR SEAL	107463
SHUBBER	ITTERIALIEU	1196	nila	2-64-455	89	REALXEMENT	NB	FOR SEAL	10746
SUURRER	ITTERWIELL	1597	NA	40 29	88	REPLACED	NO	FOR FUNCTIONAL	
SULL BREIZ	LTTGRINNELL	1248	NAA	2.54 155	89	PEFLACEMENT	NO	FOR FUNCTIONAL TEST GRAVE'A	106650
SHUBBER	ITT GENNELL	12021	NA	2-64-435	85	REPLACED	NO	FOREENAL	107464
SUURBBE !	ITTERLIVEU	1306	NA	2-CH H55 40130	90	REPLACEMENT	- where white the	FOR SEAL	107464
MIBRE	also profesioning a second constraint of	17293	N/A	2482 422	89	REPLACE	4	FOR FUNCTIONA TEST SPOUP'S	10665
MARREE		1455	NA	3492 428	90	DEFLACENTE	NO	FOR PULCTONAL	106658
	TIRCHNOU	1080	NA	2.CH H 55	- BANDO A PRODUCT	REPLACED	NO	FORESEAL	107469
SLIVISBER	ITTGDINNER	1220	NA	2-CH-HES	89	PEPLACEMENT	NO	FOR SEAL	107469

### SUPPLEMENTAL SHEET

ATTACHMENT III Page 79 of 135 Side 1 of 1

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

Owner VIRGINIA FONGE	DATE OCTORGE 19, 1990
5000 DOMINION END GLEN ALLENNA?	306 Sheet 3 of 3
2 Plant HODITHANNA POWER STATION	Unix 2
PO BOX402 M JBRAL NA 23117	Repair Organ Intion P.O. No., Job No., etc.
1 Work Performed by VIRGINIA POLICE	Type Code Symbol Stamp N/A
PO BOX 402 MINERAL VA 23117	Authorization No. A/A Expiration Date A/A
4 Identification of system CABMICAL & VOLUME	CONTROL
5 (a) Applicable Construction Code B317 19 69 Edit	tice 70 Addenda 73.81.83(R) Code Care
(b) Applicable Edition of Section XI Utilized for Repairs or Rep	

6. Identification of Components Repaired or Replacement Components

Name of Component	Name of Map of acturer	Maeufacturer Serial No.	National Board No.	Other Ideatifications	Year Bufk	Repaired, Replaced, or Replacement	ASME Code Sumped (Yes or No)	REASON FOR REPLACEMENT	WORK ORDER NUMBER
SLUBBER SLUBBER	ITT GRILLIEU ITT GRILLIEU ITT GRILLIEU ITT GRILLIEU ITT GRILLIEU	Land Address of the Age of the Ag	N/A N/A N/A N/A N/A N/A N/A N/A	2-CH-H55 2-CH-H55 2-CH-H55 2-CH-H55 2-CH-H55 2-CH-H55 2-CH-H55 2-CH-H55 2-CH-H55 2-CH-H55 2-CH-H55 2-CH-H55 2-CH-H55	90 85 90	PEPLACEMENT PEPLACENT PEPLACEMENT PEPLACEM	- NO - NO - NO - NO - NO - NO - NO	FOR SEAL LIFE	106655

FOOD	NA POW			Date OCTOBO			
5000 Don	Address Address	D. GLENA	LLEN, WAS	Sheet of	1		
Plant LLORTH	ANNA POU	uer Sta	Tion	Unit 2			
POBOX 40	2 MINERA	WVA.Z	23117	MMP. P. US	S.1	2.PT 79	0,2.P
Work Performed by_	VIRGINIA	POWER		Type Code Symbol St	amp	NIX	
PO Box 4		NOW THE PARTY NAMED IN COLUMN TWO IS NOT THE PAR		Authorization No Expiration Date		NA	
Identification of Sys							
(b) Applicable Edition Identification of Con				70 1983,583			
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)
SHUBBER	ITTERIANELL	1002	N/A	7.51 H55.419.02	89	REPLACED	NO
SHUBBER		1753	N/A	2-51- H55-41902	90		
. Tests Conducted:	REPLACED WORK O	eumatic No	minal Operating		EST	580UP'A	PEC

Remarks ASNE (U	255 1
	Applicable Manufacturer's Data Reports to be attached
**************************************	CERTIFICATE OF COMPLIANCE
We certify that the statem	nents made in the report are correct and this PEPLACEMENT conforms to the rules of the
ASME Code, Section XI.	repair or replacement
	N17A
Type Code Symbol Stamp	VV/ FX
	4/11
Certificate of Authorization No.	NA Expiration Date NA
Signed all U	well Eng & Date Oct 6 19 90
Owner or Owner's Designe	ee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid or	ommission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Ste
or Province of UIRG (AL)	and employed by Mattherd Strain Beller It Z co
Heatherd et	period 5 oct 1990 to 5 oct 1980 and state the
	period to the Owner has performed examinations and taken corrective measures described in the
	the requirements of the ASME Code, Section XI.
	or the Inspector nor his employer makes any warranty, expressed or implied, concerning t
	ires described in this Owner's Report, Furthermore, neither the Inspector nor his employ
	ly personal injury or property damage or a loss of any kind arising from or connected with the
nspection.	
. 11	
William Inspector's Signal	ture Commissions UA 3 3 5 5 ture National Board, State, Province, and Endorsements
The second of th	Transcript Dodies, Closes, Clovines, and Endorsaments
Dora 6 00 to bear	10 50 21

2000 (2014	ILLION BLV	D, GLENAL	TEH VA 53	25%			
	ALWA PO			Unit 2			
POBOX 40	MMP-P-HSS-1, 2-PT-79.0, 2-PT-						
Work Performed by	VIRGINI	A POWEN	2	Type Code Symbol S	Stamp	NA	
POBOX	402 MIL	GRAL, VA	.23117	Authorization No Expiration Date		NA	
Identification of Sy	stem PEACTE	P COOL					
	struction Code B						
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)
			><				
							QE II
					Te la		

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.

NUMBERS 5900107475, 5900107478, 590 5900106667, 5900107484, 5900106668, 590 REPLACED TOTAL OF SEVEN (7) SNUB	_ /
5900106667,5900107484,5900106668,590	_ /
의 경우 경기를 가장 하면 하면 가장 하면 하다 하는 것들이 되는 것들이 가장 하는 것이다. 그렇게 하는 것이다.	MALLER .
PEDIACED TOTAL OF SEVEN (7) SINB	0100000
REPLACED TO TALL OF SEVER LITTORULE	BERS
CERTIFICATE OF COMPLIANCE	T
range of sandannana	onforms to the rules of the
ASME Code, Section X1.	
-(/)	
Type Code Symbol Stamp	
11/1	1/1
Certificate of Authorization No.	1/A-
told will in the	50
Signed and Wall Engl Date Oct 6	19_70
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Ve	essel Inspectors and the State
or Province of Wide in 19 and employed by the thord STEAM Boiler	
About for d Ct have inspected	the components described
in this Owner's Report during the period 5 007 1992 to 5 001	1880, and state the
to the best of my knowledge and belief, the Owner has performed examinations and taken correct	ive measures described in th
Owner's Report in accordance with the requirements of the ASME Gode, Section XI.	
By signing this certificate neither the inspector nor his employer makes any warranty, expresse	
examinations and corrective measures described in this Owner's Report. Furthermore, neither the	
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising	g from or connected with th
inspection.	
willie Effect Commissions UNSTE	
more than the second of the se	ovince, and Endorsements

1 Owner VIRGINIA POWER	DIE 0070BER 5,1990
2 Plans HURTH ANNA POWER STATION	Vait 2
POROX 402 MINERAL, VA. 23117  Address  VIRGINIA POWER  POROX 402 MINERAL, VA 23117  Address	MMP D. HSS-1/2 PT 19.0 2 FT 79.5  Repeir Organization PO. No., Job No., etc.  Type Code Symbol Stamp  Authorization No.  Expiration Date
4 Identification of system BACTOR COCIALT	
5. (a) Applicable Construction Code B31.7 19 69 Edition (b) Applicable Edition of Section XI Utilized for Repairs or Repli	

6. Identification of Components Repaired or Replaced or Replacement Components

Name of Component	Name of Madufortures	Macufacturer Serial Na	National Board No.	Other Ideatification	Year Built	Repaired, Replaced, or Replacement	ASME Code Startsped (Yes or No)	REASON FOR REPLACEMENT	WORK ORDER NUMBER
SUURRER	ITTGRINNE	1096	N/A	2.PC-HSS 445.03	85	PEPLACED	No	FOR SEAL	10747
SHUBBER	ITTERNALL	1067	N/A	2.26.455		REPLACEMENT		FOR SEAL	10747
SHURRER	ITTERINNELL	1166	N/A	2.PC.HSS 447.01	-	REPUACEO	-	FOR SEAL	
SWERER	ITTERWHEU	1369	N/A	2.86785	-	REPLACEMENT	- street outs.	FOR SEAL	10747
SUUBBER	IT GRIMNELL	1082	NA	2 RC HSS	man	BOAIGET		FOR FUN TOWN	10066
SUUBBBB	MICOUNELL	1353	N/A	13.25.27.55	-	REPLACENCE	di copuera aggrana	FOR FUNCTIONAL	10666
SWEBER	ITT GRANGELL	CONTRACTOR STATES CO. NETTO STATES	N/A	2.201135		PEPLACED		TEST SPOUPA	1066
SUUBRER	ITTERMINELL	-1430	N/A	2.RC.HSS 523.01	series in	REPLACEMENT		FOR FULTION TEST GROUPA	10666
SHUBBER	ITTERILLIEI	A construction of the second second	NA	2-86-465		PEPLACED	-	FOR SEAL	10748
SHURBER	ITTERNUEL	1445	N/A	5.85.755		REPLACEMENT		FORSEAL	10748
SHURBER	ITTERINIEU	1730	N/A	2.RC. HSS	89	REPLACE		FER PREVIOUS	1066
SHUBBBR	ITTERINIEU	1680	NA	2 RC - HSS 531.07	90	PEPLACENEU	1 10	PER PREVIOUS	1066
SHURBER	ITTARINIEU	1246	N/A	534.01	85	REPLACED	1	FOR FLUICTIONAL	1066
SNUBBBBR	LITEPINHEU	1173	N/A	2-120-1455	90	REPLACENT	-100	FOR FUNCTIONAL TEST GROUP A	1066

	LION BUD,				·		
	ANNA POW			Unit 2			
	52, MINES		23117	MMP. P. HS	S.1.2.	PT.79.0,2	PT.75
Work Performed by	VIRGILIA!	POWER		Type Code Symbol !		NA	
PO BOX	402, MINER	CAL, VA.	23117	Authorization No Expiration Data		AM	
Identification of Sy	STEM PEACTOR	COOLAN	T				
(a) Applicable Con	struction Code_B	31.7 10	69 Edition	70 4	ddende, Z	8,81,84P) 115	Code Ca
(b) Applicable Edit	tion of Section X1 Util	lized for Repairs o	r Replacement	1983,583			
Identification of Co	omponents Repaired o	r Replaced and Re	eplacement Cor	nponents			
							and the second second second
			National			Repaired,	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stamped (Yes
Name of Component	Manufacturer	Serial No.	Board No.		Built	Replaced, or Replacement	Code Stamped (Yes
Name of Component	Manufacturer	Serial No.	Board No.	Z-PC-HSS- 457.02A 2-PC-HSS	85 85	Replaced, or Replacement	Code Stamper (Yes or No)
Name of Component	Manufacturer	Serial No.	Board No.	2-PC-HSS- 457.02A	85 85	Replaced, or Replacement	Code Stampe (Yes or No)
Name of Component	Manufacturer	Serial No.	Board No.	Z-PC-HSS- 457.02A 2-PC-HSS	85 85	Replaced, or Replacement	Code Stampe (Yes or No)
Name of Component	Manufacturer	Serial No.	Board No.	Z-PC-HSS- 457.02A 2-PC-HSS	85 85	Replaced, or Replacement	Code Stampe (Yes or No)

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

	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We certify that the statements m	nade in the report are correct and this PEPLACEMENT conforms to the rules of the
ASME Code, Section XI.	repair or replacement
ype Code Symbol Stamp	A
ype code symbol stamp	131
Pertificate of Austropezation No.	N/A Expiration Date N/A
Ald a	
Owner or Owner's Designee, Title	Engle Date Och 4 19 90
	CERTIFICATE OF INSERVICE INSPECTION
the undersigned, holding a valid commiss	sion issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
Province of Vicarias	and employed by there for a Street Brille There To voice of have inspected the components describe
Hertfeld, Lt.	have inspected the components describe
the best of my knowledge and pall of	the Owner has performed examinations and taken corrective measures described in thi
Owner's Report in accordance with the reg	suirements of the ASME Code, Section XI.
	Inspector nor his employer makes any warranty, expressed or implied, concerning th
xaminations and corrective measures des	scribed in this Owner's Report. Furthermore, neither the inspector nor his employe
hall be liable in any manner for any personspection.	onal injury or property damage or a loss of any kind arising from or connected with thi
most m three	대통령이 아이트를 받아 보다 이 대통령 중에 보다 먹었다고 내내 하셨다.
Inspector's Signature	Commissions VA 424  National Board, State, Province, and Endorsements
Date 5 Oct 19	그래 마다 나는 사람들이 되는데 보다 내가 있었다. 그 아이를 살아내지 않는데 그리고 있다면 살아 없었다.

	NINION BLA HANNA P			Unit 2			
	OZ MINERA Address			IMMP P. HSC	1,2	PT.79.0,	2.PT.7
Work Performed by	VIRGINIA OZ MINERA Address	POWER		Type Code Symbol S Authorization No Expiration Date	Stamp	N/A	otc.
(b) Applicable Edit	nstruction Code tion of Section XI Util	ized for Repairs	or Replacement	1983,583	Zorida, 1	8,81,83(e),	Code Cas
Name of	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Component		6024	AN	2.5HP. HSS-211A	87	REPLICED	No
Component	ITT GRILARU	Mineral St. Chillian Service of Agranton States of		2.5HP.			- 110
Component	ITT GRINAGU		N/A	HSS-211A	89	PEPLACEMEN	FIVE

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.

Remarks ASME CLASS	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We certify that the statements	made in the report are correct and this PEPLACEMENIconforms to the rules of the
ASME Code, Section X1.	repair or replacement
	4/14
Type Code Symbol Stamp	VY 75
	A/11
Certificate of Authorization No.	Expiration Date NA
- FLAG	M Engl Date Oct 4 1990
Owner or Cwner's Designes, 1	Title Date Ser 19
	CERTIFICATE OF INSERVICE INSPECTION
t the undersigned holding a valid com-	mission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Virginia	and employed by Hert ford Steem Builer Insa + Insue . o
Historial CT.	and employed by Hert feel Sterm Beiler Jusque Texue. o have inspected the components described to 5 Oct 1880 , and state that
in this Owner's Report during the pe	riod 3 Pet 1990 to 5 Pet 1990 and state tha
	of, the Owner has performed examinations and taken corrective measures described in this
	requirements of the ASME Code, Section XI.
By signing this certificate neither to	he Inspector nor his employer makes any warranty, expressed or implied, concerning th
	described in this Owner's Report, Furthermore, neither the Inspector nor his employe
shall be liable in any manner for any p	ersonal injury or property damage or a loss of any kind arising from or connected with the
inspection,	
Mosh m Apace Inspector's Signatur	e Commissions VA 424 National Board, State, Province, and Endorsements
Inspector's Signatur	e National Board, State, Province, and Endorsements
Date 5 8, Oct	19.2.

		SINIA Pous		en unaumente.	Date OCO		an) and some	
		Professional and State of Stat			Sheet c	1. Som		
, Pla	m NORTH	ALLLA P	DINES ST	LIGITA	Unit 2			
E	PO BOX	402 MINI	SPAL VA	23117	MMP.P.HS	5-1,2-1	2,0,0,7	PT-79
. We	ork Performed by	VIRGINIA	- POWER		Type Code Symbol	Stamp	AVA	
		Z MILERA	1.00 (1.10)		Authorization No Expiration Date			
. Ide	entification of Sys	tem SAFET	CINJECT	LION				
(a)	Applicable Cons Applicable Edition	truction Code E	3\.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	S Edition, r Replacements	19.83,583 A	ddenda, Z	8,81,83(15)	Code Cas
i. Ide	entification of Cor	mponents Repaired	OF REPLACE	placement Con	PEPLACEMEN	T COY	MENTALS	HEET
	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)
	THE PARTY OF THE P							
						_		

recorded at the top of this form.

