

**INSERVICE INSPECTION REPORT
INTERVAL 3, PERIOD 2, OUTAGE 1
(RO#17)**

SUMMARY REPORT

FOR

**H. B. ROBINSON NUCLEAR STATION (UNIT 2)
3581 WEST ENTRANCE ROAD
HARTSVILLE, SC 29501**

CAROLINA POWER & LIGHT COMPANY

Commercial Service Date 3-7-71

Report Completion Date 1-15-97

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner Carolina Power & Light Co., 411 Fayetteville St., P.O. Box 1551 Raleigh, NC 27602
(Name and Address of Owner)
2. Plant H.B. Robinson, 3581 West Entrance Rd, Hartsville, SC 29550
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 3/7/71 6. National Board Number for Unit N/A
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Boron Inj. Tank	Southern Fab.	0049	N/A	368
RHR Ht.Echanger A	Westinghouse	CPLCAHRS1	N/A	731
Seal Inj. Filt. #1	Westinghouse	CPLCHFLS11	N/A	929
Letdown Heat Exgr.	Westinghouse	CPLCHAHNR	N/A	685
Puls. Dampener A	Johnson Controls	M-0391	N/A	N/A
RHR Pump A	Ingersol Rand	0967-70	N/A	N/A
SI Pmp. Strainer B	Maintenance	S-100B	N/A	N/A
Piping	Ebasco Svcs.	N/A	N/A	N/A
Steam Generator A	Westinghouse	93732	N/A	N/A

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.

This Form (E00029) may be obtained from the ASME Order Dept., Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM NIS-1 (Back)

8. Examination Dates 9/7/96 to 10/20/96 9. Inspection Interval from 2/92 to 2/2002
10. Applicable Editions of Section XI 1986 Addenda N/A
11. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. SEE THE 1997 ISI SUMMARY REPORT (FILED UNDER TAB B OF THE ENTIRE REFUELING OUTAGE 17 ISI REPORT).
12. Abstract of Conditions Noted. SEE THE 1997 ISI SUMMARY REPORT
13. Abstract of Corrective Measures Recommended and Taken. SEE THE 1997 ISI SUMMARY REPORT.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

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

Date 1/15 19 97 Signed Carolina Power & Light Co. By Dominic H. Do
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by The Hartford Steam Boiler Insp. and Ins. Co. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96 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.

Charles J. [Signature] Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsement

Date 1/16 19 97

ABSTRACT

This report presents the results of the Inservice Inspection of the third interval, second period, first outage, for refuel outage number seventeen (RO#17), at the H. B. Robinson Unit 2 Nuclear Station. Examinations of piping welds, piping system components, bolting and component supports were conducted in accordance with ASME Section XI. Repair and replacement efforts included modification and maintenance component replacements. Pressure testing of ASME code systems and their components was performed in accordance with the requirements of ASME Section XI, IWA-5000, IWB-5000 and IWC-5000, and Code Case N416-1. No flaws which exceeded the acceptance criteria of ASME Section XI were detected during the inservice examinations of pressure retaining components. Reportable indications discovered during the visual examination of component supports were evaluated, repaired or replaced and returned to the original design configurations.

1.0 INTRODUCTION

This report contains a detailed item-by-item summary of examination results performed by Carolina Power and Light Company personnel since the last reporting of refueling sixteen through September 1996. The Third Interval, Second Period examination percentage requirements began in refueling seventeen and will be completed during refueling eighteen scheduled for the Spring of 1998. Examination reports, sketches and data sheets for the Class 1 and Class 2 System Component Inspections, Visual Examination Data, Examination Limitations, Consumable Testing Materials, Personnel Qualifications and Calibration Standard Design Criteria are retained by Carolina Power and Light Company. Information for the following categories in the full ISI report may be obtained through the Carolina Power and Light Company H. B. Robinson Plant Document Control Services.

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|------------------------|--------------------------------------|
| A. ISI Certification | E. Additional Examinations Performed |
| B. Summary | F. Indications |
| C. Examination Program | G. Certificates and Qualifications |
| D. Examination Results | H. Examination Procedures |

2.0 INSERVICE EXAMINATION EVALUATION

- 2.1 The Inservice Inspection of the seventeenth refueling outage at the H. B. Robinson Unit 2 Nuclear Station was conducted in accordance with the Program Plan derived from the Third Ten Year Inservice Inspection Plan. This plan meets ASME Section XI requirements as defined in the 1986 Edition and the H. B. Robinson Unit 2 Technical Specifications Section 4.2.

All Inservice Examinations performed were conducted by the use of site approved procedures and documented on procedural data reports. Each data report details the component or system examined, examination method employed, the procedure used to perform the test and all pertinent equipment settings or examination conditions. Recordable indications were documented and evaluated on the individual data reports. The reports are retained by the H. B. Robinson Nuclear Station as permanent records for retrieval and review for the life of the component. A summary of examinations, attached herein, contain listings of the examinations performed detailing the component identification, code category or code item number, examination area, work document, and other amplifying information.

- 2.2 Ultrasonic, Magnetic Particle, Liquid Penetrant and Visual Examinations revealed no flaw indications exceeding the acceptance criteria of ASME Section XI, 1986 Edition which apply to the H. B. Robinson Nuclear Station.
- 2.3 Visual Examinations which revealed indications requiring evaluation have been dispositioned, repaired or replaced and reinspected to insure those components have been returned to their design condition.
- 2.4 The results of examinations performed at the H. B. Robinson Nuclear Station during the seventeen inspection outage have been classified in one of the following manners:
- A. No Recordable Indications
 - B. Code Acceptable Indications
 - C. Indications Evaluated and Dispositioned

2.5 The NDE Summary Tables (Section C-2) itemize the components examined for the H. B. Robinson Unit 2 Nuclear Station during Refueling Outage Number 17, (Interval 3, Period 2, Outage 1). The following is a brief explanation of the type of information included in the NDE Summary coversheets.

- A. Item - Program Plan Number used to designate inspection items planned and performed for refuel seventeen.
- B. X-2500-1 - ASME Section XI IWX-2500 component category or component item number. Piping system designation or plant identification number of major components.
- C. Examination Area - Amplifying information about the performance of the examination.
- D,E,F NDE Type - The required non destructive examination listed from ASME Section XI, IWX-2500 tables.
- G. CAL. BLK. - Calibration Block used for ultrasonic examination.
- H. Sketch - Station drawing used to specify component location.

3.0 REPAIR AND REPLACEMENT PROGRAM

- 3.1 The H. B. Robinson Nuclear Station Repair and Replacement Program (Section C-3) for the period starting June 1995 through October 1996 underwent extensive review by the station organizations involved and the Authorized Nuclear Inservice Inspector (ANII). Work package information included within this summary report are those which have completed all required reviews, final engineering approval and the required "ANII" NIS-2 certification prior to the close of reporting period specified in ASME Section XI IWA-6230. The station has established October 20, 1996 as the document closing date for this reporting period.
- 3.2 Work evolutions performed during the seventeenth refueling outage whose document review, approval and certification process was not finalized by the established closing date shall be reported either by amendment to the original Refuel Seventeenth NIS-2 Summary or shall be included in the next summary report for refuel eighteen within the established guidelines of ASME Section XI, IWA-6230.
- 3.3 The enclosed repair and replacement summary and the attached ASME Section XI, NIS-2 forms detail the component, system, work document, component description and the description of work activity. Complete repair and replacement documentation for the specific component is maintained on site as permanent records and is retrievable through the work request/job order (WR/JO) document package.

4.0 AUGMENTED EXAMINATION PROGRAM

- 4.1 The Augmented Examination Program included in this summary documents the inspections performed to satisfy regulatory documents other than ASME Section XI. During this period, examinations were conducted in accordance with Commitment ID 92R0362 for the Feedwater Nozzles (Section C-4). These examinations and report documents are not subject to the interface and review by the Authorized Nuclear Inservice Inspector.

5.0 REFUEL 17 PRESSURE TEST SUMMARY

Pressure test inspections were performed in accordance with ASME Section XI, plant Technical Specifications and station procedure TMM-020 Inservice Inspection Pressure Testing. Also included within TMM-020 are the approaches to testing each code class system and their respective Engineering Surveillance Test procedures used in the conduct of the credited pressure tests. The table below lists the tests performed since the last summary report of Refuel Sixteen.

SYSTEM	DESCRIPTION	PROCEDURE
CCW	Component Cooling Water System in Containment	EST-076
RHR	Residual Heat Removal System	EST-080
SW	Service Water System in Containment	EST-081
RCS	Reactor Coolant System	EST-083
SI	Safety Injection System in Containment	EST-090
CVCS	Chemical & Volume Control System in Containment	EST-127
MS & FW	Main Steam & Feed Water Systems in Containment	EST-128
SI	Safety Injection Accumulators in Containment	EST-129

No deficiencies were noted for the above Engineering Surveillance Tests and all exceptions were addressed by the normal work request process and retained as permanent records, which may be obtained through the Carolina Power and Light Company H. B. Robinson Plant Document Control Services.

**INSERVICE INSPECTION REPORT
TAB C**

**REFUEL 17
INDEX OF EXAMINATIONS**

<u>SECTION</u>	<u>EXAMINATION ACTIVITY</u>
C-1	EDDY CURRENT SUMMARY
C-2	INSERVICE EXAMINATION SUMMARY INCLUDING BASELINE AND AUGMENTED EXAMINATIONS
C-3	REPAIR & REPLACEMENT PROGRAM SUMMARY
C-4	SI ACCUMULATOR NOZZLE INSPECTIONS

SECTION C-1

STEAM GENERATOR EDDY CURRENT EXAMINATION REFUEL 17 SUMMARY

This summary presents the examination program and results of the eddy current examination of the "A" Steam Generator during the H.B. Robinson Unit 2 RO 17 1996 outage. Detailed information concerning examination procedures, personnel and equipment used for the inspection may be obtained through the Carolina Power and Light Company H. B. Robinson Plant Document Control Services.

The eddy current examination included eddy current inspections utilizing the Zetec bobbin probes and MRPC probes and techniques qualified for detection or sizing based on EPRI qualified techniques.