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

9. Remarks ASME CLASS 1. THIS HIS - 2. COVERS WORK ORDER
Applicable Manufacturer's Data Reports to be attached
NUMBERS 5900106725,5900107431,5900106726,
5900107502,5900106720,5900107500,5900107499
REPLACED TOTAL OF SEVEN (7) SHUBBERS
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 X1.
Type Code Symbol StampN
Signed Owner's Designee, Title  Expiration Date Oct 1990
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 State Call and employed by then then State Boiler T. th. of
have inspected the components described in this Owner's Report during the period 100 100 100 100 100 100 100 100 100 10
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 558 Inspector's Signature Commissions National Board, State, Province, and Endorsements
Dato 2 02 1990

### SUPPLEMENTAL SHEET

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

a series of the series of the party of the p	
5000 DOMINION PLWD GLEN ALLEN VA 2306	Sheet 2 of 2
NORTH ANNA POWER STATION	Vait 2
10 Box 462 MINERAL VA 23117	1000 to 100 1 255 70 0 255 70
Address	Repair Organization P.O. No., Job No., etc.
Work Performed by VIRGINIA FOWER	Type Code Symbol Stamp N/A
POBOX 402 MINERAL NA 23117	Authorization No.
Address	CIPUIDO DE
Identification of system SAFETY INTECTION	

6. Identification of Components Repaired or Replacement Components

Name of Component	Name of Map of actures	Manufacturer Serial No.	Nariossi Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	REASON FOR REPLACEMENT	WORK ORDER NUMBER
SHURRER	ITT GRALLEU	2067	AM	2. \$1. H\$5	87	REPLACED	NO	FOR FUNCTIONAL	106725
SHURRER	ILLebirmen	2076	AVA	2-51-855 1018	To be the same of	REPLACEMENT		FOR FUNCTIONAL TEST CROUP A	10672
SJURRER	TTERNAMEN	2208	A/M	2-51-HSS 1035		PEPLACED		FOR SEAL	10743
SAURRER	MICRILIELL	2251	N/A	2. 的报答		PEPLACEMENT	1	FOR SEAL	10743
SUBBER	HITCHINELL	2043	NA	2-51-HSS	A	REPLACED		FOR FUNCTIONAL TEST GROUP'A	10672
SUUBBER	ITTERNHELL	2116	AVA	2-21-1452	90	REPLACEMENT	-	FOR FUNCTIONS	
SHURRER	TTERINAELL	1382	N/A	2-51-HSS	85	PERACED		POR SEAL	10750
SHUBBER	UTERIOUELL	1023	N/A	2-51-HSS	0 -	REPLACEMENT	dan market	FOREERL	10750
SHURBER	TITERIONELL	1556	NA	2-51-755	89	PEPLACED	1	FOR FUNCTIONAL TEST GROUP'A	
SHURBER	TERMEN	_1060	N/A	2-51-455	90	PEPLACEMON		FOR FUNCTION	
SHUBBER	ITTERILITEI	1117	NA	2-5)-HSS	185	REPLACED	-	FOR SEAL	16750
SHUBBER	ITERLINELL	1711	NA	2.217455	90	DEPLACEMENT	1	FORSEAL	10750
SHURRER	ITTERNILEI	1172	N/A	2-51-455	85	REPLACED	1	FOR SEAL	10749
SHUBBER	ITTERILLIELL	1436	NA	2-51-12-5	89	and the second companies of principles of the second companies of the second c	Acres Contractor	FORSEAL	16749

	Name		111/4 2204	a 1	. 2		
	NON BLVD				1		
Plant MORT	1 ANNA FOX	JER STAT	JOH	Unit 2			
PO Box	402 MILIER	ALVA, Z	3117	MMP-D-HS Repair Orga	5-1	2.PT.79.0	2.PT.
	VIPGINIZ			Type Code Symbol		NA	010.
	AOZ MINE			Authorization No Expiration Date		NA	
				Expiration Date			
	ystem MAIN						(2)
Identification of C	nstruction Code Rition of Section XI Ut	or Replaced and R	eplacement Cor	nponents/SEE 5	SUPPL	EMENTAL	SHEE
FOR IDEN	TEICATION	OF PEPL	ACED A	TO BEDING	EWE	MT COMPO	NENT
					Barrier State		
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)
			Board		THE RESERVE OF	Replaced,	Code Stamped (Yes
			Board		THE RESERVE OF	Replaced,	Code Stamped (Yes
			Board		THE RESERVE OF	Replaced,	Code Stamped (Yes
			Board		THE RESERVE OF	Replaced,	Code Stamped (Yes
			Board		THE RESERVE OF	Replaced,	Code Stamped (Yes
			Board		THE RESERVE OF	Replaced,	Code Stamped (Yes
			Board		THE RESERVE OF	Replaced,	Code Stamped (Yes
Component		Serial No.	Board No.		THE RESERVE OF	Replaced,	Code Stamped (Yes

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.

Remarks A	SME CLASS 2 . THIS HIS-2 COVERS WORK ORDE
KILIMIR	ERS 5900107448,5900106716,5900106717.
PEPLA	CED TOTAL OF THREE (3) SHUBBERS.
	CERTIFICATE OF COMPLIANCE
ASME Code,	certify that the statements made in the report are correct and this PECTACENEN conforms to the rules of the repair or replacement.
Type Code Sy	mbol StampN/A
Certificate of	Ayuntization No. NA Expiration Date N/A
Signet	ner or Owner's Designee, Title Engl Date Oct 1 19.90
	CERTIFICATE OF INSERVICE INSPECTION
	gned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  1. 0.166 (0.16) and employed by Front Ford 5 teams Boiler 7 + 2 00 of
Hospith	and of have inspected the components described
in this Owne	r's Report during the period 100+ 1990 to 100+ 1990 , and state that
to the best o	f my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Rope	ort 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
	and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employe e in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
Wes	Commissions National Board, State, Province, and Endorsements
Date 2	087 1950

ATTACHMENT III Page 88 of 135 Side 1 of 1

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

Owner VIRGINIA POWER	DELL OCTOBBEL 1990
5000 DOMINION BLVD, SLEN ALLEN, VA. 7. O.	9 Sheet _ 2 _ of _ 2
Plant HORTH ADINA POWER STATION	Unit 2
PO BOX 402 MINERAL, VA 23117	Repair Organization P.O. No., Job No., etc.
Work Performed by VEGULIA PONER	Type Code Symbol StampA
POROS AOZ MIHERAL NA 2317	Expiration Date
Edicardication of system MANA STEAM	
(a) Applicable Construction Costs B317 19 69 Edition	. 70 Addends 78,81,830 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Repla	cements 19 <u>83,583</u>

6. Identification of Components Repaired or Replaced or Replacement Components

Name of Composent	Name of Manufactures	Mapulacturer Serial No.	Mational Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Start ped (Yes or No)	REASON FOR REPLACEMENT	WORK ORDER NUMBER
SHUBBER	ITEMANELL	economicamon para e avina apravir de	NA	2 SH2 YEE	85	REPLACED	110	FOR SEAL	157448
SHUBBER	ITT GPINIDELL	5074	N/A	2-5HP-1155	20	PEPLACEMENT	accesses and	FORESEAL	10744
SHUBBER.	ITTERMINEU	Control of the contro	AW	2.5HP-1135	(a)	REPLACE	NO	FOR FUNCTIONAL TEST GROUP "A"	1067
SHIBBER	TTIGRIDATELL		NA	2-5HE-H35	853	DED KINED	NO	LEST CESTA	1067
SULPREP	HTT SPILLELL	6003	AVA	2-5-19-1185	89	DEPLACED	NO	FOR FUNCTIONAL	10671
SHURBER	ITTEPHINELL	6000	N/A	2 SHE Bee	90	DEPLACEMENT	170	LEST ENTRY	1067
***********			The Residence of the Street	-					
THE PERSON CONTRACTOR OF COLUMN			The state and state to see the state of the state of						
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NAVARRONAL PROPERTY AND PROPERTY OF THE PERSONS				<b>-</b>		-			
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Owner VIRGIL				Date OCTOB!		destructivated according				
	LON BLUD GL			Sheet of	_1_					
Plant NORTH	ALLIA PONIS	BR STATI	217	Unit 2						
PO 180x 40	SZ MINES	ZAL VA.	23117	MMP.P. USS 12 PT 79.0 2 PT 79.						
Work Performed by	ALL SHE SHE SHEET			Type Code Symbol S	Stamp	_ 4\W_	to			
	102 MILLER	383108		Authorization No Expiration Date		NIA				
Identification of Sys	Address									
					-17	201220115				
	truction Code Son of Section XI Util				drienda, /i	3,53,83(E)II.	Code Casi			
Identification of Cor	nponents Repaired o	Replaced and Re	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)			
SHUBBER	ITT GRINNELL	1625	AN	2-25-455-	95	REPLACED	No			
			N/A	285-HSS						
CHERRIE	III CAKINIZET	Comp. goods greater.	14/17	500		P. PLACEMEN	14			
SHUBBER					A The sales					
SHURBER										
SHURBER										
Description of Work		JUBBBR E	OR SEAL	LIFE PER NX	XX X	208R 5900	10749			
Description of Work Tests Conducted:		neumatic No	ominal Operation	g Pressure	XK X	208R 5900	210749			

	Applicable Manufacturer's Date Reports to be attached
announcement removement eventures	
	CERTIFICATE OF COMPLIANCE
	is statements made in the report are correct and this DEPLACEMENT conforms to the rules of the
ASME Code, Section XI.	Topan or replacement
Time Code Combal	N/A
Type Code Symbol stamp,	
Certificate of Authorization	No. NA Expiration Date NA
Certificate of Aut. Signific	2/1/
Signatur	FMAN Engl Date Out 1 1990
Owner or Twner	s Cesignee, Title
k anna anna anna anna anna anna an	
	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 WIRGIA	
HARTHAN CO)	have inspected the components described
in this Owner's Report du	uring the period 1 oct 1980 to 2 oct 1890, and state the
to the bear of my knowled	fge and belief, the Owner has performed examinations and taken corrective measures described in thi
Owner's Report in accorda	nce with the requirements of the ASME Code, Section XI.
By signing this certifica	ite neither the inspector nor his employer makes any warranty, expressed or implied, concerning th
examinations and correcti	ve measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed
shall be liable in any many	ner for any personal injury or property damage or a loss of any kind arising from or connected with th
inspection.	
1, 11	0111
Inspace.	Commissions National Board, State, Province, and Endorsements
THIS POUR	reactional board, State, Province, and Endorsements
0 - 4	19 20
Date 2 oct	19_6

	Address Address								
Plant LORT	LANIA PONAME	WER SI	HOTA	Unit 2					
POBOX 4	OZ MILLER	AL, VA. Z	3117	MMP.P.HS Repair Organ	S-12	PT-79.0,	2 PT 7		
Work Performed by	VIRGINIA	POWER		Type Gode Symbol	Stamp	D()1			
	402 MINE		23117	Authorization No Expiration Date		NA			
	stem WET L								
(e) Applicable Con	struction Code_B	317 19	69 Edition,	70 4	ddenda, Z	8.81.83(P)	Code Cas		
(b) Applicable Edit	tion of Section XI Util	Led for Repairs	or Replacement	1983,583					
Identification of Co	omponents Repaired o	r Replaced and R	teplagement Co	mponents					
	1								
							ASME		
			- Annual Control			Class school	Ex command		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	(Yes or No)		
Component	Manufacturer		Board		Built	Replaced, or Replacement	(Yes		
Component	Manufacturer (TTGPILWEIL		Board		Built	Replaced, or Replacement	(Yes or No)		
Component	Manufacturer		Board		Built	Replaced, or Replacement	or No)		
Component	Manufacturer (TTGPILWEIL		Board		Built	Replaced, or Replacement	(Yes or No)		
Component	Manufacturer (TTGPILWEIL		Board		Built	Replaced, or Replacement	(Yes or No)		
Component	Manufacturer (TTGPILWEIL		Board		Built	Replaced, or Replacement	(Yes or No)		
Component	Manufacturer (TTGPILWEIL		Board		Built	Replaced, or Replacement	(Yes or No)		

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

	Applicable Manufacturer's Data Reports to be attached
Panen	
	CERTIFICATE OF COMPLIANCE
ASMI	We certify that the statements made in the report are correct and this PEDIACE TEST conforms to the rules of the Code, Section XI.
en control	Some, decision with
	NI/A
Type	Code Symbol Stemp
Certif	sate of Authorization No. All Expiration Date NA
	Owner or Owner's Designee, Title  Expiration Date  Out  19.70
Signer	Owner or Owner's Designee, Title
ankarain	
	CERTIFICATE OF INSERVICE INSPECTION
i, the	sindersigned, holding a varid commission issued by the National Board of Boiler and Pressure, Vessel Inspectors and the State wings of John Local and amployed by 1990 these States Control of the components describe to the components described to the component
in th	have inspected the components describe
	best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the
	r's Feport in accordance with the requirements of the ASME Code, Section XI.
	signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the inations and corrective measures described in this Owner's Report, Furthermore neither the inspector nor his employer.
	be liable in acry manner for any personal injury or property damage or a loss of any kind arising from or connected with th
	otion.
1	when the commissions UP 555
	Commissions National Board, State, Province, and Endorsements
	2 oct 1990
Date	All the second s

	INIA POWI		The state of the s	Date OX TOBER 1, 1990					
Soco Domi	MICH C. UD.	SLEN ALLEN,	VA,23060	Sheet	t Zee				
Hant MORTH	ANNA Pou	ER STATK	287	Unit 2.  MMP-P-HSS-1, 2-PT-79.0, 2-PT-79.  Repair Organization P.O. No., Job No., etc.					
70 Box 402	MINERAL,	12311	1						
Work Performed by	VIEGILIA SZ MINEO!	POWER Name		Type Code Symbol Authorization No.	Stamp	N/A	etc.		
	stem RESIDI			Expiration Date		XX/2000			
a) Applicable Cons b) Applicable Edit	struction Sode B'	31.7 19. lized for Repairs of	69 Edition, or Replacement	70 11983,583	ddende, Z	8,81,837119	Code Ca		
dentification of Co	mponents Repaired of	PEPLAC	eplacement Co	REPLACE IN	SUPPL ENT	COMPONEL	SHE		
						December	ASME Code Stampe		
Name of Component	Name of * Nanufacturer	Manufacturer Serial No.	National Board No.	Other identification	Year Built	Repaired, Replaced, or Replacement	(Yes		
	The state of the s		Board	A Company of the Comp		Replaced,	(Yes		
	The state of the s		Board	A Company of the Comp		Replaced,	(Yes		
	The state of the s		Board	A Company of the Comp		Replaced,	(Yes		
	The state of the s		Board	A Company of the Comp		Replaced,	(Yes		
	The state of the s		Board	A Company of the Comp		Replaced,	(Yes		
	The state of the s		Board	A Company of the Comp		Replaced,	The state of		
Component	The state of the s	Serial No.	Board No.	A Company of the Comp		Replaced,	(Yes		

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tion 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

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REPLACED TOTAL C	DE FOUR (A) SHUBBERS
	CERTIFICATE OF COMPLIANCE
ASME Code, Section X1.	e in the report are correct and this <u>PUPLACEMENT</u> conforms to the rules of the repair or replacement
Type Code Symbol StampN	A-
Certificate of Artiborization No. 9	Expiration Date N/A
Signing Owner or Owner's Designee, Title	[ Engl Dots Oct 1 15 90
Z	RTIFICATE OF INSERVICE INSPECTION
	a issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat
or Province of Pilleralia and	employed by Albert for & 500 mg Backer I LICO of
n this Owner's Report during the period	1 0 c f 1880 10 10 c 0 c f 1880 , and state the
o 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 require	
	pector nor his employer makes any warranty, expressed or implied, concerning the
	bed in this Owner's Report. Furthermore, neither the Inspector nor his employe
nation is the manner for any personal napaction.	I injury or property damage or a loss of any kind arising from or connected with th
al II	
William Electric	Commissions 555
Inspector's Signature	National Board, State, Province, and Endorsements

### SUPPLEMENTAL SHEET

ATTACHMENT III Page 92 of 135 Side 1 of 1

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

Owner VIRGINIA POWER	Delle CATORER 1 1990
SOMO POPULICAL BLUD GIEN ALLEN VAZBOR	Sheet of
2 Plant LOPTH AHLIA POWER STATION	Vait 2
POBOX 402 MINERAL VA 23117	Repair Organization P.O. No., Job No., etc.
PO PAY 402 MINERAL NA 28117	Type Code Symbol Stamp A viborization No. Espiration Data
4 Identification of system PESIDUAL HEAT	
5 (a) Applicable Construction Code 15317 19 69 Edition (b) Applicable Edition of Section XI Utilized for Repairs or Replace	

6 Identification of Components Repaired or Replaced or Replacement Components

Name of Component	Name of Manufacturer	Macufacturer Serial No.	National Board No.	Other Ide atifications	Year Built	Repaired, Replaced, or Replacement	ASME Code Staroped (Yes or No)	REASON FOR REFLACEMENT	WORK ORDER NUMBER
SNUERER SAURBER SAURBER SAURBER SAURBER SAURBER SAURBER	177	1421 1527 3053 3037 2065 2215 2207 2252	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	2-EH-101 2-EH-101 2-EH-107 2-EH-107 2-EH-107 2-EH-108A 2-EH-108A 2-EH-108A 2-EH-108A 2-EH-108A 2-EH-108A 2-EH-108A 2-EH-108A 2-EH-108A	90 90 90 85 85 85	PEPLACED PEPLACED PEPLACED PEPLACED PEPLACED PEPLACED PEPLACED	568888	FOR SEAL LIFE FOR FUNCTIONAL TEST GROUP X FOR FUNCTIONAL TEST GROUP X FOR SEAL LIFE	167490 167490 166763 166763 167511 167430 167430

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om NORTH	ALLIA PO	wigh SIA	LIGH	Unit 2					
O Box 4	OZ, MINER	5. AV, JA	3117	MMP-P-HSS-1, 2-PT-79.0, 2-PT-79.0					
lork Performed by	VIRGINIA	POWER							
	102 MILLER	3117	Authorization No Expiration Date		NA				
	vetem FEEDIA								
dentification of C	omponents Repaired	or Replaced and Re	aplacement Co	mponents (SEG SU	PPLE T CCY	MELITAL SI	LEET		
Name of Component	Name of Manufacturer	Manufacturer Seriar No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
					***************************************				
			>						
							100000		
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NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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	Applicable Manufacturer's Data Reports to be attached
77	UMBERS 5900106683,5900107449
R	EPLACED TOTAL OF (2) TWO SAUBBERS.
*****	
	CERTIFICATE OF COMPLIANCE
AS	We certify that the statements made in the report are correct and this PEPLACEMENCOnforms to the rules of the ME Code, Section XI.  Repair or replacement
	N/A
TVI	ne Code Symbol Stamp
Cer	tificate of Author Pation No. 10/A Expiration Date N/A
814	Owner or Owner's Designee, Title Frag A Date Oct 1 19 90
	CERTIFICATE OF INSERVICE INSPECTION
or I	he undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta  Province of States Books I FICO.  have inspected the components describe
EL.	this Owner's Report during the period. 1-00 1980 to 100 100 100 and state the
	the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the
	mer'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 to
exa	iminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ
	If be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the
ins	pection.
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****	Le Le Commissions Le Signature Commissions National Board, State, Province, and Endorsements
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## SUPPLEMENTAL SHEET

ATTACHMENT 111 Page 94 of 135

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS 1 of 1

Dener VIRGINIA POWER	Deu OCTOBER 1,1990
SOOD DOMINION BUD, GIENALIEUNA	Sheet Z of Z
Plant MORTH ALVER STATION	Unit Z
Work Performed by VIDELLA PUEP Nazoe PO BOX 402 MILLERA VA 23117 Address	Repair Organization P.O. No., Job No., etc.  Type Code Symbol Statep  Authorization No.  Expiration Date
Identification of system FEEDWATER	
(a) Applicable Construction Code 5317 19 69 Edit	Location 19 23 583

6 identification of Components Repaired or Replaced or Replacement Components

Name of Component	Name of Macufactures	Masufacturer Scrial No.	National Board No.	Other Ideatification	Year Built	Repaired, Replacement or Replacement	ASME Code Start ped (Yes or No)	REASON FOR REPLACEMENT	WURK ORDER NUMBER
SUPPER-	GENNELL	5029	4/11	2-FW-HSS 205	87	REPLACED	NO	PER FUNCTIONAL TEST GROUP "A"	106683
SUDEBER	EDMHELL	5074	NA	2-FW-HSS	1000000	PERAGOD		TEST EROUP A"	10668
SHUPBER	SPINIELL	5023	- ZA	2-EW-HSS	A	PEPLACED	A	FOR SEAL LIFE FOR SEAL LIFE	107449
SAUBBER	ERINNELL	5038	U/A	377 11.22	90	PEPLACEMENT	NO	LIEE	107449
			******************	*************************					
			CONTROL ACTION CONTROL CONTROL		_				
			T-180 (100 to 1-10 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 -			CONTRACTOR A STATE AND ADDRESS.			
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	-		***************************************						
					-		-		
	-								
		Table 1							Maria I

Plant NOSTH	AULA FOUNTE	GR STATIO	200	Unit 2 WO# 107432,106721,107501,107498,106724 MMP-P-HSS-1 11550 Repair Organization P.O. No., Job No., etc.					
POBox 4	VIEGILIA OZ MINERA Address SAFET	3117	Type Code Symbol Stamp N/A  Authorization No. N/A  Expiration Date N/A						
(a) Applicable Con (b) Applicable Edit	struction Code B tion of Section XI Ut	31.7 19	(S) Edition	1923,SB3	ddenda, _	8,81(2),115	Code Car		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Eoard No.	Other Ident: ication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
SHUBBER	TITE	2082	N/A	2.51-	85	REPLACED	NO		
SHUBBER	PINNELL	2028	N/A	7.51- HSS-101	89	PERLACEMENT	100		
The first of the first	ERINNELL	1222	NA	12.51. HSS-500	89	REPLACED	No		
	TIT	1476	N/A	2.51 HSS 500	90	REPLACEMENT	NO		
SHUBBER SHUBBER	Chelifica								

Remarks ASME CL	Applicable Manufacturer's Data Reports to be ettached
MR COMMINGS A SUPERIOR STATE OF THE STATE OF	CERTIFICATE OF COMPLIANCE
We certify that the state	ments made in the report are correct and this PEPLACEMENT conforms to the rules of the
ASME Code, Section X1.	repair or replacement
Type Code Symbol Stamp	NA
	11/2
Certificate of Authorization No	Expiration Date
- tall	Expiration Date N/A  Expiration Date N/A  Date Sept 17,1990, 19
Signet Owner or Owner's Design	nee, Title
in right and a second contract of the contract	
	CERTIFICATE OF INSERVICE INSPECTION
	commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Statement and employed by $\mathcal{H}:\mathcal{J},\mathcal{B}:\mathcal{Z}\not\vdash\mathcal{E}$
HARTHURCH CT	have inspected the components describe
n this Owner's Report during th	e period Sept. 16, 1996 to Sept. 19,1996 and state the
	belief, the Owner has performed examinations and taken corrective measures described in the
	h the requirements of the ASME Code, Section XI.
	her the Inspector nor his employer makes any warranty, expressed or implied, concerning the scress described in this Owner's Report, Furthermore, neither the Inspector nor his employ
	any personal injury or property clamage or a loss of any kind arising from or connected with th
nspection.	
mad m Aux	Commissions VA 43 W
Inspector's Sign	Commissions FAYAY Isture National Board, State, Province, and Endursaments
Date Sept. 12	19.90

### SUPPLEMENTAL SHEET

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

OWNER VIRGINIA POWER	Date SEPTEMBER 16,1990
5000 Dominion BUD, STENALLEN, VA. 23	Of Sheet Zo of Z
Plant MORTH ANNA POWER STATION	Wo# 107432,106721,107501,107498,106724,
POBOX 402 MINERAL, VA ZSUT	Repair Organization P.O. No., Job No., etc.
POBOX ADZ MINERAL, VA, 23117	Type Code Symbol Stamp Authorization No. Expiration Date
Identificacion of system SAPETY INTECTION	
a) Applicable Construction Code 2317 19 69 Editi	on, 70 Addenda, 78.81(R), 115 Code Case
(a) Applicable Construction Code 2317 19 59 Editi (b) Applicable Edition of Section XI Utilized for Repairs or Repl	

6. Identification of Components Repaired or Replaced or Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SHUBBBR	EDINHELL	1724	11/12	2.51.HSS	85	REPLACED	10
SHUBBER	ELLINELL	1212	A/M	7.51 H 55 503	90	REPLACEMENT	NO
SHUBBBB	GRINNELL	1165	N/A	2:51:H55:	85	REPLACED	100
SHURBER.	FETUNELL	1040	NA	2 819455	89	REPLACEMENT	NO
SUUDI TEA	EDINNELL	1630	NA	2.51.HSS	88	REPLACED	NO
SHUBBER	ESTALIELL	1216	N/A	2-51-HSS	189	PEPLACEVER	NO
SHUBBER	SEINHELL	1030	NA	2.51.HSS	85	REPLACED	No
SHUBBER	SPILLHELL	1042	NIA	2.81.HSS	85	DEPLACEMENT	NO
SHUBBER	EXMINELL	1185	N/A	2.51-HSS 532.04	89	CEPLACED	No
SNUBBER	1911/07/2	1484	N/A	2,512,155	89	PEPLACEMENT	No
AA SAARA OO KOOLADAD AH IN SAAR CE ISB			NAMES OF THE OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER	Name of the Owner, which we have the owner, where the owner, which is the owner, where the owner, which is the owner, where the owner, which is the owner, where the owne			
A CENT OF THE PARTY AND THE PARTY OF THE PAR							
34 EVENE POLICE ON THE REAL OF PARTIE BOARDS	************************				-		-
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PIENT NORTH PO BOX 40	ANNA POUNTE	NER STAT	1012	Unit 2 WO# 106723,10 MMP 1	27.50°	106722 55-722	tc.
Work Performed by PO Rox 46	2 MILLERA	L, VA 23		Type Code Symbol S Authorization No Expiration Fe	tamp	AA	
(a) Applicable Cons (b) Applicable Editi Identification of Con	on of Section XI Util	ized for Repairs o	Replacement		Idencia, T	Repaired,	ASME Code Stampe
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Indiacement	or No
	ITT GRILLIELL	1086	N/A	2.51.HSS 80ZA	86	REPLACED	NO
SNUBBER-	the short	1026	NA	2.51.HSS 202A	89	REPLACEMENT	No
	GRINNELL			2.51. HSS.		REPLACED	14
SHUBBER	GRINNELL	1487	N/A	806	85	FELLINGE	1.00
SHUBBER SHUBBER SHUBBER	ITT		N/A		and the salidar	REPLACENS!	-

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

	CERTIFICATE OF COMPLIANCE
We certify that the starrments ASME Code, Section XI.	made in the report are correct and this PEPLACOMENT conforms to the rules of the repair or replacement
Type Code Symbol Stamp	R/A
Certificate of Authorization No.	NA Expiration Date N/A  Lings Date Sept 17 1990
Signed To The	A Engl Date Sept 17 1990
Owner browner's Designee, Ti	itie
AND THE RESIDENCE AND ADDRESS OF THE PARTY O	CERTIFICATE OF INSERVICE INSPECTION
or Province of Macquael	ission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta and employed by H. J. B. T. I.T.
in this Owner's Report during the perio	have inspected the components describe od Sept. 16, 1880 to Sept. 18, 1880, and state the
to the best of my knowledge and belief,	, the Owner has performed examinations and taken corrective measures described in the
	equirements of the ASME Code, Section XI.  I Inspector nor his employer makes any warranty, expressed or implied, concerning to
examinations and corrective measures d	described in this Owner's Report. Furthermore, neither the Inspector nor his employ reconal injury or property damage or a loss of any kind arising from or connected with the
Mosh in Marke	Commissions VA 724 National Board, State, Province, and Endorsements
Date_ \$507. 19 19	20

### SUPPLEMENTAL SHEET

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

0 Box 40	Name 2 MINERA	WER STA	X	NO# 106723 MMP-1	P-HS	55-11-	
ork Performed by	NINES Address		23117	Repair Org Type Code Symbol: Authorization No. Expiration Date	Stamp _	PO No. Job No	o, etc.
	on of Section XI t	tilized for Repa	irs or Replaces	Adde		B(P),1150	ode Ca
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASMI Code Stampe (Yes or No
SHUBBER	TTT-CPUMEN	- 1572	N/A	2.81.HSS BIOB	87	PERACED	No
HUBBER	GRINKELL	1063	NA	2 8 10 B	89	DEPLACEMENT	W
		FUERO 1989 2480 11 AANSON 188					
		E10000 CO.					
	Andrew Control of the	THE TRANSPORT PROPERTY OF THE PARTY OF THE P	P. L. C. D. C.	A STATE OF THE OWNER, WHEN PERSONS AND PARTY OF	-	Assessment and a second	1
		***********	PROPERTY AND PERSONS ASSESSED.		-		-

Owner VIIZG	SINIA POWE	8	navenum and	DATE SEPTEMBER 16, 1990				
Sacro Domi	HION BIND,	GLEN ALLE	N, YA 7306	Sheet of_	2			
	ANNA POW		ION	Unit 2 WO# 106718,100	0705,1	15330,10670	7,1067	
	OZ MINERA		2116	MMP . D . Repair Organi	zation P.	D. No., Job No., 6	itc.	
Work Performed by	VIRGINIA,	POWER	-	Type Code Symbol Stamp N/A				
Po Box 4	OZ MINER	AL, VA 3	3117	Authorization No.  Expiration Date				
Identification of Syr	mem MAIN :	STEAM						
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)	
	TIL	6025	N/A	2.SHP. HSS-212B	87	REPLACED	No	
SHUBBER	Mary But But But E. Landing			12 SHIP	and the same	e legacity de auditou excisto conditio		
	CPINNELL GRINNELL	6014	NIA	H55-212B	89	REPLACEMENT	NO	
SHUBBER	2011	6014	N/A N/A	HSS-217-B 2-5HP HSS-460.01	89	REPLACED		
SHUBBER SHUBBER SHUBBER SHUBBER	GRINNELL		and the second second second	H55-217-B	89 88 39		NO	

	Applicable Manufacturer's Data Reports to be ettached
	CERTIFICATE OF COMPLIANCE
We certify that the state	ements made in the report are correct and this PEPLACE MEMiconforms to the rules of the
ASMF Code, Section X1.	repair or replacement
Your Code Control Control	N/A
Type Code Symbol Stamp	
Certificate of Authorization No	H/A Expiration Date H/A
1127	Expiration Date N/A  Expiration Date N/A  The
Signed Owner or Owner's Desig	art Engli Dove Sept 17 10 90
- Child of Orthor & Dong	
CONTRACTOR OF THE PROPERTY OF THE PARTY OF T	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
어떤 보다는 아이들 아이들 것으로 가장 회원에 가장 전쟁이 되어 생각하고 있다. 얼마 얼마 나는 사람들이 되었다.	and employed by
Hertferd, CT	have inspected the components describe the period. Sept. 18,1880, and state the
	I belief, the Dwner has performed examinations and taken corrective measures described in the
	th the requirements of the ASME Code, Section XI.
	ther the Inspector nor his employer makes any warranty, expressed or implied, concerning t sures described in this Owner's Report. Furthermore, neither the inspector nor his employ
	any personal injury or property damage or a loss of any kind arising from or connected with the
inspection,	
meland	
mand my deak	nature Commissions VA Y2 Y National Board, State, Province, and Endorsements
Transfer or and a series	
Date Supt. 19	19.50

### SUPPLEMENTAL SHEET

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

OWNER VIRGINIA POWER	Date SEPTEMBER 16,090
5000 DOMINION BLUD GLEN ALLEN, VA 230	60 Sheet 2 of 2
Plant NORTH ANNA FOWER STATION	Walt 106713,106705,115330,106707,106708,1017
PO BOX 402 MINERAL VA 73117	Repair Organization F.O. No., Job No., etc.
Work Performed by VIDEINIA POWER	Type Code Symbol Stamp N/A
PO BOX 402 MINERAL, VA 23117	Espiration Date
Identification of system MAIN STEAM	
(a) Applicable Construction Code E317 19 69 Edit	ion, 70 Addenda, 78,81(F),115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Rep.	(accements 19 <u>83,58</u> 3
Identification of Components Repaired or Replacem	ent Components

Name of Component	Name of Manufacturer	Masufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SAIUBBER-	ETTINELL	1412	N/A	2-SAP-HSS 562-06	84	PEPLACED	NO
SHUBBER	FRINNELL	1612	N/A	12 SHP HSS	90	REPLACEMENT	No
SHUBBER	ENLINEUR	1227	N/A	2:5HP.H55 562:03A	88	PEPLACED	NO
SHUBBER	FELLINGELL	1579	NA	\$ 5HP 1 55 \$62.03A	89	PERACEMENT	NO
SHUBBER	THERINGELL	1471	N/A	363HE H55	85	REPLACED	NO
SHUBBER	ENTENELL	1177	N/A	2,5HB,H55	89	REPLACEMEN	NO
SHUBBER	GRINNELL	1333	N/A	2 SHP HSS 564 02		REPLACE	NO
SHUBBER	CHIMHELL	1546	N/A	664.02	190	REPLACEMEN	NO
SHUBBER	SELVINGEL	1623	NA	2.5HP HSS 564.03	188	REPLACED	NB
SJUBBER	EFFICELL	1604	N/A	\$64 03°S	89	REPLACENCE	TNO
							-
and the second second second second				-	-		-
				nice and the state of the state	1		-

Polsox d. Work Performed by	02, MINERA	NLVA, 2	3117	WOF 107425, I.  MMP F  Repair Organ  Type Code Symbol	Parlon P	,107423,1070 S. 10. JOB NO., N/A	
	DZ , WINERA	ALVA.Z		Authorization No Expiration Date		NIA	
(a) Applicable Cond (b) Applicable Edit Identification of Co	ion of Section XI Util	lized for Repairs	or Replacement	s 19.83,585	ddends, 🗍	(B, B)(E),IIS	Code Cas
							ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other identification	Year Built	Repaired, Replaced, or Replaceme.	Stamped (Yes
Component			Board No.	1dentification 2 WT-HSS 405.03	Built	Replaced,	Stamped (Yes
Component	Manufacturer	Serial No.	Board	identification	85	Replaced, or Replaceme.	Stamped (Yes ''o)
COMPONENT SHUBBER SHUBBER	Manufacturer  TTT  GRINNELL  ITT	Serial No.	Board No.	identification  2.WT-HSS  405.03  2.WT-HSS	85 90	Replaced, or Replaceme.	Stamped (Yes ''o)
	Manufacturer  TTT  GRINNELL  ITT  GRINNELL  ITT	1224 1631	No.	2 WT HSS 405 03 2 WT HSS 405 03 2 WT HSS	85 90 83	Replaced, or Replaceme.  REPLACED  REPLACEMENT	NO   NO   NO   NO   NO   NO   NO   NO

recorded at the top of this form.