Number and Extent of Tubes Inspected

The full-length bobbin probe examination was performed in steam generator "A" encompassing 100% (3214 tubes) of the open tubes (two tubes were previously plugged). The bobbin probe inspection utilized three different probe sizes. This represents examination of approximately one third of the total tube population in all three generators.

Location and Percent of Wall Thickness Penetration

Rotating Pancake coil (MRPC) examinations were performed on approximately 80% of the inlet (hot) side historic manufacturing buff marks (remaining sample from RO 15, 1993 inspection), any hot leg Buff Marks recorded during RO-17 and on suspect bobbin coil indications (diagnostics). MRPC was also performed on the hot leg dented intersections, 20% of the row 1 & 2 U-bends and a 40% random sample of the tube sheet expansion transitions.

Identification of Tubes Plugged

There were no pluggable tube indications reported for the 1996 inspection, however one loose part indication was mechanically plugged at 38% depth (Row 37 Column 73).

SECTION C-2

CAROLINA POWER & LIGHT COMPANY
H. B. Robinson Unit 2 Inservice Inspection
Interval 3, Period 2, Outage 1

Seventeenth Refueling Outage
Examination Program Summary

All items and areas listed below were examined as indicated in accordance with the requirements of the 1986 Edition of Section XI to the extent practical with the access provided and the limitations of component geometry.

<u>ITEM</u>	<u>X-2500-1</u>	<u>EXAMINATION AREA</u>	<u>UT</u>	<u>SURF</u>	<u>VT</u>	<u>CAL. BLK.</u>	<u>SKETCH</u>
1.	B15.10	R. V. PRESSURE BOUNDARY	--	--	EST-083	N/A	N/A
2.	B15.20	PRESSURIZER PRESSURE BOUNDARY	--	--	EST-083	N/A	N/A
3.	B15.30	STEAM GEN.'S PRESSURE BOUNDARY	--	--	EST-083	N/A	N/A
4.	B15.40	REGEN. HT. EXCHANGER PRESS. BOUNDARY	--	--	EST-083	N/A	N/A
5.	B15.50	PIPING PRESSURE BOUNDARY	--	--	EST-083	N/A	N/A
6.	B15.60	R. C. PUMPS PRESSURE BOUNDARY	--	--	EST-083	N/A	N/A
7.	B15.70	VALVES PRESSURE BOUNDARY	--	--	EST-083	N/A	N/A
8.	C1.10	CIRCUMFERENTIAL WELDS 1 & 2	SP-1092	--	--	CPL/47A	202
9.	C1.10	CIRCUMFERENTIAL WELDS 1 & 2	SP-1090	--	--	CPL/49	204
10.	C1.10	CIRC. SHELL WELDS 1 & 2 (FILTER #1)	NDEP-429	--	--	CPL/49	209
11.	C1.10	CIRCUMFERENTIAL SHELL WELDS 1 & 2	NDEP-432	--	--	CPL/43	211A
12.	C1.10	CIRC. SHELL WELD 1 (PULS. DAMP. A)	NDEP-429	--	--	CPL/36	238
13.	C2.21	NOZZLE TO HEAD WELDS 3 & 4	SP-1092	NDEP-201	--	CPL/47A	202
14.	C2.33	RHRHXA TELLTALE HOLES VT-2 on Welds 3&4	--	--	EST-080	N/A	204

15.	C2.33	RHRHX B TELLTALE HOLES VT-2 on Welds 3&4	--	--	EST-080	N/A	204
16.	C3.10	INTEGRAL ATTACHMENT WS-2	--	NDEP-201	--	N/A	202
17.	C3.10	RHRHXA INT. ATTACH. WS-2*, ^{Note 1}	--	NDEP-201	--	N/A	204
18.	C3.20	INTEGRAL ATTACHMENT I-WS, ^{Note 8}	--	--	--	N/A	220A
19.	C3.20	INTEGRAL ATTACHMENT I-WS	--	NDEP-201	--	N/A	221A
20.	C4.10	BOLTS 6 THROUGH 10	SP-1225	--	--	CPL/61 & 61A	202
21.	C5.11 & 12	CIRC. +2.5t LS WELDS 69 & 70	NDEP-429	NDEP-201	--	CPL/35	220A
22.	C5.11 & 12	CIRC. +2 5t LS WELD 175 & 178	NDEP-429	NDEP-201	--	CPL/33	221
23.	C5.21 & 22	CIRC. +2 5t LS WELD 7*, ^{Note 2}	--	--	--	CPL/22	240
24.	C5.21 & 22	CIRC. +2 5t LS WELD 19	NDEP-429	NDEP-201	--	CPL/23	240
25.	C5.21 & 22	CIRC. +2.5t LS WELDS 1, 2, 3, 4 & 55	NDEP-429	NDEP-201	--	CPL/24	241
26.	C5.30	SOCKET WELDS 7, 8, 9, 10	--	NDEP-201	--	N/A	244
27.	C5.51 & 52	CIRC.+2.5t LS WELD 17	NDEP-429	NDEP-301	--	CPL/56	213
28.	C5.51 & 52	CIRC. +2.5t LS WELD 22	NDEP-429	NDEP-301	--	CPL/48	213
29.	C5.51 & 52	CIRC.+2.5t LS WELD 15	NDEP-429	NDEP-301	--	CPL/54	216
30.	C5.81 & 82	BRANCH CONN.+2.5t LS WELD 21BC	--	NDEP-301	--	N/A	213
31.	C7.10	VESSEL PRESSURE TEST	--	--	See Summary	N/A	N/A
32.	C7.30	PIPING PRESSURE TEST	--	--	See Summary	N/A	N/A
33.	C7.50	PUMPS PRESSURE TEST	--	--	See Summary	N/A	N/A
34.	C7.70	VALVES PRESSURE TEST	--	--	See Summary	N/A	N/A
35.	D1.10	D-A PRESSURE TEST	--	--	See Summary	N/A	N/A

36.	D1.20	INTEGRAL ATTACHMENT WS-1 LTDNHX	--	--	NDEP-616	N/A	306
37.	D1.20	INTEGRAL ATTACHMENTS WS-A & WS-B	--	--	NDEP-616	N/A	309
38.	D1.20	INTEGRAL ATTACHMENTS WS-C & WS-D	--	--	NDEP-616	N/A	312
39.	D1.20-60	INT. ATTACHMENT WS-N, ^{Note 9}	--	--	--	N/A	325
40.	D1.20-60	INT. ATT. E1-WS. (WS-E, WS-F & WS-M ^{Note 9})	--	--	NDEP-616	N/A	326
41.	D1.20-60	INTEGRAL ATTACH. WS-J	--	--	NDEP-616	N/A	329
42.	D1.20-60	INTEGRAL ATTACH. WS-D	--	--	NDEP-616	N/A	332
43.	D1.20	INT. ATTACH. for B.A.XFR.PMP.A ^{Note 9}	--	--	NDEP-616	N/A	345
44.	D2.10	D-B PRESSURE TEST	--	--	See Summary	N/A	N/A
45.	D2.20	INTEGRAL ATTACH. A L.O. COOLER	--	--	NDEP-616	N/A	302
46.	D2.20-60	INTEGRAL ATTACH. B-WS ^{Note 9}	--	--	--	N/A	313
47.	D2.20-60	INTEGRAL ATTACH. WS-H	--	--	NDEP-616	N/A	331
48.	D2.20-60	INT.ATT. EE-WS, FF-WS, KK-WS ^{Note 9}	--	--	--	N/A	331A
49.	D2.20-60	INTEG. ATT. WS-I	--	--	NDEP-616	N/A	331B
50.	D2.20	INTEG. ATT. for 'B' BOOSTER PUMP	--	--	NDEP-616	N/A	336
51.	D2.20	INT. ATT. For A SI PMP SEAL CLR B ^{Note 9}	--	--	--	N/A	338
52.	D3.10	D-C PRESSURE TEST	--	--	See Summary	N/A	N/A
53.	D3.20	INTEG. ATT. A-WS & B-WS for SFPC HTX	--	--	NDEP-616	N/A	305
54.	D3.20-60	INTEGRAL ATTACHMENT H-WS & O-WS ^{Note 10}	--	--	NDEP-616	N/A	330
55.	F-B ITEM	BI TANK SUPPORT & INT. ATTACH.WS-2	--	--	NDEP-616	N/A	202

56.	F-B ITEM	SUPPT. & INT. ATTACH. WS-2 RHRHXA	--	--	NDEP-616	N/A	204
57.	F-B ITEM	SUPPORT WS-2 (FILTER #1)	--	--	NDEP-616	N/A	209
58.	F-B ITEM	SUPPORT WS-1	--	--	NDEP-616	N/A	211A
59.	F-C ITEM	SUPPORTS J, K, K1, L&N	--	--	NDEP-616	N/A	218
60.	F-C ITEM	SUPPORTS D&E	--	--	NDEP-616	N/A	220
61.	F-C ITEM	SUPPORTS H, I & S	--	--	NDEP-616	N/A	220A
62.	F-C ITEM	SUPPORTS DD	--	--	NDEP-616	N/A	221
63.	F-C ITEM	SUPPORTS J, Y1 & Z & INT. ATT. H-WS & I-WS	--	--	NDEP-616	N/A	221A
64.	F-C ITEM	SUPPORTS E3, E4 & E5	--	--	NDEP-616	N/A	221B
65.	F-C ITEM	SUPPORTS D ^{Note 11}	--	--	NDEP-616	N/A	222
66.	F-C ITEM	SUPPORTS H & I	--	--	NDEP-616	N/A	222A
67.	F-C ITEM	SUPPORTS E, F & G	--	--	NDEP-616	N/A	222B
68.	F-C ITEM	SUPPORTS D & F	--	--	NDEP-616	N/A	230
69.	F-C ITEM	SUPPORTS A & D	--	--	NDEP-616	N/A	231
70.	F-C ITEM	SUPPORTS K, L, M, N, O, P, Q & R	--	--	NDEP-616	N/A	232
71.	F-C ITEM	SUPPORTS F, F2, H & I ^{Note 12}	--	--	NDEP-616	N/A	233
72.	F-C ITEM	SUPPORTS & INT. ATT. D-WS, F-WS & G-WS	--	--	NDEP-616	N/A	234
73.	F-C ITEM	SUPPORTS K, L, M & Q	--	--	NDEP-616	N/A	234A
74.	F-C ITEM	SUPPORTS J, K, L, M, N, O, P, Q & R	--	--	NDEP-616	N/A	239
75.	F-C ITEM	SUPPORTS, I, J, K, L, M, N, O & P	--	--	NDEP-616	N/A	241
76.	F-C ITEM	SUPPORTS C & D	--	--	NDEP-616	N/A	242

77.	F-C ITEM	SUPPORT D only. SUPPORT C ^{Note 13}	--	--	NDEP-616	N/A	244
78.	F-B ITEM	SUPPORT for RHR PUMP A	--	--	NDEP-616	N/A	224
79.	F-B ITEM	SUPPORT & INT. ATT. for 'A' EDG L.O. CLR	--	--	NDEP-616	N/A	302
80.	F-A ITEM	SUPPORT & INT. ATTACH. WS-1 & WS-2	--	--	NDEP-616	N/A	305
81.	F-A ITEM	SUPPORT & INT. ATTACH. A-WS-1	--	--	NDEP-616	N/A	306
82.	F-A ITEM	SUPPORTS & INT. ATTACH. WS-A & WS-B	--	--	NDEP-616	N/A	309
83.	F-B ITEM	SUPPORTS C & D	--	--	NDEP-616	N/A	312
84.	F-C ITEM	SUPPORT B, G & E	--	--	NDEP-616	N/A	313
85.	F-C ITEM	SUPPORTS C, D & E	--	--	NDEP-616	N/A	314
86.	F-C ITEM	SUPPORTS C, F & G	--	--	NDEP-616	N/A	315
87.	F-C ITEM	SUPPORT X* ^{Note 3}	--	--	NDEP-616	N/A	322
88.	F-C ITEM	SUPPORTS, D, E, EI, F, G & H* ^{Note 4}	--	--	NDEP-616	N/A	323
89.	F-C ITEM	SUPPORTS, W, Z, AA & BB	--	--	NDEP-616	N/A	324D
90.	F-C ITEM	SUPPORTS JI, K, L, M, X, N, Z & AA	--	--	NDEP-616	N/A	325
91.	F-C ITEM	SUPPORTS E, F, M & H; INT. ATT. EI-WS	--	--	NDEP-616	N/A	326
92.	F-C ITEM	SUPPORTS D, E, F, G, H, I & S	--	--	NDEP-616	N/A	327
93.	F-C ITEM	SUPPORTS F* ^{Note 5} , G, H, I, J, GG, K, L & M	--	--	NDEP-616	N/A	328
94.	F-C ITEM	SUPPORTS F & C, INT. ATTACH. J-WS	--	--	NDEP-616	N/A	329
95.	F-C ITEM	SUPPORT D & INT. ATTACH H, K & O ^{Note 10}	--	--	NDEP-616	N/A	330
96.	F-C ITEM	SUPPORTS E, J; INT. ATT. WS-H ^{Note 14}	--	--	NDEP-616	N/A	331
97.	F-C ITEM	SUPPORTS S, R, Q, EE, FF, & KK	--	--	NDEP-616	N/A	331A

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98.	F-C ITEM	SUPPORTS G, H, J & K; INT. ATTACH. I-WS	--	--	NDEP-616	N/A	331B
99.	F-C ITEM	SUPPORT A & INTEGRAL ATT. D-WS	--	--	NDEP-616	N/A	332
100.	F-C ITEM	SUPPORTS E, F, & G ^{Note 15}	--	--	NDEP-616	N/A	334A
101.	F-C ITEM	SUPPORTS B & C	--	--	NDEP-616	N/A	334B
102.	F-B ITEM	SUPPORT & INT. ATTACH. B (SWBP B)	--	--	NDEP-616	N/A	336
103.	F-B ITEM	SUPPT. & INT. ATTACH. B (A SI COOLER B)	--	--	NDEP-616	N/A	338
104.	F-B ITEM	SUPPT. & INT. ATTACH. A (BAXFR PUMP A)	--	--	NDEP-616	N/A	345

AUGMENTED EXAMINATIONS (Items 105 & 106)

105.	N/A	FEEDWATER NOZZLES TO REDUCERS TO ELBOWS INCLUDING BASE METAL ON LOOPS A, B, & C	NDEP-429	--	--	CPL/54 & CPL/57	215 216 & 217
106.	N/A	SI ACCUMULATOR NOZZLES* ^{See Note 6}	N/A	--	--	N/A	N/A

RCP FLYWHEELS (Item 107)

107.	T. S.	U. T. PUMPS A, B & C FLYWHEELS P. T. BORES IF DISASSEMBLED* ^{See Note 7}	N/A	--	--	N/A	144
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SI STRAINER B (Item 108)

108.	C5.11	SI STRAINER B WELDS 32 & 33	NDEP-429	NDEP-201	--	CPLBNP-121B	240
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NOTES

Deferral:

1. Item 17, RHR Heat Exchanger A Integral Attachment WS-2 is deferred to the defueled window of Refuel 18.
2. Item 23, UT examination will not be conducted on the socket weld connection. PT surface examination on CPL-240 Weld-7 will be included in Refuel Eighteen summary.
3. Item 87, Support is encased in fireproof Pyrocrete. Examination is deferred to RO-18.
4. Item 88, Deferred to RO-18. Except Support D, all 5 remaining supports are encased in fireproof Pyrocrete.
5. Item 93, Support F is deferred to RO-18 to allow the preparation of the hanger drawing.
6. Item 106, Augmented examination of SI Accumulators is deferred to RO-18 per the report listed in Tab D.
7. Item 107, H.B. Robinson Unit 2 has an NRC approved RO-17 exemption from examination of the RCP Flywheel.

Deletion/Removal:

8. Item 18, Integral Attachment is deleted per ESR 96-00702.
9. Items 39, 40, 43, 46, 48, 51 Deleted. Integral attachments do not exist per field verification with insulation removed.
10. Item 54,95, Support and Integral attachment C-WS was removed by MOD 1104.
11. Item 65, Support C was removed by MOD-1087.
12. Item 71, Supports F1 & G were abandoned in place per ESR 96-00478.
13. Item 77, Support C was abandoned in place per ESR 96-00502.
14. Item 96, Support G was found removed per ESR 96-00496. Support J was removed by MOD-1091.
15. Item 100, Support H was removed by MOD 1104.

SECTION C-3

CAROLINA POWER & LIGHT COMPANY
H. B. Robinson Unit 2 Inservice Inspection
Interval 3, Period 2, Outage 1
Seventeenth Refueling Outage

June 1995 through October 1996
Repair and Replacement Program Summary

<u>ITEM</u>	<u>Plant System</u>	<u>Work Document</u>	<u>Equipment Number</u>	<u>Description of Activity</u>
1.	CVCS	WR/JO 95-ALNU1	MOV-350	Cut valve out and replaced with new valve.
2.	CVCS	WR/JO 96-ADML1	Ch. Pmp. C	Replaced suction & discharge valves, guides, seats, tubing, & springs.
3.	CVCS	WR/JO 96-ADMM1	Ch. Pmp. C	Replaced plungers, rings, springs, follower gland, and gaskets.
4.	Service Water	WR/JO 96-ACEZ5	Piping	Replaced 2" SW piping upstream of SW-190 back to the 4"X2" reducer in the line
5.	CCW	WR/JO 96-AALJ1	Support	Replaced CCW Pump B Suction lower bearing plate support with thicker plate
6.	CCW	WR/JO 96-AALH1	Support	Replaced CCW Pump A discharge lower bearing plate support with thicker plate
7.	CCW	WR/JO 96-AALI1	Support	Replaced CCW Pump B discharge lower bearing plate support with thicker plate
8.	CVCS	WR/JO 95-AMDIT	Piping/CVC-375	Replaced piping and valve CVC-375 bonnet
9.	CVCS	WR/JO 95-AMDIJ	Piping	Replaced piping due to leakage
10.	CVCS	WR/JO 95-AMDID	CVC-348	Replaced valve CVC-348 due to leakage
11.	CVCS	WR/JO 95-AMDIX	Piping/CVC-336	Replaced piping and valve body due to leakage
12.	CVCS	WR/JO 96-ABFT1	Piping	Replaced piping due to leakage
13.	CVCS	WR/JO 95-AMDIQ	Piping/CVC-340	Replaced piping and valves due to leakage

14.	CVCS	WR/JO 95-AMDI7	Piping/CVC-334	Replaced piping and valves due to leakage
15.	CVCS	WR/JO 95-AMDI1	Piping/CVC-331/CVC-335	Replaced piping and valves due to leakage
16.	CVCS	WR/JO 95-AMDI A	Piping/CVC-379	Replaced piping and valves due to leakage
17.	CVCS	WR/JO 95-AMDIG	Piping	Replaced piping due to leakage
18.	CVCS	WR/JO 95-AMDI4	Piping/CVC-345/Hanger	Replaced piping, valves and hanger due to leakage
19.	CVCS	WR/JO 95-AIJB1	Ch. Pmp. C	Replaced plungers, rings, packing and stop valves
20.	CVCS	WR/JO 95-AIJR1	Ch. Pmp. B	Replaced plungers, rings, gaskets, and packing
21.	CVCS	WR/JO 95-AINC1	Ch. Pmp. B	Replaced suction and discharge valves, guides, seats, gaskets and springs
22.	CVCS	WR/JO 95-APKJ1	Ch. Pmp. C	Replaced suction and discharge valves & guides, plungers, rings, springs & pins
23.	CCW	WR/JO 96-AEIA1	Support	Installed a new rod in support AC-4-78/1 per ESR 96-00571
24.	CVCS	WR/JO 95-AQCA1	Ch. Pmp. A	Replaced plungers, rings, packing and gaskets
25.	CVCS	WR/JO 96-AABD1	Ch. Pmp. A	Replaced suction and discharge valves, guides, seats and springs
26.	CVCS	WR/JO 96-ACLI1	Ch. Pmp. B	Replaced plungers, rings, pins, gaskets and packing
27.	Feedwater	WR/JO 95-AMQU1	FCV-488	Replaced body studs
28.	CVCS	WR/JO 96-ABWN1	Ch. Pmp. B	Replaced plungers, rings, pins and gaskets
29.	CVCS	WR/JO 96-ABWS1	Ch. Pmp. A	Replaced rings, springs, gland follower, packing and gaskets
30.	RHR	WR/JO 96-AEAZ1	Hanger	Added lock nut to hanger rod as required
31.	Spent Fuel Cooling	WR/JO 96-ACJL3	SFPC Pmp. B	Wear marks ground out of pump casing
32.	Containment Vacuum Breaker System	WR/JO 96-ABJD1	V12-12	Replaced 1 1/2" manual ball valve