	Applicable Manufa	ecturer's Data f	Reports to be attache		
	CERTIFICATE	The second section of the second			
We certify that the statem ASME Code, Section X1.	nents made in the report as	re correct and t	repair or replacem		rules of the
Type Code Symbol Stamp	NA				
YPE Gode Symbol Stamp					
Certificate of Authorization No	4/11	Ехр	ration Date	N/A	
1/10	no h		Date Sept 1	7	60
Owner of Owner's Designe	e, Title		Date 24		19.2
alpanenamenamenamenamenamenamen	CERTIFICATE OF	INSERVICE	INSPECTION		
, the undersigned, holding a valid coor Province of Narganas	ommission issued by the N	lational Board	of Boiler and Pressure	Vessel Inspectors	and the Stat
				ted the componer	nts describe
n this Owner's Report during the	period Sept	16,1980	10 SEPT.	1 1980 ,0	nd state the
o the best of my knowledge and b					
Owner's Report in accordance with i					
By signing this certificate neithe					
examinations and corrective measu- hall be liable in any manner for an inspection.				The state of the s	
mil m H					
Mosh M. Marce	ture Cor	nmissions	VA 424 National Board, State,	Province and End	Oreamants
			THE COMITY GOODS	erince, and Emo	

### SUPPLEMENTAL SHEET

ATTACHMENT III Page 102 of 135

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS Side 1 of 1 As Required by the Provisions of the ASME Code Section XI

1 Owner VIRGINIA POWER	Date SEPTEMBER 16,1990
5000 DOMINON BLUD SLENAUEN VA 250	Sheet Z of Z
PO BOX 402 MINERAL NA 23117	Unit 2 Worth 107425, 106729, 107423, 107422, 10672 MMP-P-HSS 1 Repair Organization F.O. No., Job No., etc.
PO BOX 402 MINERAL VA, 23117	Type Code Symbol Stamp Authorization No. Expiration Date
4 Identification of system WET LAYUP	
5 (a) Applicable Construction Code 8317 19 69 Edition	a. 70 Addenda 18.81(E).115 Code Case

6. Identification of Components Repaired or Replaced or Replacement Components

Name of Manufacturer	Magufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced,	ASME Code Stamped (Yes or No)
ERINNELL	1206	N/A	7.WT-HSS	85	REPLACED	No
ENTINNELL	1280	N/A	2 WT H55	90	REPLACEMENT	NO
79 75 78	1515	N/A	2 407.01A	85	REPLACED	NB
of the total	1614	N/A	2 WT HSS	90	PEPLACEMENT	NO
To To To	1465	NA	2. WT HSS	84	PEPLACED	NO
ELIVNELL	1392	N/A	2 WT HSS	90	REPLACEMENT	NO
			-	-		
*********						
	S KOPP'S TRANSPORTATIONS					
	and section to the contraction of the contraction we save the	~				-
			-			potent de mayor men
	MADUFACTURE EPINNELL EPINNELL EPINNELL EPINNELL EPINNELL EPINNELL	MADUFACTURE SCIAL NO.  ELINNELL 1280 ELINNELL 1515 ELINNELL 1614 ERINNELL 1465	Name of Maguiacturer Board No.  ELINNEUL 1206 N/A ELINNEUL 1280 N/A ELINNEUL 1515 N/A ELINNEUL 1614 N/A ELINNEUL 1614 N/A ELINNEUL 1614 N/A ELINNEUL 1665 N/A	Name of Masufacturer Serial No. No. Ideatification  EDINNELL 1206 N/A 2 WT HSS 406.03  EDINNELL 1515 N/A 2 WT HSS 407.01A  EDINNELL 1614 N/A 2 WT HSS 407.01A	Name of Manufacturer Manufacturer Serial No.         Board Identification         Other Point         Year Identification         Year Identification           EFLUNELL 1206 N/A 2406.03         100 N/A 2406.03         85           EFLUNELL 1280 N/A 2407.01A 85           EFLUNELL 1515 N/A 2407.01A 85           EFLUNELL 1614 N/A 2407.01A 90           EFLUNELL 1465 N/A 2407.01A 90	Name of Masufacturer Serial No. No. Identification Built or Replacement or Replacement Serial No. No. Identification Built or Replacement Of Replacement No. Identification Built or Replacement Of Replacement No. Identification Built or Replacement Of Replacement No. Identification Built or Replacement No. Identification No. Identification Built or Replacement No. Identification

Plant NORTH	ALILLA POUR SON	UER STAT	100	WO# 10665 MMP 1	BIG.	482,107 55-1	481
Work Performed by	OZ MINE	ZAL, VA.	23117	Type Code Symbol ! Authorization No Expiration Date	Stamp	NA	
	ion of Section XI Util	ized for Repairs o	or Replacemen		Year	Repaired, Replaced,	ASME Code Stampe (Yes
Component	Manufacturer	Serial No.	NO.	Identification Z-RC	Built	or Replacement	or No
	ITT		N/ Fix	H55 -138	857	PEPLACED	NO
SHUBBER	GRINNELL	1104	er proper Control in the legal to the		and the state of		
		1326	N/A	7. EC 1383		PEPLACENES	No.
SHUBBER	GRINNELL GRINNELL		er proper Control in the legal to the	2.20		PEPLACED	20
SHUBBER SHUBBER SHUBBER	GRINNELL	1326	N/A	2.85 HSS 1385 2.86 HSS	90		No

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

	Applicable	e Manufacturer's D	ata Reports to be attached	
	CERTI	FICATE UF COM	PLIANCE	
We certify that the ASME Code, Section X1.	tatements made in the	report are correct i	and this <u>REFLACEMENT</u> correplacement	nforms to the rules of the
Type Code Symbol Stamp	N/A			
Certificate of Authorization N	NA		Expiration DateN	/A
Signed Owner or Owner's D	esignee, Title	ENGR	Date Sept 17	19.90
7				
		ATE OF INSERV		
or Province of Vergini	and employ	ed by H. J.	B. I + I	0
the top of a college See !	with annual S	4-410-185	have inspected to Sopt. 19, 1	he components describe
			minations and taken corrective	
Owner's Report in accordance				
By signing this certificate	either the Inspector n	ar his employer m	akes any warranty, expressed	or implied, concerning th
			ort. Furthermore, neither the le e or a loss of any kind arising f	
Mod m A	Signature	Commissions	VA 424 National Board, State, Prov	nce, and Chdorsemants
Date Sept 19				

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

000 Dom	NIONBUD	GLEN ALLE	V.VA 23060	Sheet 2			
ant North	Address ANNA Po Name	NUSE STA	TION	Unit 2 WO# 10665	7,10	7482,107	48
10 BOX 40	Address	AL, VA	23117	MMP-	100	SS - I	
ork Performed by	VIRIGIL	IA POW	60	Type Code Symbol			0., 61
O BOX 4	DZ MINE	Name 2AL VA	23117	Authorization No. Expiration Date _	-	NA	
	Address				Total		
entification of sys	nem PEAC	10x CC	CLAN				
AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY.	-						
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASI Co Start (Y or !
Composest			Board	Identification	Built	Replaced,	Start (Y or !
Composest NURRER	Masufacturer	Serial No.	Board No.	Identification	Built 85	Replaced, or Replacement	Co Start (Y or !
Composess	Masufacturer	Serial Na	Board No.	Identification	Built 85	Replacement REPLACED	Co Stan (Y or !
Composess	Masufacturer	Serial Na	Board No.	Identification	Built 85	Replacement REPLACED	Co Stan (Y or !
Composest	Masufacturer	Serial Na	Board No.	Identification	Built 85	Replacement REPLACED	Co Stan (Y or !
Composess	Masufacturer	Serial Na	Board No.	Identification	Built 85	Replacement REPLACED	Co Stan (Y or !
Composest NURRER	Masufacturer	Serial Na	Board No.	Identification	Built 85	Replacement REPLACED	Co Stan (Y or !
Composest NURRER	Masufacturer	Serial Na	Board No.	Identification	Built 85	Replacement REPLACED	Co Start (Y or !
	Masufacturer	Serial Na	Board No.	Identification	Built 85	Replacement REPLACED	Start (Y)

TION 23117 23117 EAT 1969 Edition airs or Replacement Oct	With 2-  Unit 2-  VMMP-PHS Repeir Orga  Type Code Symbol Authorization No Expiration Date  Its 1983,583  omponents (SEE AND REPLA	Sly2 inization P Stamp	BB(R), IIS	Code Cas
23117 23117 EAT 1969 Edition airs or Replacement Co	Type Code Symbol Authorization No. Expiration Date Type 1983,583	Stamp	BB(R), IIS	Code Cas
23117 FAT 1969 Edition eairs or Replacement and Replacement Co	Type Code Symbol Authorization No. Expiration Date TO A	Stamp	BB(R), IIS	Code Cas
1869 Edition airs or Replacement Co	Type Code Symbol Authorization No. Expiration Date TO A	Stamp	BB(R), IIS	Code Cas
1969 Edition airs or Replacement Co	70 A	siddenda, Z	BB(R), 115	L SHE
1969 Edition airs or Replacement of Replacement Co	omponents ( 5EE	SUPP	LEMENTA	L SHE
	AND REPLA	Lerier	VI COMPO	
rer Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stamped (Yes o (No)
		l	1	
EBER-				
	No.  No.  No.  Nominal Operation psi Test Temp.  es, or drawings ma	No. Identification  No. Identification  Nominal Operating Pressure  psi Test Temp.  es, or drawings may be used, provided (1	No, identification Built  Nominal Operating Pressure  psi Test Temp.  es, or drawings may be used, provided (1) size is 89	No. Identification Built or Replacement

5900106699,5900107429,5900106762,5900107428,	HEN(LL) SHUBRERS
NUMBERS 5900107491, 5900106701, 5900107485	

ASME Code, Section X1.	
51/.	
Type Code Symbol Stamp	
Certificate of Authorizings No. Expiration	n Date N/A
Signed Owner's Designee, Title Eagh Date	Oct / 10.90
CERTIFICATE OF INSERVICE INSP	ECTION
in this Owner's Report during the period Report of my knowledge and belief, the Owner has performed examination.  Owner's Report in accordance with the requirements of the ASME Code, Section.	have inspected the components described 29 Lept AFC, and state that as and taken corrective measures described in this
By signing this certificate neither the Inspector nor his employer makes any examinations and corrective measures described in this Owner's Report. Furth shall be liable in any manner for any personal injury or property damage or a los inspection.	hermore, neither the Inspector nor his employer
Walter & Mich Commissions - Della	CHT TE
Inspector's Signature Natio	nal Board, State, Province, and Endorsements
Date_/	

ATTACHMENT 111 Page 106 of 135 Side 1 of 1

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

1 Owner VIDGINIA POWER	Dete SEPTEMBER 29,1990
SOOG DOMINION BUYD CHAN ALLEN, VA 23060	Sheet 2 of 3
2 Plant NORTH ANNA POWER TIATION	MMP P. HSS ] , AND 10/1/90
PO POX AOZ MINERAL VA ZBUZ	Repair Organization PO. No., Job No., etc.
POROX 402 MUBRAL VA 23117	Type Code Symbol Stamp Authorization No. Expiration Date
Address  Address  Address  Address	
5 (a) Applicable Construction Code B317 19 69 Edition	83(R) 1990 Addenda 18,81(X) 15 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Repla	cements 19 <u>83,583</u>

6. Identification of Components Repaired or Replaced or Replacement Components

Name of Component	Name of Mapufacturer	Manufacturer Serial No.	National Board No.	Other Ide etification	Year Bulls	Repaired, Replaced, or Replacement	ASME Code Staro ped (Yes or No)	REASON FOR REFLACEMENT	WORK ORDER NUMBER
SHURRER	ECHNIEL.	1581	N/A	2-PE-HSS	25	REPLACED	NB		07491
SULPRER	COUNTRY	1442	N/A	2-PH HSS		PEPLACENTE	No		107491
SHUPPER	SEIDDER	2003	N/A	2 PH H35	435	REPLACED	CONTRACTOR OF STREET	FUNCTIONAL TEST GRAP A	10670
SHUBBER	CENNIDE LL	2131	A/A	2-PH-H85	85	PEPLACEMEN	NO	TEST SPOUP A	
SUPPRER	Spriner	1209	N/A	127A-R53	25	DEPLACED	NO	SEAL	10748
FHURRER	Bunner	1750	NA	2-R4-8-85	90	PEPLACHED	N6		107489
SUURRER	TIT	1385	N/A	3-6H 4122	935	DEPARED	NO		106700
SAL PEER	Edwarn.	1072	NA	2. RH2H55	90	PEPLACEMENT	NO	TEST SPOUPA	1 k 2 mm
SAURRER	SEIDDELL	1066	N/A	2-PH-H-55	89	DEPLACED	NO		10669
SUURRER	EVIDATELL.	1118	N/A	2-RH-HSS	90	PEPLACEMENT	Contract of the last of	FUNCTIONAL.	
KNURRER	HANKEL	2038	NA	2 PH H35	85	PEPLACED	NO	SEAL	10742
SWERE	CENTRETT	2087	NA	2-2H H 55	or owner or constraints	PEPLACEMEN	OR STATE OF THE PARTY OF THE PA	SEAF	10742
SHURRER	ENNETT	2077	N/A	S-64-H22	89	DEPLACED	NO	TEST CROUP A	10670
SUUBBER-	ERINNELL	2023	N/A	2.84.855	189	PEPLACEMEN	-	TEST CON EX	10670
SHURRER	SEMMEN	2068	NA	2. BH B22	self-measurement in	PERLACE	HORSE COST BALLISON STREET	SEAL	10742
SH PREP	BEINDELL	2165	NA	2-PH H55	190	DEPUACENEN	MO	SEAL	10742

ATTACHMENT III Nage 107 of 135

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS Side 1 of 1 As Required by the Provisions of the ASME Code Section XI

P. P. N.S 1. 2. PT. 79. O. 2. FT. 79.  Repair Organization P.O. No., Job No., etc.
P.P.H.SS-1, 2.PT.79.0, 2.FT.79.
Repair Organization P.O. No., Job No., etc.
The second second second second second second
Code Symbol Stamp
icion Dete
2 Addends 78 80/18/15 Code Cu

6 Identification of Components Repaired or Replaced or Replacement Components

Name of Component	Name of Macufacturer	Macufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Siamped (Yes or No)	REASON FOR REPLACEMENT	WORK ORDER NUMBER
SAURRER SAURRER	SPILITELL SPILITER	2209 2021	N/A N/A	7.05 7.05 7.05 7.05 7.05 7.05 7.05	90	PEPLACEN	- NO	FOR SEAL FOR SEAL FOR SEAL	107427
SUURRER SAURISSE	SET INDELL	1340	N/A N/A	2-84-455 2-84-455 707	90 85	REPLACED REPLACEMENT REPLACED	20 0	FORESEAL	V57489 V57489 V57493
SUBREZ	Sommer.	1416	NA	2 FH: HSS	90	DEPLASME	- NO	FORESEAL	10749
							manufaction of the same		
									normal money was
						*********************			
						errennum ener de armeteche			