33.	CVCS	WR/JO 96-AAUP1	Piping	Pipe above CVC-379A replaced due to cracks and pin holes
34.	HVAC/SW	WR/JO 95-AQC11	Piping	Replaced pipe flanges to and from HVH-8A due to leakage
35.	CVCS	WR/JO 94-ASEN1	Support	Replaced U-Bolt on floor mounted support due to corrosion
36.	CVCS	WR/JO 95-ALZJ1	CVC-298B/Piping	Replaced piping and valve CVC-298B with new piping and valve
37.	Penetration Pressurization	ESR 9400731, WR/JO 94-AKLZ1 & AKMC1 & 95- APZB1	Sleeves, Supports	SW-4-38/5 Design changed by this mod, and sleeves modified due to MIC
38.	Feedwater	WR/JO 95-AMQT1	FCV-478	Replaced body studs
39.	Reactor Coolant	WR/JO 95-AMTN1	RC-551A	Replaced existing RC-551A with spare RC-551A safety valve
40.	Main Steam	WR/JO 95-AMRW1	SV1-3A	Replaced pins, valve body nozzle assembly and disc insert
41.	Reactor Coolant	WR/JO 95-AMTQ1	RC-551B	Replaced RC-551B with spare RC-551B safety valve
42.	CVCS	WR/JO 95-AFMM1, ESR 96-00011	MOV-350	Replaced A193 studs and nuts with B637 UNS N07718 material
43.	Reactor Coolant	WR/JO 95-AMTR1	RC-551C	Replaced existing RC-551C with spare RC-551C safety valve
44.	Reactor Coolant	WR/JO 95- AGKG1/ESR 95- 00870	RC-535	Replaced 3" valve stem assembly, sleeve and seat
45.	Reactor Coolant	WR/JO 95- AGKH1/ESR 95- 00870	RC-536	Replaced 3" valve stem assembly and sleeve
46.	Main Steam	WR/JO 95-ANIS1	SV1-2C	Replaced disc insert, & ball point spindle rod and pin
47.	CVCS	WR/JO 94-ARK11	CVC-277A/Piping	Replaced CVC-277A and piping due to leakage past the seat
48.	Spent Fuel Pit Cooling	WR/JO 95-ABGX1	SFPC H. X.	Replaced one stud and one nut on main flange

49.	CVCS	WR/JO 95-APYA1	Ch. Pmp. B	Replaced plungers, rings, pins, spring and gland follower and gasket
50.	Service Water	WR/JO 95-AIYW1 ESR 95-00738	Piping	Repaired a 3/16" diameter hole in pipe
51.	Main Steam	WR/JO 95-ANAQ1 & 2	SV1-4C	Replaced valve SV1-4C
52.	Reactor Coolant/CVCS	WR/JO 95-AHPA2	Piping	Cut piping and replaced with coupling (to facilitate RC Pump C activities)
53.	CVCS	WR/JO 96-ACPB1	LCV-460B	Replaced bonnet nuts and machined bonnet to accommodate thicker gasket
54.	SIS	WR/JO 94-ACSR1	SI-844B	Machined .008" from valve bonnet due to scratches in tongue area
55.	CVCS	WR/JO 95-AMAJ1 & CR 96-03121	CVC-277C/Piping	Replaced valve and piping
56.	Main Steam	WR/JO 95-APRL2	MS-261B	Replaced bonnet studs and nuts with new
57.	Service Water	WR/JO 96-ADQB1	Hanger	Added shims to pipe hanger
58.	Main Steam	WR/JO 95-ANCJ1	MS-263B	Replaced valve MS-263B with new valve
59.	Feedwater	WR/JO 96-AEAA1	Piping	Replaced pipe downstream of FCV-478 to block valve FW-7A
60.	Feedwater	WR/JO 96-AEAB1	Piping	Replaced pipe downstream of FCV-488 to block valve FW-7B
61.	Feedwater	WR/JO 96-ADXW1	Piping	Replaced pipe downstream of FCV-498 to block valve FW-7C
62.	Reactor Coolant	WR/JO 96-AEAM1 WR/JO 96-ALTE1	A RCP studs & seal bolts	Replaced 2 main flange studs with new studs & used one new nut. Also replaced 3 seal housing bolts.
63.	Reactor Coolant	DOC IR-ISI-57	A SG tube	Preventatively plugged 38% through-wall tube at row 37 column 73.
64.	Aux. Feedwater	WR/JO 96-ACDS1	L.O. HTX	Replaced outboard end bell on AFW Pump B L.O. Heat Exchanger

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

1. Owner: CAROLINA POWER & LIGHT COMPANY Date 12/13/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B.ROBINSON Unit HBR2
Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 95-ALNU1
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Authorization No. N/A
Same as 2.above. Expiration Date N/A
Address
4. Identification of System CVCS Class 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MOV-350	Ebasco	N/A	N/A	N/A	1971	Replaced	No
MOV-350	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Cut valve MOV-350 out and replaced with new valve.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure psi Test Temp. °F

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

9. Remarks See WR/JO 95-ALNU1 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A Certificate

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

Signed D. H. So ISI ENGINEER Date 12/16, 19 96
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Lopez Commissions NC #1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/17, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B.ROBINSON Unit HBR2
Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JO 96-ADML1
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CVCS Class 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Ch.Pmp.C	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Ch.Pmp.C	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced suction and discharge valves, guides, seats, tubing and springs.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
External leak check
Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 96-ADML1 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/AExpiration Date N/ASigned D. H. So ISI ENGINEER Date 12/9, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 10/21/95 to 10/20/96, 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 or 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.

Charles F. So
Inspector's Signature

Commissions

NC # 1073

National Board, State, Province, and Endorsements

Date 12/12, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JO 96-ADMM1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CVCS Class 2
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Ch.Pmp.C	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Ch.Pmp.C	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced plungers, rings, springs, follower gland, gaskets and packing.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 External leak check.
 Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JQ 96-ADMM1 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/AExpiration Date N/ASigned D. H. So ISI ENGINEERDate 10/9, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. So
Inspector's Signature

Commissions

NC # 1073

National Board, State, Province, and Endorsements

Date 12/12, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B. ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 96-ACE25
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Service Water Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced 2" SW piping upstream of SW-190 back to the 4"x2" reducer in the line
Prior to SW-188.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

9. Remarks See WR/J0 96-ACEZ5 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/11, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Jorgensen
Inspector's Signature

Commissions

NC # 1073
National Board, State, Province, and EndorsementsDate 12/12, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B. ROBINSON Unit HBR2
 Name
3581 West Entrance Rd; HARTSVILLE, SC 29550 WR/JO 96-AALJ1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CCW Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Support	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Support	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced CCW Pump B Suction lower bearing plate support with thicker plate.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☒ Pressure psi Test Temp. °F
 VT-3

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 96-AALJ1 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/11, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Stenger Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/11/, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JO 96-AALH1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Component Cooling Water Class 3
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Support	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Support	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced CCW Pump A discharge lower bearing plate support with thicker plate.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JD 96-AALH1 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/11, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. [Signature] Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/11, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 96-AAL11
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CCW Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Support	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Support	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced CCW Pump B discharge lower bearing plate support with thicker plate8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐Other ☒ Pressure psi Test Temp. °F
 VT-3

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 96-AAL11 turnover package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/11, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Stegall Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements
Date 12/11, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/25/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B. ROBINSON Unit HBR2
 Name
3581 West Entrance Rd; HARTSVILLE, SC 29550 WR/JO 95-AMDIT
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CVCS Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No
CVC-375	Ebasco	N/A	N/A	N/A	1971	Replaced	No
CVC-375	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced piping and valve CVC-375 bonnet.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-AMDIT turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D.H. So ISI ENGINEER Date 12/11, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Lange Jr.
Inspector's Signature

Commissions

NC # 1073

National Board, State, Province, and Endorsements

Date 12/11, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/25/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 95-AMDIJ
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CVCS Class 3
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced piping due to leakage.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/J0 95-AMDIJ turnover package.
Applicable Manufacturer's Data Reports to be attached
Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/11, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Lange Jr. Commissions NC #1073
Inspector's Signature National Board, State, Province, and Endorsements
Date 12/11, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/25/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B. ROBINSON Unit HBR2
Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JO 95-AMDID
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CVCS Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CVC-348	Ebasco	N/A	N/A	N/A	1971	Replaced	No
CVC-348	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced valve CVC-348 due to leakage.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JQ 95-AMDID turnover package.
Applicable Manufacturer's Data Reports to be attached
Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/11, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. [Signature] Commissions NC #1073
Inspector's Signature National Board, State, Province, and Endorsements
Date 12/11, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/25/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B.ROBINSON Unit HBR2
Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JO 95-AMDIX
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CVCS Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No
CVC-336	Ebasco	N/A	N/A	N/A	1971	Replaced	No
CVC-336	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work replaced piping and valve body due to leakage.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-AMDIX turnover package.
Applicable Manufacturer's Data Reports to be attached
Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/11, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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.

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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.

Charles F. Tracy Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/11, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B.ROBINSON Unit HBR2
Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JQ 96-ABFT1
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CVCS Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced piping due to leakage.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 96-ABFT1 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/11, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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.