POBOX 40	ANNA POW	5K DIA 16					
20 Box 40				Unit Z			
	T MILITRA	L,VA,23	117	MMP P.HS Repair Organ	S 1 2	PT.79.0	2.PT
Nork Performed by	VIRGINIA	POWER.		Type Gode Symbol S			-
PO Box	402 MINES	ALVA	23117	Authorization No Expiration Date		NA	
	stem_CHEMIC			CONTROL			
dentification of Co	mponents Repaired of	or Replaced and R	PLACED AA	ND REPLACE		COMPONE	NTS)
FUR IDEN	TIPICATEO	OF RET	National	D REPLACE		Repaired, Replaced	ASME Code Stamped (Yes
Name of	Name of	Manufacturer	Board	Other	Year	C. Anthe Lancinson Fr.	
Component	Manufacture.	Seria No.	No.	Identification	Built	or Replacement	or No)
	Manufacture.	Seric No.	No.	Identification	Built	or Replacement	or No)
	Manufacture.	Seria, No.	No.	Identification	Built	or Replacement	or No)
	Manufacture.	Seria No.	No.	Identification	Built	or Replacement	or No)
	Manufacture.	Serial No.	No.	Identification	Built	or Replacement	or No)
	Manufacture.	Serial No.	No.	Identification	Built	or Replacement	or No.
	Manufacture	Serial No.	No.	Identification	Built	or Replacement	or No)
Component				Identification	Built	or Replacement	or No)
Component	Manufacture.			Identification	Built	or Replacement	or No)
Component		D SHURS	35-02		Built	or Replacement	or No)

9.	Applicable Manufacturer's Data Reports to be attached  NUMBERS 5900107461,5900107465,5900106651
	REPLACED TOTAL OF THREE (3) SHUBBERS
	CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this PERLACEMENT conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Actionization No. N/A Expiration Date N/A  Signed Owner or Owner's Designee, Title  EngR Date Oct/ 1990
	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 GIEG AVIA and employed by Address Florid States Bodes II + 2 00 of the Province of GIEG AVIA and employed by Address Florid States Bodes II + 2 00 of the Province of GIEG AVIA and employed by Address Florid States Inspected the components described in this Owner's Report during the period 2 2 dept 1990 to 29 dept 1990, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	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  Date 1990

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

Owner L'IDGINIA FOUTER	Dete SEPTEMBER 29,1990
5000 DOMINION BUD SIBIALIBINA 2806	Sheet of
2 Plant NORTH ANNA FOWER STATION	Uait
PO BOX 402, MINBRAL NA. 73117	Repair Organization P.O. No., Job No., etc.
POBOX 402, MINERAL VA 23117	Type Code Symbol Scarep  Authorization No.  Expiration Dete
4 Identification of system CHEMICAL AND VOLUM	E CONTROL
5. (a) Applicable Construction Code 8317 19 69 Edition (b) Applicable Edition of Section XI Utilized for Repairs or Repla	83(R) 190 Addenda, 1881 (8) 15 Code Case  coments 19 83583

6. Identification of Components Repaired or Replaced or Replacement Components

Name of Component	Name of Mapufacturer	Mapufacturer Serial No.	Wational Board No.	Other Identification	Year Bulls	Repaired, Replaced, or Replacement	ASME Code Stare ped (Yes or No)	REASON FOR REPLACEMENT	WORK ORDER NUMBER
SHURRER.	STINNELL	1184	NA	2-CH 455 401.04-	85	REPLACED	100	POR SEAL	10746
SUUBBER	EFLINELL	1406	N/A	2.CH HSS		REPLACENCE	TNO	FOR SEAL	10746
SUURPER	EDIMUELL	1426	N/A	2-6H HSS 401.24A	- THE CHARLES	DEPLACED	NO	FOR SEAL	10746
SHUBBER	EFFINELL	1191	N/A	2-CH-H55		PEPLACEINENT	NO	FOR SEAL	1074
SALBBER	TIT GRUNELL	1344	NA	468,03		REPLACED	NO	TEST CROUP'A"	
SUVERER	EDPINEIT	1547	NA	468.63	general ferres	PEPLACEMENT	- CHENTER CONTRACTOR	FUNCTIONAL TEST GROWN	10665
			***************************************						
. E BORTOTONIA PROGRAMA SANONIANO SA GAM						***************************************			
			-				-		

Owner VIR	SINIA PON	UER		Date SEPTER	a i	29,199	0_
5000 Domin	ION BLUD GI	ENALLEN	VA 23060	Sheetlof	2		
Plant NORTH	ANNA POU	DER STAT	ION)	Unit 2			
	OS WINES			MMP PHS	5-1,2	PT-79.0,	2.91.
	VIRGINIA			Repair Organ			rtc.
		Name	211-4	Authorization No Expiration Date			
	2 MILERA Address			Expiration Date		N/A	
Identification of Sy	stem PEACTO	r Coola	A)T				
(b) Applicable Edit	ion of Section XI Uti	lized for Repairs o	r Replacement	70 A s 1983,583 imponents (SEE S			
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)
						-	
					-		
Daniel Man	k REPLACE	D emiliar	-E-O	***************************************			
, conscription of wor	K WAST CASE	P SHODI	55-K				
. Tests Conducted:	Hydrostatic P						
MONE	Other [ ] Fressure	Q31	rest temp.				
NOTE: Sumpleme	intal sheets in form of	of lists, sketches, o	r drawings ma	y be used, provided (1	size is B	% in, x 11 in., (2)	informa-

	ASME CLASS 1, THIS WIS 2 COVERS WORK ORDER NUMISER Applicable Manufacturer's Data Reports to be attached 40.106693,5900106662,5900107483,5900107480
E	PLACED TOTAL OF POUR (4) SHUBBERS.
ASME	CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this PEPLACEIVENT conforms to the rules of the repair or replacement.
Type (	Code Symbol Stamp N/A
Signed	Owner or Owner's Designee, Title  Expiration Date  NA  Expiration Date  NA  Date  Oct   1990
	CERTIFICATE OF INSERVICE INSPECTION
or Pro	undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State vince of Under AH and employed by HAAT Ford State Boiler I + I CC of have inspected the components described
to the	have inspected the components described so Owner's Report during the period 29 8-pt 1990 to 29 8-pt 1990, and state that best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this r's Report in accordance with the requirements of the ASME Code, Section XI.
By exami	signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the nations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
6	Usland State Commissions VA 558 Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date_	1 00+ 1990

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

Owner VIRGINIA POWER	Du SEPTEMBER 29,1990
5000 DOMINION BLVD, GLEN ALLENNA, Z	3000 Sheet 2 of 2
Plant MORTH ANNIA POWER STATION	Un. 2
PO ROR 402, MINERAL, VA 23117	MMP.P. 1185-1, Z.PT. 79 0, 2.PT. 79.  Repair Organization P.O. No., Job No., etc.
Work Performed by VIRGINIA POWER	Type Code Symbol Stagep
POROX AOZ MINERAL NA 23117	Expiration Date
Identification of system PEACIDE COOLANT	78.0.101.1.
(a) Applicable Construction Code B317 19 69 Ed	83(E) 48 19/19/ lition, 70 Addenda, 78.8 (E) 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Re	

6. Identification of Components Repaired or Replaced or Replacement Components

Name of Consponent	Name of Manufacturer	Macufacturer Scriel No.	National Board No.	Other Ideatification	Year Built	Repaired, Replaced, or Replacement	ASME Code Start ped (Yes or No)	REASON FOR REPLACEMENT	WORK ORDER NUMBER
SAUBRER SAUBRER SAUBRER SAUBRER SAUBRER SAUBRER SAUBRER	GENNELL  GRINNELL  GRINNELL  GRINNELL  GRINNELL  GRINNELL  GRINNELL	2101 2163 1522 1387 1221 1017 1164 1201	12/A 22/A 22/A 22/A 22/A 22/A 22/A 22/A	2 RC HSS 410.00 2 RC HSS 410.00 2 RC HSS 457.02 R 2 RC HSS 457.02 R 2 RC HSS 457.02 R 2 RC HSS 459.01 2 RC HSS 459.01	90 89 90 95 90 85	REPLACED REPLACED REPLACED REPLACED REPLACED REPLACED REPLACED	88888888	FLACTIONAL TEST SPAIP A FUNCTIONAL TEST SPAIP A FUNCTIONAL TEST SPAIP A FUNCTIONAL TEST SPAIP A FUNCTIONAL TEST SPAIP A FOR SEAL LIFE FOR SEAL LIFE FOR SEAL LIFE FOR SEAL LIFE	106693 106662 106662 107483 107483 107483

	NAME NAME		3117	Unit 2 WO.Nº 590	000	(92 to~	\
	DZ MINER		2117	Repair Organi	zation P.O	D. No., Job No., 8	10.74
	VIRGINIA	1.496 (17)		Type Code Symbol S Authorization No.	tamp	N/A N/A	
POBOX 4	DZ MINERA	L VA., Z	3117	Expiration Date		N/A	
	tem PEACTO						
Name of Component	Name of Menufacturer	Manufacturer Serial No.	National Board No.	Other	Year Built	Repaired, Replaced, or Replacement	Code Stamps (Yes or No
				I BE DEC			
CONTRACTOR DESCRIPTION	ITT	1219	NA	2.RC. HSS.	89	REPLACED	No
HUBBER	GRINNELL	A Special Commence of the Comm				Pro Latina	A1-
HUBBER HUBBER			N/A	637.02	90	KEPLACEMEN	MC
HUBBER	SPINNELL	1642	N/A N/A	637.02 2.20.HSS	90	REPLACED	
HUBBER HUBBER HUBBER	GRINNELL	1642	remarkanish market	637.02			NC

	Applicable Manufacturer's Data Reports to be attached
the sent to the the server	CERTIFICATE OF COMPLIANCE  ments made in the report are correct and this PEPLACEMENT conforms to the rules of the
ASME Code, Section XI.	ments made in the report are correct and this For Carcing conforms to the rules of the repair or replacement
Type Code Symbol Stamp	N/A
Type Gode Symbol atamp	
Certificate of Authorization No.	N/A Expiration Date N/A
1181	
Owner or Owner's Design	nee Title Engl Date Sept 12 1990
AND A THINK THE RESIDENCE OF A STATE OF THE PARTY OF THE	CERTIFICATE OF INSERVICE INSPECTION
	commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Statemann and employed by 1997 ford of them Boller 2 F. F. O
n this Owner's Report during th	e period 1 dept 1280 to 12 5ept 1990, and state the
	belief, the Owner has performed examinations and taken corrective measures described in th
	n the requirements of the ASME Code, Section XI.
	her the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	sures described in this Owner's Report. Furthermore, neither the Inspector nor his employe any personal injury or property damage or a loss of any kind arising from or connected with th
nspection.	my paracran regard or property durings of a read of any strice arising from or commented with the
1 00	
Weller & M.	Commissions UM 5 18
Inspector's Sign	nature National Board, State, Province, and Endorsements
Date 12 Sept	19.90
Date	neuronal Descriptions are second

	INION BLVD		Y VO LXEL				-
	ANNA POWER			Unit_2			
PO BOX 40	DZ MINERA	L, VA 23		WORK ORDERN	55900	0. No., Job No.,	90010" etc.
Work Performed by	VIRGINIA!	POWER Name		Type Code Symbol S		H/A	
	OZ MINER		23117	Authorization No Expiration Date		NA	
	stem REACTE						
Identification of Co	emponents Repaired o	Replaced and R	eplacement Co	mponents			ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stamped (Yes or No)
WUBBER	ITT GRINNEUL	1331	N/A	2.RC HSS-103	85	REPLACED	NO
SHUBBER	ITT GRINNELL	1715	NA	H55-103	89	REPLACEMENT	NO.
SHUBBER	ITT GRINNELL	1027	NA	12.RC	85		
CHICAGO STATE STAT	ITTGRINNELL	1312	N/A	2.RC. HSS-140B		PEPLACEMENT	
SHUBBER							

	Applicable Manufacturer's Data Reports to be attached
-	
	CERTIFICATE OF COMPLIANCE
	certify that the statements made in the report are correct and this beginning conforms to the rules of the
ASME Code,	Section XI.
Toma Carlo D	N/A
Type Gode by	mbol Stamp
Cartificate of	Authoritation No. 1 Expiration Date N/A  Expiration Date N/A  Date Sapt 12 19 90
Ger tiricate or	Expiration Date
Signed	All track para Sept 12 10 90
	ner of Owner's Designee, Title
/	CERTIFICATE OF INSERVICE INSPECTION
I, the undersi	gned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province o	VIRGINIA and employed by HAM Ford STORM Bollon I to CO 0
H15-7-62	d of have inspected the components described
in this Owne	to the components described the components describ
	f my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Repo	ort in accordance with the requirements of the ASIviE 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 employe
shall be liable	in any manner for any personal injury or property damage or a loss of any kind arising from or connected with thi
inspection.	
	16 1/1
- Heldel	Inspector's Signature Commissions National Board, State, Province, and Endorsements
	Mational Board, State, Province, and Endorsements
Date /2	dept 1990

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

Address  Repair Organization PO  Type Code Symbol Stamp Authorization No. Expiration Date  Address  Address  Address  Applicable Construction Code E317 19 69 Edition.  Applicable Edition of Section XI Utilized for Repairs or Replacements 19 63 63 63 63 63 64 65 64	O. No. Job !	Ho., etc.
Address  Repair Organization PO  Type Code Symbol Stamp Authorization No. Expiration Date  Address  Japplicable Construction Code  Applicable Edition of Section XI Utilized for Repairs or Replacements 19  Japplicable Edition of Components Repaired or Replacement Components  Name of Component Manufacturer Serial No.  No. Identification Built or Repaired or Replacement Components  Name of Component Manufacturer Serial No.  No. Identification Built or Repaired No.  Repair Organization PO  Type Code Symbol Stamp Authorization No.  Expiration Date  Address  National Japplicable Edition of Section XI Utilized for Repairs or Replacements 19  Name of Components Repaired or Replacement Components  Name of Component Manufacturer Serial No.  No. Identification Built or Repaired No.  Repair Organization PO  Type Code Symbol Stamp Authorization No.  Expiration Date  National Japplicable Edition of Section XI Utilized for Repairs or Replacements 19  Name of Components Repaired or Replacement Components  Name of Component Manufacturer Serial No.  No. Identification Built or Repaired No.  Repair Organization PO  Type Code Symbol Stamp Authorization No.  Expiration Date	O. No. Job !	Ho., etc.
Name of Name of Manufacturer Serial No.  No.  Replacements 19  Serial No.  Replacements 29  Serial No.  Replacemen	VA.	Code Case
Address  dentification of system  a) Applicable Construction Code B317 19 B Edition, Addenda, Addenda, B) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 B Addenda A	1/2	Code Case
Name of Name of Manufacturer Serial No. No. Identification Built or RESERVED BERLEN BUILT OF REPARED BOARD SERVED BUILT OF REPARED BOARD BUILT OF REPARED BOARD BUILT OF REPARED BUILT B	BI/R),115 (	Code Case
Applicable Construction Code B317 19 69 Edition 70 Addenda 788  b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 688  dentification of Components Repaired or Replaced or Replacement Components  Name of Name of Manufacturer Board Other Year Component Manufacturer Serial No. No. Identification Built or RESIDERE SETURBLE 1002 H/A RESIDERED FOR SETURBLE 100	BI/R),H5 (	Code Case
Name of Name of Manufacturer Serial No. No. Identification Built or Replacement No. No. Identification Built or Replaced No. No. Identification Built or Replaced No. No. Identification Built or Replaced No. No. Identification Built No. No. Identifi	BI/R),115 (	Code Case
SHUBBER STANELL 1070 HIA BERGARE 89 REP	Repaired, Replaced, Replacemen	ASME Code Startoped (Yes
SHUBBER STEWELL 1070 H/A BESS 1428 89 PER	PLACED	NO
SLIDBRED JULIUS 1122 N/A 3/85/45R 89 DE	PLACEMEN	NO
The same of the sa	EPLACED	No
SLIUBPER BETWELL 1200 H/A FREGASE 89 REP	PLACEMENT	NO
SHUBBER SETUDELL 1158 H/A FESSIAT 85 DE	EPLACE	NO
SHUBBER STUNELL 1083 H/A ASS 147 89 REF	PLACEMEN	1 NO
SHUBBER STANELL 1359 H/A 425 85 80 PE	PLACED	NO
	วลม3 5419	NO

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

As Required by the Provisions of the ASME Code Section XI

Owner VIR	Name			Date_SEPTEN		511/1990	
5000 Domi	ALON BLVD,	SLEN ALLEN	, YA 23060	Sheeto	<u> </u>		
Plant NOCTA	ANNA PONE	e Station		Unit 2	ALC: N		
PO Box 4	OZ MINERA Address	LVAJZ	3117	NO NO 590 Repair Organ	SO IOT	513,1077	05
Work Performed by	VIRGINIA	POWER		Type Code Symbol !	Stamp	NA	
	02 MINER	2.81112		Authorization No Expiration Date		N/A	
	stem DECAY			E			
	ion of Section XI Util						
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.
SHUBBER	ITT GRINNEU	2157	N/A	2.DHR- H55-233	85	PEPLACED	No
SHUBBER	ITT-GRINNELL	2166	N/A	2. DHR. HSS 233	89	PEPLACEMENT	- NO
SHUBBER	ITT GRINNEUL	1371	H/A	2.DHR. HSS-235	85	REPLACED	No
SHUBBER	ITT GRINNELL	1616	N/A	2 PHE HOS-235	90	REPLACEINA	- NO
Tests Conducted:	REPLACE Hydrostatic Pressure	aumatic   No	ominal Operating	g Pressure°F			

	CERTIFICATE OF COMPLIANCE
We cartify that the statements mi	ade in the report are correct and this REPLACEMENT conforms to the rules of the
ASME Code, Section XI.	repair or replacement
Type Code Symbol Stamp	N/A
	NVA / NVA
Certificate of Authorization No.	Expiration Date
111	Expiration Date NA  Expl Date Sept 12 1990
Owner or Owner's Designee, Title	Dute 2 4 7 4 19 10
	CERTIFICATE OF INSERVICE INSPECTION
	sion issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of WINGING	and employed by there Stan Both 2+200 0
that ford & t	have inspected the components described
in this Owner's Report during the pc od	d / Sept 1480 to 12 Sept 1980, and state tha
to the best of my knowledge and belief, t	the Owner has performed examinations and taken corrective measures described in thi
Owner's Report in accordance with the req	quirements of the ASME Code, Section XI.
	Inspector nor his employer makes any warranty, expressed or implied, concerning th
	scribed in this Owner's Report. Furthermore, neither the Inspector nor his employe
	onal injury or property damage or a loss of any kind arising from or connected with thi
Inspection,	
William & Strhem	Commissions LAG TS 84
Inspector's Signature	National Board, State, Province, and Endorsements
,	
Date 12 Sept 192	

5000 Don	MINION BU	JD, GLEN	ALLEN, VA	23000 1 o	1		
Plant NORTH	ANNA POU	UBR STA	TON	Unit 2			
POBox 40	2 MINER	AL, VA.	23117	MMP.P.	HSS	1,2.PT.X	9,0,2
Work Performed by	VIRGINIA	POWBY	2_	Type Code Symbol	Stamp	. 4 7 4	
PO Box	402 MINI	BRALIN	A. 2311	Authorization No  Expiration Date		N/A	
Identification of Sys	item REACT	OR COO	THAI				
(a) Applicable Cons	truction Code_B	31.7_19,	69. Edition	70 A	ddenda, [	8,81,83(k)	Code Cas
(b) Applicable Editi	ion of Section XI Util	ized for Repairs o	or Replacemen	ts 1983,585			
Identification of Co.	mponents Repaired o	r Replaced and R	eplacement Co	mponents			
Name of	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Component	PRODUCTION OF THE PROPERTY OF			2 RC-H55-	00	REPLACED	Nie
Component	TILPBINNER	1642	NA	637.02	70	KCLTHOPT	
Component NUBBER			N/A N/A	637.02 2. RC. HSS 637.02	90	DEPLACEMENT	
Component NUBBBR			N/A N/A	637.02 2.RC.HSS- 637.02	90		
			N/A N/A	637.02 2.RC.HSS 637.02	90		

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

	Applicable Manut	acturer's Data Reports to be attac	thed	
				-
			-	
		E OF COMPLIANCE	-	
	ments made in the report	are correct and this PEPLACEA		of the
ASME Code, Section XI.				
Type Code Symbol Stamp	N/A			
	11/1	1	11/1	
Certificate of Authorization No.	NH	Expiration Date	NA	
1.11	1 11			
Owner or Swner's Desig	inge Title	Date / 0-15	. 19 5	0
ý	OFFITIOATE !	SE INSERVICE INSPECTION		
t and industrial balding a light		OF INSERVICE INSPECTION		
I, the undersigned, holding a valid or Province of	and employed by	Mational Board of Boller and Pre	By Ten D47	the State
son How at	and employed by	have in	spected the components	described
in this Owner's Report during the	he period 19 00	+ 486 to 1800	1 1990 and	tate that
to the best of my knowledge and				
Owner's Report in accordance wit	th the requirements of the	ASME Code, Section XI.		
By signing this certificate neith	ther the Inspector nor his	employer makes any warranty, e	expressed or implied, conce	rning th
examinations and corrective med	asures described in this O	wner's Report, Furthermore, ne	ither the Inspector nor his	employe
shall be liable in any manner for	any personal injury or pro	party damage or a loss of any kin	d arising from or connected	with thi
inspection.	11			
weller yo	Kichem	Commissio Ul S		
Inspector's Sig	nature	National Board, S	state, Province, and Endorse	rnents
Date 26 001	19.20			
A North Control of the State of	the second of the second second			

				Sheet 1 of			
Plant NORTH	1481178						
PO 130x 4	OZ MINBE	ear, va.	23117	MMP.P.HS.	S-112	O. NO. JOB NO.	Z-1-1.
Work Performed by	VIRGINIA	LOWER Name	2	Type Code Symbol S		NA	
Po Box 40	DZ MINER	AL, VA.Z	23117	Authorization No Expiration Date		NA	
identification of Sys	TANK MANAGEMENT						
Identification of Co	mponents Repaired o	Replaced and R	eplacement Cor	mponents			
	Name of	Manufacturer	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stamped (Yes or No)
Name of Component	Manufacturer	Serial No.			MAN III		
	Manufacturer	1392	N/A	2.WT. H55 408.01	90	REPLACED	No
Component	Manufacturer ITT GRINDEU	1392	N/A N/A		90		. 1

	Applicable	Marufacturer's De	ta Reports to be att	tached	
					-
	CERTI	FIGATE OF COMP	LIANCE		
We certify that the state				EMENdonforms to	the rules of the
ASME Code, Section XI.			repair or repl	acement	
	1)/4				
Type Code Symbol Stamo	10/10			1 1 2 3	
Certificate of Authorization No.	NA	/ .	xpiration Date	NA	
110	11 1			0	
Signed	and		Date _ / 0 - 2	4	19 90
Owner or Owner's Desi	gnee, Title				
	OF BYLE IO	ATE OF INDEBLU	OF IMPROPRIATE		TO THE REAL PROPERTY AND PARTY AND PARTY.
, the undersigned, holding a valid		ATE OF INSERVI		assura Vassal Instrum	tors and the Ctar
or Province of URE - +	and employ	ed by	ford Sterm	Borter D	1 50
strittent of			have in	appeared the comp	onents describe
n this Owner's Report during t	he period 19 o	ct 1890		1880	, and state the
o the best of my knowledge and				corrective measure	s described in th
Owner's Raport in accordance wi					
By signing this certificate nei					
kaminations and corrective me shall be liable in any manner for					
rspection.					
1.16.	///				
Maller ()	Kick-	Commissions _	National Board 5	State, Province, and	Endorsements
			The state of the s		
Date 26 OCT	1920				
The second secon	revenue ! Vinc				

	AULIA PO			Unit 2	1	2000	0.57
DIXXA	DZ MINGR	ALIVA	-60111	MMP.P.H	ization Pl		to.
Vork Performed by	VIRGINIA	Name Name	R.	Type Code Symbol S Authorization No		NA	
	OZ MINES		45117	Expiration Date		NIA	
dentification of Sys	stem BEACTOR	2 COOLA	TU				LI P
a) Applicable Cons	struction Code B	31,7 19	69 Edition.	70 AC	idenda, 78	3,81,83(P)	Code Case
b) Applicable Editi	on of Section XI Util	ized for Repairs of	or Replacements	1923,265			
dentification of Cor	mponents Repaired o	r Replaced and R	eplacement Con	nponents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampeo (Yes or No)
Component	Manufacturer	Seriel No.	Board	Identification		Replaced, or Replacement	Code Stampeo (Yes or No)
Component	Manufacturer	Seriel No.	Board	Identification		Replaced, or Replacement	Code Stamped (Yes or No)
COMPONENT NUBBER NUBBER	Manufacturer ITT GRINNEU ITT GRINNEU	Serial No.	Board	138	90 90	Replaced, or Replacement  PEPLACED  PERLACED	Code Stamped (Yes or No)
COMPONENT MUBBER MUBBER	Manufacturer  ITT GRINNEU  ITT GRINNEU  ITT GRINNELL	Serial No. 1326 1751 -1169	Board	2-PC-HSS 138 2-PC-HSS 138	90 90 90	Replaced, or Replacement  PEPLACED  PEPLACED	Code Stamped (Yes or No)
COMPONENT MUBBER MUBBER	Manufacturer ITT GRINNEU ITT GRINNEU	Serial No. 1326 1751 -1169	Board	2-PC-HSS 138 2-PC-HSS 138 2-PC-HSS 467.02	90 90 90	Replaced, or Replacement  PEPLACED  PEPLACED	Code Stamped (Yes or No)

recorded at the top of this form.

tion 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

AND	ME CLASS 1, THESE SAUBBEES BEMOVE PEPLACED FER WORK ORDER NS'S 116771 \$5900116772
We co	CERTIFICATE OF COMPLIANCE  rtify that the statements made in the report are correct and this CEPLACENEA conforms to the rules of the ction XI.
Type Code Syn	boi StampNA
1	Date 2.24 19.80
Signed Owner	or Owner's Designee, Title
or Province of	CERTIFICATE OF INSERVICE INSPECTION  and, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of
to the best of r	Report during the period 1901 1900 to 1900 to 1900, and state to the corrective measures described in accordance with the requirements of the ASME Code, Section XI.
By signing texaminations a	his certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed any manner for any personal injury or property damage or a loss of any kind arising from or connected with
-4	Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date 26	00 10 20

. cwier VIRGI		Date @ 70135R 22,1990					
axo Dom	INION BUD	GENAUE	H, VA 2300	Sheetc	r		
Plant HORTH	ANNA Pau	GR STATI	NO	Unit 2			
Porox 40	2 MILIBRAL	-NA 2	3117	MMP-P-HS	5.1,2	PT.79.0,2	UPTO
. Work Performed by				Type Code Symbol		4 1 14	etc.
	2 MINOPA			Authorization No Expiration Date		NA	
	stem QUENC						
	ion of Section XI Util emponents Repaired o						
Name of Component	Name of Menufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SHUBBER	ITTGRINNELL	1179	N/A	2-05-H5S	90	PEPLACED	16
SHUBBBER	(TTGRIDDELL	1286	N/A	2.05.HSS 800	90	PEPLACEMENT	No
. Description of Worl	BEPLACED S	SUUBBER	FOR EUC	INTERING E	EQUE	ST PER V	WORK

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

	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We certify that the state	ements made in the report are correct and this PERLA EMENT conforms to the rules of the
ASME Code, Section X1.	repair or replacement
	11)
Type Code Symbol Stamp	NIT
	4/1/
Certificate of Authorization No	Expiration Date VV
1	You te Date 10-24 19 80
Owner or Owner's Design	
	CERTIFICATE OF INSERVICE INSPECTION
t, the undersigned, holding a valid	commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
or Province of U.S. of 1014	commission issued by the National Board of Boile; and Pressure Vessel Inspectors and the State and employed by Hard the State States Police at 100
Hospitard CT	have inspected the components descrit to period 19 oct 1950, and state to
in this Owner's Report during th	te period 19 oct 1990 to 19 oct 1990, and state to
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	h the requirements of the A3ME Code, Section X1.
By signing this certificate neith	her the inspector nor his employer makes any warranty, expressed or implied, concerning t
examinations and corrective meas	sures described in this Owner's Report. Furthermore, neither the Inspector nor has a priory
	any personal injury or property damage or a loss of any kind arising from or connected with the
inspection.	
11.06 -	MI LIBERY
William Inspector's Sign	Commissions State, Province, and Endorsements
Date 26 oct	.20
L/d (Carried and Control of the Cont	

5000 Domi	MON BLUD G	LENALLEN,	VA 23060	Sheet o	1		
Piam ANRIA				Unit 2			
	SZ MINER			mmen	155.	1,2-FT 79	0,2.5
. Work Performed by		parent,		Type Code Symbol	Stamp	NA	
PO BOX	AOZ MIN	BRALIV	A.23117	Authorization No Expiration Date		N/A	
. Identification of Sy							
(b) Applicable Edit	ion of Section XI Util mponents Repaired o						
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Bullt	Flepaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SHUBBER	ITTER! LEW	1157	N/A	2.RC. HSS	87	PERLACED	No
SHUBBER	(TTGRINNEL	1422	A/N	2-RC-HSS 444.03	90	REPLACEMEN	OT NO
Description of Work	PEPLACED WORK ORD				ING R	EQUEST I	PGP_

Applicable Manuf	acturer's Data Reports to be attached	
CERTIFICATE	E OF COMPLIANCE	
We certify that the statements made in the report a		the rules of the
ASME Code, Section XI.	repair or replacement	
11/1		
Type Code Symbol Stamp		
N/A	1/1/	
Certificate of Authorization No.	Expiration Date DA	
- La dely years	Date 10-24	90
Owner or Owner's Designee, Title	Date 2.5 17	19
- de referencia de la constanta		*******
CERTIFICATE O	F INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the f	National Board of Boiler and Pressure Vessel Inspec	tors and the Sta
or Province of 10661214 and employed by	Hartland Steven Both T. of Z	00
in this Owner's Report during the period 15 oct	have inspected the comp	onents describ
in this Owner's Report during the period 12 007	1891 10 19 00 190	, and state th
to the best of my knowledge and belief, the Owner has perf	formed examinations and taken corrective measure	s described in th
Owner's Report in accordance with the requirements of the A	SME Code, Section XI.	
By signing this certificate neither the Inspector nor his e		
examinations and corrective measures described in this Ow		
shall be liable in any manner for any personal injury or prop	arty damage or a loss of any kind arising from or co	nnected with th
inspection.		
Willie Eller co	mmissions UA 558	
Inspector's Signature	National Board, State, Province, and	Endorsaments
Date 26 00 1 1990		

5000 Domi	NION BUT	GLENA	LLEN VAZ	Sheet 1 o	1_1		
Plant NORTH				Unit 2			
PO Box 40	2 MINIGRA Address	L, VA. 2	307	MMP-P-H	155-1	2 PT 79.0	2,2.P
Work Performed by	VIRGINIA!	POWER		Type Code Symbol	Stamp	NA	
POBOX 40	2 MINERAL	,VA. 23	117	Authorization No Expiration Date		N/A	
Identification of Sys	tem WET L	M'UP					
(a) Applicable Cons	truction Code 5	31.7 19	69 Edition,	70 A	ddenda, Z	8,81,83(8)	Code Cas
(b) Applicable Edition	on of Section XI Util	ized for Repairs	or Replacement	1923,503			
Identification of Cor	mponents Repaired o	Replaced and R	eplacement Co	mponents			
		Manufacturer	National Board	Other	Year	Repaired, Replaced,	ASME Code Stamped (Yes
Name of Component	Name of Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
Component	Manufacturer	Serial No.	No.	Identification	Built 89		
Component SHUBBER	Manufacturer  ITT GRINNEL	Serial No.		Identification	de a	REPLACED REPLACEMENT	No
	Manufacturer  ITT GRINNEL	Serial No.	No.	2-WT-HSS 405.02- 2-WT-HSS	de a	REPLACED	No
Component SNUBBER	Manufacturer  ITT GRINNEL	Serial No.	No.	2-WT-HSS 405.02- 2-WT-HSS	de a	REPLACED	No
Component SAUBBER	Manufacturer  ITT GRINNELL  ITT GRINNELL	Serial No	NO.  N/A  N/A	2-WT-HSS 405.02- 2-WT-HSS 405.02	89	REPLACED	NO NO

recorded at the top of this form.

tion 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

	Applicable Manu	ufacturer's Data Repo	orts to be attached	
THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	CERTIFICA	TE OF COMPLIANCE	E	
We certify that the stat			PEPLACEMENTconfor	ms to the rules of the
ASME Code, Section XI.		T)	epair or replacement	
Toron Control Control	NIA			
Type Code Symbol Stamp	17/11		. ) .	
Certificate of Authorization No.	2 N/A	Expiration	on Date NA	_
1/1	11. 1			
Signed 6	mine	Date	10.24	19 90
Owner or Owner's Desig	inee, Title			
				*****
C the series insend healther a culting		OF INSERVICE INSE		
I, the indersigned, holding a valid or Province of	and employed by	Hatignal Board of B	Home Poller	spectors and the Sta
Must had et	The state of the s		have inspected the	components describe
in this Owner's Report during to	ne period. 4 oct	1972 10.	190c+ 1990	, and state th
to the best of my knowledge and	belief, the Owner has pe	erformed examination	ns and taken corrective me	asures described in th
Owner's Report in accordance will	h the requirements of the	ASME Code, Section	XI.	
By signing this certificate neit				
examinations and corrective mea				
shall be liable in any manner for inspection.	any personal injury or pro	perty damage or a los	ss of any kind arising from	or connected with th
willen ok	the -	Commissions	CH 555	
Inspector's Sig		Natio	onal Board, State, Province	and Endorsements
Date 26 CCT	19 9 8			