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Charles F. George Jr.
Inspector's Signature

Commissions

NC # 1073

National Board, State, Province, and Endorsements

Date 12/11, 19 96

As Required by the Provisions of the ASME Code Section XI

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-AMDIQ turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/11, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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.

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Charles F. Lange Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/11, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B. ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 95-AMD17
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CVCS Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No
CVC-334	Ebasco	N/A	N/A	N/A	1971	Replaced	No
CVC-334	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced piping and valves due to leakage.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

9. Remarks See WR/JO 95-AMD17 turnover package.
Applicable Manufacturer's Data Reports to be attached
Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/11, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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.

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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.

Charles F. So Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements
Date 12/11, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B. ROBINSON Unit HBR2
 Name
3581 West Entrance Rd; HARTSVILLE, SC 29550 HR/JO 95-AMD11
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CVCS Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No
CVC-331	Ebasco	N/A	N/A	N/A	1971	Replaced	No
CVC-331	Maintenance	N/A	N/A	N/A	1996	Replacement	No
CVC-335	Ebasco	N/A	N/A	N/A	1971	Replaced	No
CVC-335	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced piping and valves due to leakage.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☐ Pressure psi Test Temp. °F

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

9. Remarks See WR/JO 95-AMD11 turnover package.
Applicable Manufacturer's Data Reports to be attached
Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/11, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. George Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements
Date 12/11, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JO 95-AMDIA
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CVCS Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No
CVC-379	Ebasco	N/A	N/A	N/A	1971	Replaced	No
CVC-379	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced piping and valves due to leakage.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/J0 95-AMDIA turnover package.
Applicable Manufacturer's Data Reports to be attached
Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/11, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. [Signature] Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements
Date 12/11, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B. ROBINSON Unit HBR2
Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JO 95-AMDIG
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CVCS Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced piping due to leakage.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-AMDIG turnover package.
Applicable Manufacturer's Data Reports to be attached
Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/11, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Loege Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/11, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JO 95-AMD14
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CVCS Class 3
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No
CVC-345	Ebasco	N/A	N/A	N/A	1971	Replaced	No
CVC-345	Maintenance	N/A	N/A	N/A	1996	Replacement	No
Hanger	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Hanger	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced piping, valves and hanger due to leakage.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/J0 95-AMD14 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/11, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. George Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/11, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/20/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B. ROBINSON Unit HBR2
Name
3581 West Entrance Rd; HARTSVILLE, SC 29550 WR/JO 95-A1JB1
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CVCS Class 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Ch.Pmp.C	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Ch.Pmp.C	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced plungers, rings, packing and stop valves.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
External leak check
Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-A1JB1 turnover package.
Applicable Manufacturer's Data Reports to be attached
- _____
- _____
- _____

CERTIFICATE OF COMPLIANCE			
We certify that the statements made in the report are correct and this <u>replacement</u> repair or replacement			
conforms to the rules of the ASME Code, Section XI.			
Type Code Symbol Stamp	<u>N/A</u>		
Certificate of Authorization No.	<u>N/A</u>	Expiration Date	<u>N/A</u>
Signed	<u>D. H. So</u>	ISI ENGINEER	Date <u>12/7</u> , 19 <u>96</u>
Owner or Owner's Designee, Title			

CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>NORTH CAROLINA</u> and employed by <u>THE HARTFORD STEAM BOILER INSP. & INS. CO.</u> of <u>HARTFORD, CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>6/21/95</u> to <u>10/20/96</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
Inspector's Signature <u>Charles F. Sturge</u>	Commissions <u>NC # 1073</u> National Board, State, Province, and Endorsements
Date <u>12/12</u> , 19 <u>96</u>	

As Required by the Provisions of the ASME Code Section XI

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-AIJR1 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/AExpiration Date N/ASigned D.H. So ISI ENGINEER Date 12/7, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. [Signature] Commissions NC #1073
Inspector's Signature National Board, State, Province, and Endorsements
Date 12/12, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/20/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 95-AINC1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CVCS Class 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Ch.Pmp.B	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Ch.Pmp.B	Maintenance	N/A	N/A	N/A	1995	Replacement	No

7. Description of Work Replaced suction and discharge valves, guides, seats, gaskets and springs.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 External leak check
 Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

9. Remarks See WR/JO 95-AINC1 turnover package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. S. ISI ENGINEER Date 12/7, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Jorgensen Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/12, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd; HARTSVILLE, SC 29550 WR/JO 95-APKJ1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CVCS Class 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Ch.Pmp.C	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Ch.Pmp.C	Maintenance	N/A	N/A	N/A	1995	Replacement	No

7. Description of Work Replaced suction and discharge valves & guides, plungers, rings, springs & pins.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 External leak check
 Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-APKJ1 turnover package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D.H. So ISI ENGINEER Date 12/7, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Lange Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/12, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/25/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B.ROBINSON Unit HBR2
Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 96-AEIA1 ESR 96-00571
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CCW Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Support	Ebasco	N/A	N/A	AC-4-78/1	1971	Replaced	No
Support	Maintenance	N/A	N/A	AC-4-78/1	1996	Replacement	No

7. Description of Work Installed a new rod in support AC-4-78/1 per ESR-96-00571.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure ☐ psi Test Temp. ☐ °F
VT-3

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 96-AEIA1 turnover package and ESR 96-00571.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/11, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Long Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/12, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B.ROBINSON Unit HBR2
Name
3581 West Entrance Rd; HARTSVILLE, SC 29550 WR/JO 95-AQCA1
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CVCS Class 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Ch.Pmp.A	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Ch.Pmp.A	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced plungers, rings, packing and gaskets.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
External leak check
Other ☐ Pressure. psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks See WR/J0 95-AQCA1 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/AExpiration Date N/ASigned D. H. So ISI ENGINEERDate 12/9, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Jorgensen
Inspector's Signature

Commissions

NC #1073

National Board, State, Province, and Endorsements

Date

12/12

19

96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B. ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 96-AABD1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CVCS Class 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Ch.Pmp.A	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Ch.Pmp.A	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced suction and discharge valves, guides, seats and springs.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure ☐ psi Test Temp. ☐ F External leak check ☐

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 96-AABD1 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/9, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Lange Jr. Commissions NC #1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/12, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B.ROBINSON Unit HBR2
Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 96-ACLI1
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CVCS Class 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Ch.Pmp.B	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Ch.Pmp.B	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced plungers, rings, pins, gaskets and packing.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
External leak check
Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

9. Remarks See WR/JO 96-ACLI1 turnover package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/9, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Seigel Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements
Date 12/12, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd; HARTSVILLE, SC 29550 WR/JO 95-AMQU1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Feedwater Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
FCV-488	Ebasco	N/A	N/A	N/A	1971	Replaced	No
FCV-488	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced Body Studs.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 External leak check
 Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-AMQU1 turnover package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/9, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Lange Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/12, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B.ROBINSON Unit HBR2
Name
3581 West Entrance Rd; HARTSVILLE, SC 29550 WR/JO 96-ABWN1
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CVCS Class 2
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Ch.Pmp.B	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Ch.Pmp.B	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced plungers, rings, pins and gaskets.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
External leak check
Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

9. Remarks See WR/JO 96-ABWN1 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/9, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Lange Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/12, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 96-ABWS1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CVCS Class 2
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Ch.Pmp.A	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Ch.Pmp.A	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced rings, springs, gland follower, packing and gaskets.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 External Leak check
 Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

9. Remarks See WR/JO 96-ABWS1 turnover package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/9, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Jorgensen Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/12, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B.ROBINSON Unit HBR2
Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 96-AEAZ1
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System RHR Class 2
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hanger	Ebasco	N/A	N/A	Lock Nut	1971	Replaced	No
Hanger	Maintenance	N/A	N/A	Lock Nut	1996	Replacement	No

7. Description of Work Added lock nut to hanger rod as required.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure ☐ psi Test Temp. ☐ °F
VT-3

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

9. Remarks See WR/JO 96-AFAZ1 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference action item #22 for ESR 95-01079.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D.H. So ISI ENGINEER Date 12/11, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Angel Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/12, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B. ROBINSON Unit HBR2
Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 96-ACJL3
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Spent Fuel Cooling Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SFPCmp.B	Ebasco	N/A	N/A	N/A	1971	Repaired	No

7. Description of Work Wear marks ground out of pump casing
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
External leak check
Other ☒ Pressure psi Test Temp. °F
P.T.

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 96-ACJL3 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this repair
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/11, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Stengel Jr.
Inspector's Signature

Commissions NC # 1073
National Board, State, Province, and Endorsements

Date 12/12, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B. ROBINSON Unit HBR2
Name
3581 West Entrance Rd; HARTSVILLE, SC 29550 WR/JD 96-ABJD1
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Containment vacuum breaker system Class 2
5. (a). Applicable Construction Code B31.1 19 67-Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
V12-12	Ebasco	N/A	N/A	N/A	1971	Replaced	No
V12-12	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced 1 1/2" manual ball valve.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
External leak check
Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 96-ABJD1 turnover package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/9, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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.

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Charles F. Jorgensen Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements
Date 12/12, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd; HARTSVILLE, SC 29550 WR/JD 96-AAUP1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CVCS Class 3
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Pipe above CVC-379A replaced due to cracks and pin holes.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JD 96-AAUP1 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/11, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report.

Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Charles F. [Signature] Commissions NC # 1073
National Board, State, Province, and EndorsementsDate 12/12, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 95-AQC11
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System HVAC/SW Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced pipe flanges to and from HVH-8A due to leakage.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure ☐ psi Test Temp. ☐ F

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

9. Remarks See WR/JO 95-AQC11 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/11, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. J. [Signature] Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/12, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 12/4/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 HR/JO 94-ASEN1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
 Authorization No. N/A
Same as 2. Above. Expiration Date N/A
 Address
4. Identification of System CVCS Class 3
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Support	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Support	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced U-Bolt on floor mounted support due to corrosion.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure ☐ psi Test Temp. ☐ °F
 VT-1

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FORM NIS-2 (Back)

9. Remarks See WR/JO 94-ASEN1 Turnover package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A Certificate

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

Signed D. H. So ISI ENGINEER Date 12/12, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Jorgensen Commissions NC #1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/13, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/20/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B. ROBINSON Unit HBR2
Name
3581 West Entrance Rd; HARTSVILLE, SC 29550 WR/JO 95-ALZJ1
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. Above Authorization No. N/A
Address Expiration Date N/A

4. Identification of System CVCS Class 1
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CVC-298B	Ebasco	N/A	N/A	N/A	1971	Replaced	No
CVC-298B	Maintenance	N/A	N/A	N/A	1996	Replacement	No
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced piping and valve cvc-298B with new piping and valve.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure >2235 psi Test Temp. >500 °F

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

9. Remarks See WR/JQ 95-ALZJ1 Turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. Se ISI ENGINEER Date 12/7, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Se
Inspector's Signature

Commissions

NC # 1073

National Board, State, Province, and Endorsements

Date 12/13, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 12/3/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B. ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 Address
ESR 94-00731, WR/JO 94-AKLZ1 & AKMC1 & 95-AP2B1 Repair Organization PO NO., Job No., etc.
3. Work Performed by Maintenance/Becon Type Code Symbol Stamp N/A
 Name
P.O. Box 2166, Houston, TX. 77252-2166 Address
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System Penetration Pressurization Class 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Sleeves	Ebasco	N/A	N/A	Sleeves1,3,5&7	1971	Replaced	No
Sleeves	Becon/Maint.	N/A	N/A	Sleeves1,3,5&7	1996	Replacement	No
Supports	Ebasco	N/A	N/A	SW-4-38/5	1971	Replaced	No
Supports	Becon/Maint.	N/A	N/A	SW-4-38/5	1996	Replacement	No

7. Description of Work SW-4-38/5 Design changed by this mod. and sleeves modified due to MIC.
SW-4-25/6 and SW-4-39/5 removed and reinstalled per original design.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ External leak checks.
 Other ☒ Pressure _____ psi Test Temp. _____ °F
 NDE

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FORM NIS-2 (Back)

9. Remarks See ESR 94-00731, WR/JO 94-AKLZ1 & AKMC1 & 95-APZB1 turnover packages.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/12, 1996
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 Inspectors or 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.

Charles F. Jager Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/13, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602
Address Sheet 1 of 1
2. Plant H.B.ROBINSON Unit HBR2
Name
3581 West Entrance Rd: HARTSVILLE, SC 29550
Address WR/JO 95-AMQT1
Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Feedwater Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
FCV-478	Ebasco	N/A	N/A	N/A	1971	Replaced	No
FCV-478	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced body studs.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure ☐ psi Test Temp. ☐ °F.
Seat Leakage Test

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FORM NIS-2 (Back)

9. Remarks SEE WR/JO 95-AMQT1 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/12, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. George Jr.
Inspector's Signature

Commissions

NC # 1073

National Board, State, Province, and Endorsements

Date 12/13, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/20/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B.ROBINSON Unit HBR2
Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JD 95-AMTN1
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Reactor Coolant Class 1
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RC-551A	Ebasco	N/A	N/A	N/A	1971	Replaced	No
RC-551A	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced existing RC-551A with spare RC-551A safety valve.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure >2235 psi Test Temp. >500 °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-AMTN1 Turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/AExpiration Date N/ASigned D. H. So ISI ENGINEER Date 12/11, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles Sturge Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/13, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 95-AMRW1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Main Steam Class 2
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SV1-3A	Ebasco	N/A	N/A	N/A	1971	Replaced	No
SV1-3A	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced pins, valve body nozzle assembly and disc insert.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-AMRW1 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/7, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles H. So Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements
Date 12/13, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/20/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B. ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 95-AMTQ1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Reactor Coolant Class 1
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RC-551B	Ebasco	N/A	N/A	N/A	1971	Replaced	No
RC-551B	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced RC-551B with spare RC-551B safety valve.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure >2235 psi Test Temp. >500 °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-AMTQ1 Turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/11, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Seeger Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/13, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/20/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B. ROBINSON Unit HBR2
Name
3581 West Entrance Rd; HARTSVILLE, SC 29550 WR/JO 95-AFMM1 ESR 96-00011
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CVCS Class 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MOV-350	Ebasco	N/A	N/A	N/A	1971	Replaced	No
MOV-350	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced A193 studs and nuts with B637 UNS N07718 Material.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-AFMM1 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/AExpiration Date N/ASigned D. H. So ISI ENGINEER Date 12/11, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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.

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Inspector's Signature

Commissions

NC # 1073

National Board, State, Province, and Endorsements

Date 12/13, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/20/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B. ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JD 95-AMTR1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Reactor Coolant Class 1
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RC-551C	Ebasco	N/A	N/A	N/A	1971	Replaced	No
RC-551C	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced existing RC-551C with spare RC-551C safety valve.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure >2235 psi Test Temp. >500 °F

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

9. Remarks See WR/J0 95-AMTR1 turnover package.
Applicable Manufacturer's Data Reports to be attached
Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/11, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Lange Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/13, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/20/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B. ROBINSON Unit HBR2
Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JQ 95-AGKG1 ESR 95-00870
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Reactor Coolant CLASS 1
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RC-535	Ebasco	N/A	N/A	N/A	1971	Replaced	No
RC-535	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced 3" valve stem assembly, sleeve and seat.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure >2235 psi Test Temp. >500 °F

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

9. Remarks See WR/JD 95-AGKG1 Turnover package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/7, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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.

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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.

Charles F. Large Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/13, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/20/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd; HARTSVILLE, SC 29550 WR/JO 95-AGKH1 ESR 95-00870
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Reactor Coolant Class 1
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RC-536	Ebasco	N/A	N/A	N/A	1971	Replaced	No
RC-536	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced 3" Valve stem assembly and sleeve.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure >2235 psi Test Temp. >500° F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-AGKH1 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/AExpiration Date N/ASigned D. H. So

ISI ENGINEER

Date 12/7, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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.

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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.

Charles F. Lange Jr.
Inspector's Signature

Commissions

NC #1073

National Board, State, Province, and Endorsements

Date

12/13

, 19

96

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

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602
Address
2. Plant H.B. ROBINSON Unit HBR2
Name
3581 West Entrance Rd; HARTSVILLE, SC 29550
Address WR/JQ 95-ANIS1
Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Main Steam Class 2
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SV1-2C	Ebasco	N/A	N/A	N/A	1971	Replaced	No
SV1-2C	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced disc insert, & ball point spindle rod and pin.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure ☐ psi Test Temp. ☐ External leak check ☐ F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-ANISI turnover package.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D. H. So ISI ENGINEER Date 12/7, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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.

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Charles F. Steeger Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements
Date 12/13, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/20/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B.ROBINSON Unit HBR2
Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JO 94-ARK11
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CVCS CLASS 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CVC-277A	Ebasco	N/A	N/A	N/A	1971	Replaced	No
CVC-277A	Maintenance	N/A	N/A	N/A	1995	Replacement	No
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1995	Replacement	No

7. Description of Work Replaced CVC-277A and piping due to leakage past the seat.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure ☐ psi Test Temp. ☐ F

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9. Remarks See WR/JO 94-ARK11 turnover package.
Applicable Manufacturer's Data Reports to be attached
Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D.H. So ISI ENGINEER Date 12/7, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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.

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Charles F. George Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/13, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B. ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JQ 95-ABGX1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A

4. Identification of System Spent fuel pit cooling Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SFPC H.X.	Ebasco	N/A	N/A	N/A	1971	Replaced	No
SFPC H.X.	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced one stud and one nuts on main flange.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 External leak check
 Other ☐ Pressure ☐ psi Test Temp. ☐ F

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

9. Remarks See WR/JQ 95-ABGX1 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/9, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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.

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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.

Charles F. Jaeger Jr. Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/13, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd; HARTSVILLE, SC 29550 WR/JO 95-APYA1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CVCS Class 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Ch.Pmp.B	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Ch.Pmp.B	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced plungers, rings, pins, spring and gland follower and gaskets.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 External leak check
 Other ☐ Pressure ☐ psi Test Temp. ☐ F

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

9. Remarks See WR/JO 95-APYA1 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/9, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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.

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Charles F. Lange Jr.
Inspector's Signature

Commissions

NC # 1073

National Board, State, Province, and Endorsements

Date 12/13, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 95-AIYW1 & ESR 95-00738
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Service Water Class 3
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Repaired	No

7. Description of Work Repaired a 3/16" diameter hole in pipe.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure ☐ psi Test Temp. ☐ F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-AIYW1 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this repair
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/AExpiration Date N/ASigned D. H. So ISI ENGINEER Date 12/12, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report.

Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.



Inspector's Signature

Commissions

NC #1073

National Board, State, Province, and Endorsements

Date 12/13, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JO 95-ANA91 & 2
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Main Steam CLASS 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SV1-4C	Ebasco	N/A	N/A	N/A	1971	Replaced	No
SV1-4C	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced valve SV1-4C.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure ☐ psi Test Temp. ☐ F

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

FORM NIS-2 (Back)

9. Remarks See WR/J0 95-ANAQ1 and 2 turnover packages.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. Seo ISI ENGINEER Date 12/7, 1996

Owner or Owner's Designee, Title _____

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Jorgensen Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/10, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 12/12/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JO 95-AHPA2
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2.above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Reactor Coolant/CVCS Class 2
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	2-CH-2501R-9A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	Coupling	1995	Replacement	No

7. Description of Work Cut piping and replaced with coupling.(To facilitate RC Pump C Activities.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 29 psi Test Temp. Ambient °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-AHPA2 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

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

Signed D. H. So ISI ENGINEER Date 12/12, 19 96
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.



Inspector's Signature

Commissions

NC# 1073

National Board, State, Province, and Endorsements

Date 12/16, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 12/13/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B.ROBINSON Unit HBR2
Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JO 96-ACPB1
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2.above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CVCS Class 1
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
LCV-460B	Ebasco	N/A	N/A	NUTS	1971	Replaced	No
LCV-460B	Maintenance	N/A	N/A	NUTS	1996	Replacement	No

7. Description of Work Replaced bonnet nuts and machined bonnet to accomodate thicker gasket.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure >2235 psi Test Temp. >500 °F

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

9. Remarks See WR/JO 96-ACPB1 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N-416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A Certificateof Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/16, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.