5000 DOMIN Plant NORTH	ANNAPR	WER ST	dor,	Unit 2			
PO 130x 40	C1350.361 30.89		3117	MMP-P-HSS	ization P.	Pr. 79.0,2 0. No., Job No., 0	PT-76
Work Performed by				Type Code Symbol S Authorization No	tamp	NA	
POBOX 40	V/C/CILGRR			Expiration Date	/	0/4	
Identification of Syst	IN SAFET	Y INJEC	TION				. 1 401
(a) Applicable Const	truction Code 57	31.7 191	69 Edition,	70	dende, 7	8,81,83/P),	Code Case
(b) Applicable Edition	on of Section XI Util	ized for Repairs o	r Replacements	19,202,205			
Identification of Cor	nponents Repaired o	r Replaced and Re	eplacement Con	nponents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Starnued (Yes or No)
	ILLEUNDELL	2074	NA	2-51-H56	85	REPLACED	No
SHUBBER				2-51-HSS	00		TAK
		2026	NA	ACC	70	REPLACEMEN	1 11/2
		2026	N/A	ACC)	70	REPLACEMEN	1 146
SHUBBER SHUBBER		2026	N/A	LOOA .	70	REPLACEMEN	7 100

	Applicable Manufa	acturer's Data Reports to be attached	
	CSRTIFICATE	OF COMPLIANCE	
We certify that the statemen		re correct and this DEPLACENTAL	Conforms to the rules of the
ASME Code, Section XI.		repair or replacemen	
	1//2		
Type Code Symbol Stamp	11/1		
-3	11/2		N/A
Certificate of Authorization No.	- 17/1	Expiration Date	VYPX
Signed To U	inte	Date 10-24	10 90
Owner or Owner's Designee,	Title	Date 2	. IV
	CERTIFICATE OF	FINSERVICE INSPECTION	
		lational Board of Boiler and Pressure	
		Houtford Steam Brike il	
TTHAT FORE OI	15 15 1-1	have inspecte	d the components describe
		ormed examinations and taken correc	
Owner's Report in accordance with the			rtive measures described in th
		mployer makes any warranty, express	sell or implied concerning th
		ner's Report. Furthermore, neither t	
		erty damage or a loss of any kind arisin	
nspection.			
1 11			
willen Ell	Cor	mir issions William	
	0	National Board, State, P	rovince, and Endorsements
Inspector's Signatu			
Inspector's Signatu			

				Sheet	1		
Plant NORTH	ANNA F	WER S	MOITAT	Unit 2			
0 Box 2	OZ MINES	ear, NA.	23117	MMP - P - H	55-1/	2.PT.79.0	ZPI
Nork Performed by	VIRGINIA	Power	2	Type Code Symbol	Stamp	NA	
PO Box	402 MIN	GRAL)	(A. 23.17	Authorization No Expiration Date		NA	
	tem MAIN	Colors C. Colors					
				70 s 19.83,583 nponents (555 5 PLACE INFO			
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	
Description of Work	PEPLACI	ED SUI)	RREDS	<u> </u>			
PORCEIN COLL DI TTOTA			Market Town				

9. Remarks ASME CLASS 2. THIS NIS-2. COURS WOOK ORDERS NUMBERS: 5900110856, Applicable Manufacturer's Data Reports to be attached
5900110847,5900110846,5900106710,5900110845,5900106718,5900107456,
5900110855,5900110824,5900110858,5900110832,5900110833,5900110834,5900110835
5900110841,5900110839,5900110840,5900110842; PEPLACED TOTAL OF EIGHTEENI
(18) SAUBBERS:

CERTIFICATE OF COMPLIANCE

We cartify that the statements made in the report are correct and this PEPLACEMENT conforms to the rules of the repair or replacement

Certificate of Authorization No. 10	Expiration Date NA
Signed Owner or Owner's Designee, Title	Date 10-24 19 90
CERT	TIFICATE OF INSERVICE INSPECTION
or Province of DIRGINICAL and er	sued by the National Board of Bolist and Pressure Vessel Inspectors and the Stat
in this Owner's Report during the period 20	imployed by $\frac{1}{1280}$ to $\frac{1}{1280}$ to $\frac{1}{1280}$ and state the where has performed examinations and taken corrective measures described in the
in this Owner's Report during the period 20 to the best of my knowledge and belief, the Ortowar's Report in accordance with the requirem By signing this certificate neither the Inspece examinations and corrective measures describe	nployed by Attack from Stars Boiler I + I CO have inspected the components described to 2011/990 and state the where has performed examinations and taken corrective measures described in the

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

08heer 2 of 4
Vair 2
MMP-PHSS 1, Z-PT-79.0 Z-PT-79.  Repair Organization P.O. No., Job No., etc.
Type Code Symbol Symp Authorization No. Expiration Date

6 Identification of Components Repaired or Replacement Components

Name of Component	Naise of Mapulacturer	Maoulacturer Serial No.	National Board No.	Other Ideatification	Year Bulk	Repaired Replaced, or Replacement	ASME Code Stand ped (Yes or No)	REASON FOR REPLACEMENT	WORK ORDER NUMBER
SHUBBER	ITTERINNEU		N/A	2.5HP.H55	87	REPLACED	No	话台	11085
SNUBBBE	MIGRINAFIL	4010	NA	2.5HP HES		REPLACEMEN		EFA	11085
SLUBBBE	ITT GRINNELL	4034	NA	2.88578	87	REPLACED	NO	印色	11084
SWRPER	ITTARIANA	4012	NA	2. SHE HES	89	PEPLACEMENT	NO	百台上	11084
SUBBER	ITT GOLNWALL	4037	NA	S-SHE FRS	87	REPLACED	NO	SEAL	11081
SWUBBER-	ITTERWELL	40161	NA	2915455	99	DEPLACEMENT	NO	364	11084
SWUBBBR	ITT GRINNELL	4035	NA	るるまとなる	87	REPLACED	NO	FUNCTIONAL TEST GRAUPA	10671
	ITTERINVELL	4011	NA	2-356759	29	PERCACEMENT	NO	FUNCTIONAL TEST SPANA	1067k
THE RESERVE AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY.	ITT GRINNELL	4033	NA	S. SASSER	87	PEPLACED	NO	CEA-	11084
SWUBPGR	IT GRINNELL	4009	NA	S-SHP.HSS	90	REPLACEMENT	NO	STEAL	10845
NUBBEEL	MITGRIMUELL	8008	NA.	2-5HF5H89	91	PEPLACET	NO	FUNCTIONAL	106718
SMUBBBP.	ITT GRIVINGUL	8003	NA	2-SHP.H65	90	REPLACEDEN	NO	TEST GROUPY	10671
- F A	ITT GRINNELL	6001	NA	2-51-15 Fiss.	25	REPLACED	NO	に発し	10745
	ITTGRIMELL	6013	NA	607/2	90	REPLACEMENT	NO	LIFE	10745
	IT GRINNELL	6026	NA	2-54P2H55	36	DEPLACED	10	EFAL	11085
SNURBER	TTTGRININGL	6031	NA	2 SHE HSS	39	DEFRACEN ENT	NO	3124	11085

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

		The state of the s
Owner	VIRGINIA FOWER	DEU OCTOBER 2,1990
50001	DOMINION BUD GLENALLEN, V	A. 2305 3 or 4
	LORTH ANNA POWER STATE	The second secon
PCF	30x 402 MINGRAL NA 2	2317 MMP.P.1155-1,2-PT-79.0.2-P
Was med	formed by VIRGINIAL TWER	Type Code Symbol Stamp N//Q
POF	BOX 402 MINERAL, NA ?	23117 Expiration Date
4. Identificat	tion of system MAIN STEAM	
5. (a) Applica	ce ble Construction Code 8317 19 69	Edition 70 Addenda 788183(P)Code Case
	cable Edition of Section XI Utilized for Repairs or	[1] [1] [1] [1] [2] [3] [3] [3] [3] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4
& Identificat	tion of Components Resp. and or Replaced or Renta	

	The Control of the Co	N 46			A SECTION AND ADDRESS OF THE PARTY OF THE PA	the state of the s	
- 6.	Identification of	Commonweate	Benn co	d no	Banlaned or	Benjamment !	Componente
- 10	Tries to . TE Lines Fillers - His	TO SECURE A SECURE OF THE SECU	PLE DISK SE	u un	ace by menion on	PLUE SPLINGUE SENDRES	C-CMEI VYCHEMERSEN

Name of Component	Name of Manufacturer	Mae ufacturer Serial No.	National No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stareped (Yes No)	REASON FOR REPLACEMENT	WORK ORDER NUMBER
SNUBBBR	ITTORINDER	6010	NA	2.5HP.HSS 2.Z3A	86	REPLACED	NO.	EFAG	110874
SNUEBBE-	ITT'SPAINELL	6011	NA	2-545 756	90	GEO PLACEMENT	NO	CEAL	110874
SMURRER	ITTERINARU	5027	NA	2-27E-H3	86	REPLACED		SEAL	110856
SULBBOR	ITTOPINNEL	5053	MA	2-545 HSS	89	REPLACEMENT	100	語色	110859
SMURRER.	ATT GRINNOU	-1132	NA	24	86	PEPLACE	NO	党をし	11083
SUURBBR	ITTARIUNELL	1574	IVA	2-548-HSS	34)	PEPLACEMENT	NO	27000	11083
SMUBBER	ITTEPIANSLI	1376	NA	2-5AP HSS 243	87	DEPLACED	10	SEAL	U083
SWERER	ITTERIORISCU.	1352	NA	2-8412453	89	PEPLANER	NO	SEAL	11083
SNUBBBO	CITGOLANGEL	1568	NA	2-544 455	86	PEPLACEN	No	SEAL	11083
SNUBBER	ITTGRIVINGU	12193	NA	2.25 HE	90	REPLACEIVED	NO	·经验	110834
SMURBER-	MIGRINARI	1297	NA	335 92	86	REPLACED	No	SEAL	11088
SUBREC	LITTERINNELL	1333	NA	3 5AP HSS	90	DEPLACEDIE	No	SEAL	11083
SUBBE?	MENNINGER	11150	NA	1383.85	86	PEPLACET	NO	CEAL	11084
SWEBER	TTARINNELL	15630	NA	384P H26	90	PER ACENSO	NO	STAL	11094
STURBER	IT'T CIPLINATED	12:29	NA	36370325	87	REPLIKS	NB	SEAL	11083
SNUBBER	MERINGE	1316	NA	3230320	90	PEPLATING	NO	SEAL	1108

#### SUPPLEMENTAL SHEET

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

SOOS DOMINION BLUD, GLEN ALLENSA	Det 1000862 20,1990
1001 LOPIH AWA PONER STATION	Vair 2
Work Performed by VIRGINIA POWER - Name PO BOX 402 MINERAL VA.	Repair Organization P.O. No., Job No., etc.  Type Code Symbol Stamp Authorization No.  Expiration Date
Identification of system MAIN STEAM	
(a) Applicable Construction Code 3317 19 49 Edition (b) Applicable Edition of Section X7 Utilized for Repairs or Repla	ne 70_ Addends 78.81.83.P) Code Case
Identification of Components Remained or Replaced or Replacement	

6. Identification of	Composests	Repaired or	Replaced or	Replacement Compound	153
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Name of Composent	Name of Mapufacturer	Manufacturer Serial No.	Nacional Board No.	Other Identificacion	Year Built	Repaired, Replaced, or Replacement	ASME Code Sumped (Yes or No)	REASON FOR REPLACEMENT	WORK ORDER NUMBER
SNUBBER SNUBBER SNUBBER SNUBBER	ITTGRINNELS ITTGRINNELS	1598	N/A N/A N/A N/A	The second second second second second second	90	PEPLACED BEPLACENCHI DEPLACE DIPLACENCHI	No	ABINATA DEAL DEAL DEAL DEAL	11084/ 11084/ 11084/ 11084/
	The state of the s								***************************************

V1860	NIA POWER			Date Octor	S Rivo	22,1990	
	1981116		14 220			Maring Andrews 7th	
	HON BLAD G				1		-
Plant LORTH	ALLIA PONE	e Station	7	unii 2	-		
POBOX	OZ MINER	2 LIVA	23117	MMP.P.US	5-1-2	PT-79.02	PT-75
	· VIRGINIA			Type Code Symbol	Stamp	NA	
	402 MINE	1981116	23117	Authorization No Expiration Date		NA	
	Address ystem PEACTO						
	Instruction Code 33						
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Roard No.	Other Identification	Ynar Bullt	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or (20)
					-		
The state of the s							
Description of Way	* PEPLACED	SUBBE	25				
Tests Conducted:	Hydrostatic Processure	neumetic 🗀 No	minal Operatio				
	ntal sheets in form o						

recorded at the top of this form.

P. Remarks ASME CLASS 2.	THIS HIS 2 COVERS WORK OLDER
Appli	0107472 530107508,5900107507,5900101510)
5900106697,5900107477,59	000106661,5900107479,5900106663,5900106675,590010666
590010486,5900104691,5900116 5900106627,5900107436,59 TWENTY THREE (23) SHUB	0785,5900110784,5900110485,5900104688,5900107487, 900106689,5900106690 REPLACED TOTAL OF BERS
	the report are correct and this PEPLACEMENT conforms to the rules of the repair or replacement
Certificate of Authorization No.  Signed Owner or Owner's Designee, Title	Dete 10-24 19.90
CERT	IFICATE OF INSERVICE INSPECTION
in this Owner's Report during the period.	have Inspected the components described the spectors and the State of the performed examinations and taken corrective mediates described in this cents of the ASME Code, Section XI.
examinations and corrective measures described	or nor his employer makes any warranty, expressed or implied, concerning the in this Owner's Report. Furthermore, neither the Inspector nor his employer jury or property damage or a loss of any kind arising from or connected with this Commissions
Inspector's Signature  Date 26 00 f 19 20	National Board, State, Province, and Endorsements

## SUPPLEMENTAL SHEET

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

1 Owner VIRGINIA POWER	Dete CETOBER 22 1990
PO BOX GOZ, MILIERAL VA 23017	WIEP P. HSS-1, 2-PT-79,0,2-PT-79
POBOX 402 MILERAL, VA. 2317	Repair Organization P.O. No., Job No., etc.  Type Code Symbol Stamp Authorization No.  Expiration Date
I Identification of system PRACTOR CONTAINT	
(b) Applicable Construction Code BBIT 19 69 Edition (b) Applicable Edition of Section XI Utilized for Repairs or Replant	

6. Identification of Components Repaired or Replaced or Replacement Components

Name of Component	Name of Manufacturer	Masufacturer Sorial No.	National Board No.	Other Tile attrication	Year Bulk	Repaired, Replaced, or Replacement	ASME Code Start ped (Yes or No)	REASON FOR REPLACEMENT	WORK ORDER NUMBER
SHURBER	ITTERIMAED	1669	NA	2-RC-HSS	85	PERACED	No	FOR FUNCTIONAL TEST GROUP A	10665
SHUBBER	TYGRILLERL	1478	NIA	2.86-HES	90	PERLACEMBIT	NO	FOR FUNCTIONAL	10665
SNURRER	MENTALINE	1631	NA	2. REHES	85	REPLACED	motorolductorious	FOR SEAL	10747
SHURRER.	MERINNELL	1532	N/A	2.RC-HS6		REPLACEMENT		FOREGEAU	10747
SHUBBER	MASSIDITETT	2110	NA	2-RC-HSS 410:01	85	REPLACED	No	FOR SEAL	10750
JUERER .	ITTEPHLEA	2080	NA	12.86.65	1000	REPLACEMENT	NO	FORSEAL	10750
SHUBBER	TESTURELL	2045	N/A	2.年6世5号	95	REPLACED	NO	FORSEAL	16756
SHUPPER	DIGNUMELL	2093	NA	2.60.03	86	REFLIXEMENT	COL	FORSEAL	10750
STORPED-	ITTGRINDEL	2037	NA	2.RC.H55	95	PEPLACED	NS	FORSEAL	167510
SUIRPER	ITTOPILLEU	2010	NA	2-PC-FISS		BERLACEMENT	No	FORSEAL	1675K
SALURRER-	ITTSPAUELU	3076	NIA	2-264-85	89	REPLACED	NO	FULKTIONAL TEST GROUP A	1066
SULPRER	MENNER	3048	Nih	14.00 14.00	39	REPLACEMENT	END	FUNCTIONAL TEST GROUPA	10669
SAUBRER	ITTGRILLELL	1310	NA	2 RC HSS		REPLACED	NO	FORSEAL	10747
SUURBER	MERLUAN	1432-	NA	2 RC-HSS	89	PEFLICGIEN	NO	FORSEAL	10747
SHUBBER.	TTGRANELL	1036	N/A	5.85.4185		REPLACED	No	FUNCTIONAL TESTSPOUPA	10666
STUBBLE .	THEFTTHE	1281	MA	2.RC-H65 453.31	90	BERACEMENT	NO.	FUNCTIONAL TEST GRAUPA	10666