Inspector's Signature

Commissions

NC # 1073

National Board, State, Province, and Endorsements

Date 12/16, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 12/13/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JO 94-ACSR1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2.above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System SIS Class 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SI-844B	Maintenance	N/A	N/A	Bonnet	1971	Repaired	No

7. Description of Work Machined .008" from valve bonnet due to scratches in tongue area.8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☒ Pressure psi Test Temp. °F
 OST-356 & 352-2

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 94-ACSR1 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this repair
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A Certificate

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

Signed D. H. So ISI ENGINEER Date 12/16, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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.

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Charles F. So Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/16, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B.ROBINSON Unit HBR2
Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JO 95-AMA11 & CR 96-03121
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CVCS Class 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CVC-277C	Ebasco	N/A	N/A	N/A	1971	Replaced	No
CVC-277C	Maintenance	N/A	N/A	N/A	1996	Replacement	No
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced valve and piping.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure ☐ psi Test Temp. ☐ F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-AMAJ1 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D.H. So ISI ENGINEER Date 12/16, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Lange Jr. Commissions NC #1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/17, 1996

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 12/13/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 95-APR12
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2.above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Main Steam Class 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MS-261B	Ebasco	N/A	N/A	Studs & Nuts	1971	Replaced	No
MS-261B	Maintenance	N/A	N/A	Studs & Nuts	1995	Replacement	No

7. Description of Work Replaced Bonnet Studs & Nuts with new.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 System Leakage Check
 Other ☐ Pressure ☐ psi Test Temp. Ambient °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-APR12 turnover package.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

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

Signed D.H. So ISI ENGINEER Date 12/16, 19 96
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. Stiegel Commissions NC #1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/17, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 12/13/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/JO 96-ADQB1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Service Water Class 3
5. (a) Applicable Construction Code B31.1 19-67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hanger	Ebasco	N/A	N/A	SW-2-220	1971	Replaced	No
Hanger	Maintenance	N/A	N/A	SW-2-220	1996	Replacement	No

7. Description of Work Added shims to pipe hanger.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure ☐ psi Test Temp. ☐ F
 VT-3

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 96-ADQ81 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference ISI ISO CPL-313 HANGER G

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A Certificate

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

Signed D. H. S. ISI ENGINEER Date 12/16, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. [Signature]
Inspector's Signature

Commissions NC # 1073
National Board, State, Province, and Endorsements

Date 12/17, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 12/13/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JD 95-ANCJ1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2.above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Main Steam Class 2
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MS-263B	Ebasco	N/A	N/A	N/A	1971	Replaced	No
MS-263B	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced valve MS-263B with new valve.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☒ Pressure psi Test Temp. °F
 NDE

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 95-ANCJ1 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A Certificateof Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 12/16, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure
Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by
THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components
described in this Owner's Report during the period 6/21/95 to

10/20/96, 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 or 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.

Charles F. So
Inspector's Signature

Commissions

NC # 1073

National Board, State, Province, and Endorsements

Date 12/17, 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602
Address Sheet 1 of 1
2. Plant H.B. ROBINSON Unit HBR2
Name
3581 West Entrance Rd; HARTSVILLE, SC 29550
Address WR/JO 96-AEAA1
Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Feedwater Class 3
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced pipe downstream of FCV-478 to block valve FW-7A.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

9. Remarks See WR/JO 96-AEAA1 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed D.H. So ISI ENGINEER Date 1/9, 19 97

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles A. Long Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/9, 19 97

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
Address
2. Plant H.B. ROBINSON Unit HBR2
Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JD 96-AEAB1
Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
Name
Same as 2. above. Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Feedwater Class 3
5. (a) Applicable Construction Code B31.1 19 67-Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced piping between FCV-488 and FW-7B.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9: Remarks See WR/JO 96-AEAB1 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 1/9, 19 97

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. [Signature] Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements
Date 1/9, 19 97

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 11/21/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 WR/J0 96-ADKW1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Feedwater Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Ebasco	N/A	N/A	N/A	1971	Replaced	No
Piping	Maintenance	N/A	N/A	N/A	1996	Replacement	No

7. Description of Work Replaced piping between FCV-498 and FM-7C.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

9. Remarks See WR/JQ 96-ADXW1 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned D. H. So ISI ENGINEER Date 1/9, 19 97

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles H. So Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements
Date 1/9, 19 97

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 12/16/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 WR/JO 96-AEAM1 & 95-ALTE1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
 Authorization No. N/A
Same as 2. above. Expiration Date N/A
 Address
4. Identification of System Reactor Coolant Class 1
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RC PUMP A	Westinghouse	N/A	N/A	Studs	1971	Replaced	No
RC PUMP A	Maintenance	N/A	N/A	Studs	1996	Replacement	No
RC PUMP A	Westinghouse	N/A	N/A	No.1 Seal Bolt	1971	Replaced	No
RC PUMP A	Maintenance	N/A	N/A	No.1 Seal Bolt	1996	Replacement	No

7. Description of Work Replaced two main flange studs with new studs & one nut with new nut.
 Also replaced 3 Seal Housing Bolts.
8. Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X]
 Other [X] Pressure >2235 psi Test Temp. >500 °F
 NDE

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

FORM NIS-2 (Back)

9. Remarks See WR/JQ 96-AEAM1 & 95-ALTE1 turnover packages.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A Certificateof Authorization No. N/A Expiration Date N/ASigned D.H. So ISI ENGINEER Date 12/19, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. [Signature] Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/10, 19 97

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 12/10/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B.ROBINSON Unit HBR2
 Name
3581 West Entrance Rd. HARTSVILLE, SC 29550 DOCUMENT NO. IR-ISI-57
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. Above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Reactor Coolant Class 1
5. (a) Applicable Construction Code Sec. III 1980 Edition, W/80 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stm.Gen.A	Westinghouse	93732	N/A	RCPCSG01	1983	Repaired	Yes

7. Description of Work 38% through-wall tube at row 37 column 73 preventatively plugged.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure >2235 psi Test Temp. >500 °F

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

FORM NIS-2 (Back)

9. Remarks See DOCUMENT NO. IR-ISI-157 Section 1 Summary/Results.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this repair
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A Certificate

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

Signed D. H. So ISI ENGINEER Date 12/11, 19 96
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/30/96, 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.

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Charles F. [Signature] Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements
Date 1/9, 19 97

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

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 12/13/96
 Name
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet 1 of 1
 Address
2. Plant H.B. ROBINSON Unit HBR2
 Name
3581 West Entrance Rd: HARTSVILLE, SC 29550 HR/JD 96-ACDS1
 Address Repair Organization PO NO., Job No., etc
3. Work Performed by Maintenance Type Code Symbol Stamp N/A
 Name
Same as 2. above. Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System AFW Class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
LO-HTX	Ebasco	N/A	N/A	AFW-PMP-B	1971	Replaced	No
LO-HTX	Maintenance	N/A	N/A	AFW-PMP-B	1996	Replacement	No

7. Description of Work New outboard end bell installed on AFW Pump B Lube Oil Heat Exchanger.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

9. Remarks See WR/JO 96-ACDS1 turnover package.

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement
repair or replacement

conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A Certificateof Authorization No. N/A Expiration Date N/ASigned D.H. So ISI ENGINEER Date 1/9, 19 97

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by THE HARTFORD STEAM BOILER INSP. & INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/95 to 10/20/96, 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 or 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.

Charles F. [Signature] Commissions NC # 1073
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/14, 19 97

SECTION C-4

To: Dominic So

From: Charlie Griffin, NED - Chief Eng. Section

Date: November 1, 1996

Subject: Robinson Safety Injection Accumulator Nozzle Inspections

During RFO-13, ****axially**** oriented IGSCC was discovered in some of the stainless steel nozzles located on the Robinson SI Accumulators, necessitating replacement of those that were cracked (Reference RET-RNP-90-140, and EE No. 90-099). The most likely cause of the IGSCC was determined to have been the furnace sensitization of the Type 304 nozzles by the vessel fabricator (Delta Southern). Since there were several remaining nozzles that also appeared susceptible to the IGSCC (based on material Carbon content), Nuclear Engineering subsequently recommended implementation of an augmented inspection program for future examination of the remaining susceptible nozzles (Reference: NED Letter NED-R-5225). The proposed plan recommended that the remaining susceptible nozzles (11 total) be reinspected during RFO-14 and RFO-15 (liquid penetrant and ultrasonic testing) and, if no cracking was observed, the subsequent inspection frequency would be reduced to every other outage (i.e., RFO-17, RFO-19 ..., etc.) for two additional examinations.

Since no cracks were observed in the remaining nozzles during RFO-13, this proposed augmented inspection plan would not have been mandated by either Code or regulatory requirements. However, Nuclear Engineering used ASME Code Section XI reinspection criteria as guidance in establishing a frequency for the augmented reinspections (e.g., ASME Code Section XI criteria - 2 reinspections of a component after the initial inspection, if indications detected during initial examination warranting IWB-3600 analysis). Although ASME Code Section XI would have permitted reverting back to the original inspection frequency/schedule if no indication growth was observed in the components during the two reinspections, Nuclear Engineering chose to recommend continued reinspections of the SI Accumulator nozzles on a less frequent basis after the first two reinspections, since the nozzles were considered susceptible to future IGSCC.

As recommended within the NED letter (NED-R-5225), the susceptible nozzles were reinspected in RFO-14 and again in RFO-15 with no cracking observed. As noted above, if these reinspections had been originally mandated by ASME Code Section XI, the reinspection frequency could have reverted back to the original schedule after the successful completion of these RFO-14 and RFO-15 examinations. However, based on the Nuclear Engineering recommendations, the nozzles should have been again reinspected during RFO-17. As documented in CR-96-02864, it's now understood that an inspection of these nozzles was not conducted in RFO-17.