### SUPPLEMENTAL SHEET ATTACHMENT III

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

SOOD DOMINION BUD GEN ALLEN, VA. 230	ONLY OCTOBER 22,1990 68heer 3 or 4
2 Plant NORTH ANNA FOWER STATION  Name  PO POX 402, MINERAL NA, 23117  Address  1 Work Performed by VIRGILIA POWER  PO BOX 402 MINERAL NA, 23117  Address  4 Identification of systems REACTOR COOLAST	MMP-P-HSS-1, 2-DT-79.0, 2-PT-79.3  Repeir Organization P.O. No., Job No., etc.  Type Code Symbol Statep  Authorization No.  Expiration Date
5. (a) Applicable Construction Code 1331.7 19 69 Edition (b) Applicable Edition of Section XI Utilized for Repairs or Replace	

6. Identification of Components Repaired or Replacement Components

Name of Component	Name of Maculactures	Maoufacturer Serial No.	National Board No.	Other Identification	Year Bufft	Repaired, Replaced, or Replacement	ASME Code Stare ped (Yes or No.	REASON FOR REPLACEMENT	WORK ORDER NUMBER
SHUBBER	TTC ENDER	1228	N/A	2-EZ-HES 458-01	85	REPLACED	No	SEAL	107470
SHUBBBE	ITTERILLELI	1689	NIA	2.RC. ASS 458.01	MA	REPLACEMENT	NO	SEAL	107.475
SAUBBBB.	MESINDER	1335	ALVI	2.RC-H55	-	REPLACED	NO	PULKTIONAL TEST GROUPA	10666
SHUBBBB	ITTEPHATEL	1358	NA	2. RC-455	1	PERACEMENT	- Control of the last	TESTOPAL	10666
SUUBBER	MEDINNELL	1012	NA	2-80-485	- Marin	REPLACED	-	FREVIOUS	10666
SMURRER	MEDINETT	1150	NA	2.80 HSS	1	PEPLACEMENT	controller of	PATUODE	106665
SHUBBBER	ITTEPLINELL	1603	NA	2. RC. HSE 516.07		GEPLACED		FUNCTIONAL TESTS BY ID A	106666
SHUBITE	ITTERINDELL	1638	AVA	Z-RC-HES	90	REPLACEMEN		FUNCTIONAL	106-66
SHUBBBE	MERINDELL	1320	AVA	2-RC-HSS 531.08	87	REPLACED	NO	FUNCTIONAL	10668
	ILLEBITINES I	1653	AM	SEC HES	THE RESERVED	REPLACEMENT	NO	FUNCTIONAL TEST BOOK A	10/15
SLIUBBER	THANKELL	1731	NA	2.86.85	89	REFLACED	NO.	ENACESARA	10669
SHUBBGE	TITEPILNELL	1038	AVA	2546.02	90	DEPLACEMENT	NO	FUNCTIONAL FEST SPOUPA	10669
SHUBBER.	Contraction to the second	1276	AVA	284982	86	REPLACED		PREVIOUS FAIL	11078
	MIGRINHELL	1658	NA	549.85	1000 000	PEPLACEMEN	NO	PREVIOUS.	HATE
	ITTERNALELL	1029	NA	3,49,835	85	PEPLACED	NO	SEAL	11078
ZTR JSB LESS	TTERMUELL	1419	N/A	3547.835	90	PER ACEAEU	OUT	CEAL	11078

OWNER VIRGILIA PONGE	DALE OCTOBER 22,1990
5000 DOWNION BUID GLEN ALLEN NA 2300	Sheet A of A
PION NORTHANNA POWER STATION	Unit 2
POBOR GOZ MINERAL, NA. 23/17	MMP.P.HSS-1, 2-PT-P.O, 2-PT-P
Work Performed by VIRGINIA POWER	Repair Organization P.O. No., Job No., etc.  Type Code Symbol Stamp
POBOR 202 MINERAL, VA. 23117	Authorization No. Expiration Dete
Identification of system BEACTOR COOLAUT	
(a) Applicable Construction Code 531.7 19 69 Edition	a 70 Addenda 7884.83/8)115
(b) Applicable Edition of Section XI Utilized for Repairs or Repis	AND THE RESIDENCE OF THE PARTY

6. Identification of Components Repaired or Replacement Components

Name of Component	Harpe of Map ut extures	Macufacturer Serial No.	National Board No.	Other Ideatification	Year Bulk	Repaired, Replaced, or Replacement	ASME Code Start ped (Yes or No)	REASON FOR REPLACEMENT	WORK ORDER NUMBER
SHURPBR	ILLEBINIER	1372	NA	2-BC H55	85	REPLACED	No	SEAL	107485
SHUBBER	ITTERINLEU	1003	N/A	3:35 735	100 h	PEPLACENT	- Introduction of the last	RAL	10748
SLIUBBER	LITCHIBLELL	1457	NA	2.80 ASS	W. 100	REPLACED	authorize/20pms	FUNCTIONAL	10668
The annual continuous and a second	ITTERINIPLL	1000	NA	2363735		RED ACEMENT		FUNCTIONAL TEST GROUPA	1066
BULBBER	TTGRUNE	1383	NIA	2.86.485	4	PERMED	-	SEAL	107487
SHURBER	La constitue de la constitue d	1450	NA	S'ES HEE		PEPLACENEUT	- reducibule de la comp	THE STATE OF THE S	10748
SHUBBER	(TTEPAKE!)	1303	NA	2.RC-HS	-	REPLACED	- depthy or season	FUNCTIONAL TEST GROUPA	10668
SUUBBBR	ITTSPINNELL	1525	NA	2.8C.HES	90	<b>PEPLACEDYAU</b>		FULLCTIONAL	10687
SUITERER	more agreement more august my contract of	1148	NA	2. RC. HSS	85	PEPLACED	NO	etts per b.	0748
IN KIRES	The second second second second	1129	NA	2.84 755	THE REAL PROPERTY.	DE PLACEMENT	NO	SEAL	107496
THURBER	Commence of the Commence of th	1136	NA	2.RC: H55	89	REPLACED	-cohopyroppinestal	FUNCTIONAL	1068
TUBBER	MERINDEN	1343	NA	2-86-455	89	REPLACEMEN	NO	FULL TIONAL TEST GROUPA	10669
SUIPPEP	and of the last of	1661	NA	620 25	89	BERMEN	No	FUNCTIONAL TEST GROUP A	106690
RINGREE	MENNAEN	1686	NA	2625: 225	90	DEPLACEMENT		FUNICTIONAL TEST GROUP A	106690

Plant 1 DRTL	INIA POWI Name INION BLV Address ANNA PO	DIGLENN, WER ST	P. TION F. TIEN NA.	Sheeto	rf		
	Name HOZ MINB Address			MMP.P.US	5.1.5		2.PT
PO Box	VIRGINIA 102 MINE Address stem SAFET	PALIV	A 23117	Type Code Symbol Authorization No Expiration Date	Stamp	2/4	
(a) Applicable Con (b) Applicable Edit	struction Code Silicon of Section XI Utilion	3 1 19 ized for Repairs	69 Edition, or Replacement	19202200	dda ida, Z	8,81,83(è	Code Se
			National			Repaired, Replaced,	ASME Code Stamped (Yes
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	or Replacement	
		Serial No.					
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)

recorded at the top of this form.

tion 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

	Applicable Menufacturer's Data Reports to be ettached
	CERTIFICATE OF COMPLIANCE
We certify that the statements ma ASME Code, Section XI.	ade in the report are correct and this <u>PEPLACEMEN</u> conforms to the rules of the repair or replacement
Type Code Symuol Stamp	Α
Certificate of Authorization No.	Expiration Date NA
Signed Owner or Owner's Designee, Title	Onte 10-26 19 90
	CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission Province of 111661899 ar	on issued by the National Board of Boller and Pressure Vessel Inspectors and the State and employed by Hels there States Bodes FFE Co. o
in this Owner's Report during the owind and the best of my knowledge and belief, the	have inspected the components described 26 oct 1880 to 26 oct 1990, and state the cowner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requi By signing this certificate neither the in	irements of the ASME Gode, Section X1. Aspector nor his employer makes any warranty, expressed or implied, concerning th
examinations and corrective measures desc	cribed in this Owner's Report. Furthermore, neither the Inspector nor his employed nal injury or property damage or a loss of any kind arising from or connected with this
William Effer	La complesions US 5-58
napector's Signature	Commissions National Board, State, Province, and Endorsements

	NA ELECTRIC &			Date		70			
SOOD DOMIN	HON BLVD. 6	ion Alien, l	A 23060	Sheetc	of				
Man NORTH	ANNA POWER	STATION		UnitZ					
	402, MINERAL		23117	DCP {	7-4	7-2			
							etc.		
Work Performed b	y FLUOR DA	Name		Type Code Symbol Stamp N/A					
DANIEL RY	DG. GREENVILLE	5.0. 796	5 1	Authorization No Expiration Date			-		
The Albert Manager	Address	and the street of the state of	We considerate the same	Capitalian Date		terminati san makini katiku m			
Identification of S	ystem CHEMICA	L AND VOL	UME CON	TEOL SYSTE	M				
Name of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced,	ASM Code Stamp (Yes		
Component	Manufacturer	Serial No.	No.	Identification	Built	or Repleasment	or No		
2" PIPE	FLUOR DANIEL	NIA	NIA	2"-CH- 897	1990	PEPLACEMENT	NO		
C TIFE	FLUOR DANIEL	NIA	NIA	2"- CH - 900- 1534- G3	1990	REPLACEMENT	NO		
	LEGION DUNIEL	A STATE OF THE PARTY OF THE PAR		-11		REPLACES	No		
2" PIPE	N/A	NIA	N/A	2"- CH- 897- 153A - Q3	NIA	57005 4NUTS			
2" PIPE	CONTRACTOR DESIGNATION OF THE PARTY OF THE P	N/A	N/A		N/A	STUDS & NUTS REPLACED STUDS & NUTS	NO		
2" PIPE 2" FLANGE	NIA			158A - Q3 Z'-CH- 900-	-	REPLACED	NO		
Z" FLANGE Z" FLANGE	N/A N/A	N/A		158A - Q3 Z'-CH- 900-	* ^	REPLACED	NO		

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

AND	2*- CH	- 900 - 153A	- 03 70		eta Reports to be F VALVES	Z-CH- 84	AND	Z - CH - E
RESP	ELTIVELY	AND REPL	ALED FAS	TENERS	ON ASSOC	ATED FLAN	CES	
		-						
				ATE OF COMP				
ASME	We certify Code, Section	that the statements ×1.	made in the repo	ort are correct s		eplacement	ns to the (	ules of the
Type C	ode Symbol Si	amp	NIA					
Certific	ete of Author	Zation No.	NIA		Expiration Date	N/A		
Signed	Owner 61 0	Wher's Designee, Ti	itle	Ĕng,	L Date Dec	5	, 11	90
			CERTIFICAT	E OF INSERVI	CE INSPECTION	,		
		lding e valid comm						nd the State
	Owner's Ren	ort during the perio	nd 24 Ju	10 1950	to 26	inspected the c	omponent	s described
to the l	best of my kn	owledge and belief,	, the Owner has	performed exa	minations and tal			
		rtificate neither the						
shall be inspecti		manner for any per	rsonal injury or p	roperty damage	e or a loss of any	kind arising from	or connect	ed with this
	willen	11.1		Commission	UA 5"S	-8-		
*	In	pector Signeture		, commission .	National Boar	d, State, Province,	end Endor	sements
	17 00	10	90					

5000 Dominian Black Colen Allen, VA 23060				Date October 79,1990				
	02 Mineral		117					
3. Work Performed by	Rittakunghause	Electric C	unf.	Type Code Symbo Authorization No. Expiration Date Z	N/A	10. No., Job No.,	eta.	
. Identification of St	venem Reactor	Coolont						
(b) Applicable Edi	nstruction Code & 3. tion of Section XI Uti omponents Repaired o	lized for Repairs		1983 583	Addends,Z	L, P. J. E. X. E. S. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Code Ca	
Name of Component	Name of Manufacturer	Manufecturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Pije	Southwest Fab	0287	NA	29"RC-404	1974	Repaired	No	
	Machinal flat t Romeducer.  Hydrustatic Prossure Nome	eumatic No	ominal Operation	g Pressure	hmest o	fultausoni	i lavo	

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

Remarks HOME Class !	
Applicable Manufacturer's Data Reports to be attached	
DR 90-1605 was written for material truce tillty discongress	a Backet
service for more for more for more for any accompany	1000.019
due used for PT exems. The final resolution to DR 90-160 implemented prior to the end of the next Unit #2 refuel scheduled for 1992. As Hamil 1-7-91	s will be
CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this Asper conforms to the ASME Code, Section XI.  CERTIFICATE OF COMPLIANCE  Conforms to the repair or replacement	rules of the
Type Code Symbol Stemp N/A	
Type Code Symbol Stamp	
Certificate/of Authorization 1/07 N/A Expiration Date N/A	
Signed Settlery Warse MER NSD MECHANICAL Date 11-2 Owner or Owner Delignee, Title PROJECTS	19.90
CERTIFICATE OF INSERVICE INSPECTION	
, the undersigned, holding a mild commission issued by the National Board of Boiler and Pressure Vessel Inspectors	and the State
or Province of Y I BO (B) and employed by H. S. B. J. + J. CO.	
In this Owner's Report during the period \$ 500T /90 to 500T /7 /290 , a	nts described
to the best of my knowledge and befief, the Owner has performed examinations and taken corrective measures de- Dwner's Report in accordance with the requirements of the ASME Code, Section XI.	scribed in this
	and the state of the
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, o examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor	
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or conne	
nspection.	
Inspector's Signature Commissions VA 5.58 National Board, State, Province, and End	lorsements
Date 9 Jan 1991	

#### APPENDIX C

ATTACHMENT 111 Page 134 of 135

	POSSE NP-1:DATA REPORT FOR MUCLEAR PFFING  (the Responsed by the Previous of the USAS B31.7 Code Rules)  SCUTHWEST FARRICATING & WELDING CO., INC.
	Mouston No. 9392-YCB
-	Whateless bucless Energy Systems,
a.	binomination for Pilkshipson and delivered Codes No. 546-085(16671-1
2	Come Virginia Flantric & Power CO. 4. Lecosies Minaral, Vivainia
2.	Submines Discovering Man College   Property by Southwest Feb. 6 Vella Co. Inc.
4	Business Considerations of Papers P. Sport Cod by Oleans of Co. & Rep.
7.	The Empire Compline with USAS B3L7 Chapter II. Class III IV. B31.78 (1971 Addamds)
	(a) December Specialisation on file at N/A.  (b) December Specialisation contributed by HOVELS S. JEDKLES PORT. PE-5042788  Prod. Sam. Supp.
	(c) Sumo Analysis Report on (the at
	Prof. Regt. Sune Reg. No.
8.	The blumminds comply with USAS B51.7, Chapter 1-III Chapter 3-III; Chapter 5-III (circle cae)
	Much No. L.P.S. Manufactor w Meterial Manufactures
	(a) Piping VGB-Loop 2-1 - 29" I.D. U.S. Pipe & Poundry Co. N/A
	2
	3
	(b) Picches
	Ditto 6" Sch. 160 Bors. on 29" 1D Bor. SPONCO N/A
	2. Ditto 3/4" Somm a Scoop Retring Products N/A
	S. Ditte 3/4" Semple Scoop Ketrine Products N/A
	(c) Picopon-
	2.
	68 Speedade Compressor
	THE PARTY OF THE P
70	b Bin Gallaffin and Businessian complies with LEAS RIL7, Chapman L-Y_and_1-Y12 2-V and 2-15-W and Bill? (about comp.
	(a) Number of speed pieces Number of Bust Velds
	(e) Cerebizare of Ausberisseise Ne. 529
¥	Fe excels the economerses of items Nov. 8 and 9 in this data report pe be correct.
D	Does 3-28-76 Signed Southwest Fab. & Weld. B Tanganan L. Kapan

Will branderd 630.3; Neelear From Prynag

ATTACHMENT III ' Page 135 of 135

FORM NF-1 (come)

		CERTIFICATE	OF SHOP INSPE	CTION		480
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Vers man, I bene	many time a world for the	A real of Commercial C	MI ISSUED DY THE	National Beard	46 6-1-	
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	g from or connected	Atte ture inches	LOO.	b. shamb #	e-margir c. a los	s of amy
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	THE RESERVED TO SERVE STREET, SANSON	THE RESIDENCE OF THE PARTY OF T		BALLET CONTRACTOR OF THE STATE	O Peril & Local Control Street of Control Control	
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(b) Fiel	ld Mydrosanie Test		eu i	CONTRACTOR OF STREET CO.	THE PERSON NAMED IN COLUMN 2 AND ADDRESS OF THE PERSON NAMED IN CO	CONTRACTOR DESCRIPTION
(c) Ces	efficate of Authoriza	stion No.	men han s			400
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By signing	this comiliance as	akaa ska i				pel
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