Like those that were found to be cracked in RFO-13, the remaining susceptible nozzles are socket weld end nozzles (i.e., adjoining pipe socket welded into the nozzle). As noted above, the observed cracking in the RFO-13 replaced nozzles was oriented axially (Longitudinal relative to the nozzle axis) and was contained completely within the nozzle (i.e., not propagated into the adjoining pipe). As noted in the original EER (EE No. 90-099), IGSCC has been shown by industry studies to typically arrest in weld metal, and therefore would not propagate through the adjoining pipe socket weld and into the pipe. Additionally, axially oriented cracking such as those observed in RFO-13 could not lead to a severance of the adjoining piping (e.g., guillotine break). As such, axial cracking of this type would be expected to "leak before break" in the ductile stainless steel nozzle materials. Based on the fact that the cracking within the RFO-13 replaced nozzles had only been observable with hydrotest and NDE techniques and, considering that the nozzles had been in the plant since original start-up, the IGSCC propagation would appear to have been very slow. With this under consideration, even if an axial crack was currently present within one of these remaining nozzles (none observed in RFO-13, 14, 15), its future propagation would likely be very slow and cracking propagation would be isolated to within the nozzle (i.e., would not propagate into the adjoining socket welded piping). Although leakage might occur through such a crack, catastrophic failure of the nozzle (e.g., guillotine break) and/or the adjoining pipe is not a plausible failure scenario.

Although nitrogen and/or borated water leakage could occur through axial cracks, such leakage would be detectable by water/nitrogen level monitoring equipment and would not be sufficient to prevent the accumulators from meeting their intended design function. Therefore, since the remaining susceptible nozzles were examined in RFO-13, RFO-14, and RFO-15 with no observed cracking, the failure to perform these examinations again during this past outage (RFO-17) should not be considered as a safety issue. The augmented examination is scheduled to be performed in RFO-18.

CG/cg

Enclosure 2

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
REPORT OF STEAM GENERATOR TUBE INSPECTIONS DURING REFUELING OUTAGE 17

A. Number and extent of tubes inspected

The full-length bobbin probe examination was performed in steam generator "A" encompassing 100% of the open tubes i.e., 3214 tubes total; two of which were previously plugged. A rotating probe program was also performed using random sample populations. See attached extract from the "Eddy Current Examination Report," September 1996, Document No. IR-ISI-157.

B. Location and percent of wall thickness penetration for each eddy current indication and any leaks

See attached extract from the "Eddy Current Examination Report," September 1996, Document No. IR-ISI-157. No leaking tubes have been identified.

C. Identification of tubes plugged

There were no pluggable tube indications reported for the 1996 inspection; however, one loose part damage indication was preventatively mechanically plugged at 38% depth. This tube is located in row 37, column 73.

WORK SCOPE

The examination program was conducted to meet all the necessary requirements of the Plant Technical Specifications. A examination was performed utilizing bobbin probe testing examining 100% of the open tubes in steam generator "A". Testing was performed from the inlet and outlet side of the steam generator

**SUMMARY of STEAM GENERATOR TUBING
EDDY CURRENT EXAMINATION
AND NUMBER OF INDICATIONS PER EXTENT TESTED**

No. Exams:	Extent:	<20%	20-39%	> = 40%	Probe:
1	1H	0	0	0	B720MRPC3C
8	1HFBH	0	0	0	B720MRPC3C
12	1HHTS	0	0	0	B720MRPC3C
1	2H+2	0	0	0	B720MRPC3C
28	2H1H	0	0	0	B720MRPC3C
2	3H1H	0	0	0	B720MRPC3C
22	3H2H	0	0	0	B720MRPC3C
2	3HHTS	0	0	0	B720MRPC3C
16	4H3H	0	0	0	B720MRPC3C
1	5H+2	0	0	0	B720MRPC3C
1	5H3H	0	0	0	B720MRPC3C
16	5H4H	0	0	0	B720MRPC3C
37	6C6H	0	0	0	B680MRPCPH
2	6H+2	0	0	0	B720MRPC3C
23	6H5H	0	0	0	B720MRPC3C
179	6HCTE	3	0	0	A680SFRM
3	6HCTE	0	0	0	A700SFRM
182	6HHTE	0	0	0	A720MULC
770	CTEHTE	2	4	0	A720MULC
4	CTS+4	0	0	0	B720MRPC3C
1	CTSCTE	0	0	0	B720MRPC3C
2	FBHHTS	0	0	0	B720MRPC3C
9	HTECTE	0	0	0	A680SFRM
272	HTECTE	2	0	0	A700SFRM
1979	HTECTE	7	10	0	A720MULC
1289	HTS+4	0	0	0	B720MRPC3C
TOTALS:		LT20	GE 20-40	GE 40	
4862		14	4	0	

The scan plan was provided by ABB/CE and included the following test areas

The initial scope of the eddy current inspection was as follows:

*	100% bobbin coil examination	3212 Tubes
*	Remaining 80% of the hot leg MBM's	84 Tubes
*	All hot leg dented intersections	5 Tubes
*	20% of the row 1 & 2 U-bends	37 Tubes
*	40% random sample hot leg TTS +4/-2"	1286 Tubes

Inspections added to the original scope included the following:

*	Hot leg MBM indications from RFO-17	38 Tubes
*	Cold leg unexpanded tubesheet	1 Tube
*	Hot leg Diagnostic Examinations	2 Tubes
*	Cold leg Diagnostic Examinations	4 Tubes

The initial scan plan and additional inspections were approved by CP&L.

Indications were reported in the <20% range, and ≥20 range in S/G "A". Buff mark indications were inspected with MRPC and confirmed as buff marks (CMR), or as not recordable indications (DMR). There were no flaw-type indications reported from the Buff Mark inspection program. No indications were reported at AVB intersections as was the case in 1995 in S/G "C".

There were several indications found in the periphery of the tube bundle on both the hot and cold leg side. These small volume indications are thought to be from a loose part on the secondary side which may have occurred before RFO-13. Any new indication over 30% through wall was further evaluated with MRPC. One indication was initially reported as 46% through-wall, but was dispositioned to be 38% after further evaluation with MRPC. This tube (Row 37 Col 73) was preventatively plugged by CP&L. *Aside from the peripheral tube indications near the top-of-tubesheet, no degradation was detected other than small indications and anomalies which were reported or present in previous inspections, and have not changed.*

The ABB/CE database of inspection results for H. B. Robinson does not currently include the 1984 baseline inspection or the 1986 inspection, therefore historic information from these outages are not included in the various printouts to follow.

This first two reports include a description after each tube:

Prev. Ind.	=	Historically present and confirmed
LPI 1996	=	Loose Part Indication found in 1996 data
LPI 1993	=	LPI found in 1996 and 1993
LPI 1992	=	LPI found in 1996 and 1992
LPI 1990	=	LPI found in 1996 and 1990

Owner: C P & L
 Plant: H. B. Robinson Unit 2
 Component: S/G A

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ALL GT 0% INDICATIONS

Row/Lin	Reel	Outage	Volts	Chan.	Ind. Desc.	Indication Location	Probe	Extent Tested	Comment
1	3	AC019	9609	0.7	1	16	CTS + 15.38	A680SFRM	6HCTE Prev. Ind.
1	4	AC019	9609	0.9	1	18	CTS + 15.35	A680SFRM	6HCTE Prev. Ind.
1	6	AC019	9609	0.8	1	15	CTS + 15.29	A680SFRM	6HCTE Prev. Ind.
3	38	AC023	9609	0.8	1	15	1H + 21.14	A700SFRM	HTECTE Prev. Ind.
4	76	AC024	9609	1.0	1	12	1C + 15.49	A700SFRM	HTECTE Prev. Ind.
7	3	AC005	9609	0.4	1	28	1C + 25.55	A720MULC	HTECTE Prev. Ind.
9	74	AH029	9609	0.8	1	39	2H + 44.83	A720MULC	CTEHTE Prev. Ind.
10	33	AC012	9609	1.1	1	9	2C + 4.32	A720MULC	HTECTE Prev. Ind.
11	91	AC028	9609	1.0	1	24	CTS + 0.47	A720MULC	HTECTE LPI 1996
12	51	AC018	9609	0.3	3	23	CTS + 6.29	A720MULC	HTECTE LPI 1993
17	56	AC026	9609	0.3	1	19	CTS + 4.03	A720MULC	HTECTE LPI 1990
		AC026	9609	0.3	1	30	CTS + 2.95	A720MULC	HTECTE LPI 1990
27	29	AC011	9609	0.8	1	18	3A + 5.89	A720MULC	HTECTE Prev. Ind.
34	38	AC013	9609	0.6	1	17	2H + 47.28	A720MULC	HTECTE Prev. Ind.
36	74	AH029	9609	0.2	P 1	37	HTS + 0.57	A720MULC	CTEHTE LPI 1996
37	20	AC008	9609	0.6	1	27	HTS + 0.60	A720MULC	HTECTE LPI 1996
37	73	AH029	9609	0.4	1	38	CTS + 0.75	A720MULC	CTEHTE LPI 1996
40	68	AH028	9609	1.1	1	25	HTS + 0.58	A720MULC	CTEHTE LPI 1996
42	63	AH026	9609	1.6	1	11	HTS + 0.65	A720MULC	CTEHTE LPI 1996
		AH026	9609	1.5	1	19	CTS + 0.69	A720MULC	CTEHTE LPI 1996
43	37	AC013	9609	0.2	1	21	CTS + 1.64	A720MULC	HTECTE LPI 1996
		AC013	9609	0.5	1	17	CTS + 0.55	A720MULC	HTECTE LPI 1996
44	36	AC013	9609	1.5	1	30	CTS + 0.55	A720MULC	HTECTE LPI 1996
44	47	AC016	9609	0.2	1	32	FBC + 1.56	A720MULC	HTECTE LPI 1992
44	54	AC026	9609	0.3	1	34	5C + 26.24	A720MULC	HTECTE Prev. Ind.
44	57	AC027	9609	0.8	1	16	HTS + 0.66	A720MULC	HTECTE LPI 1996
45	41	AC014	9609	0.8	1	34	CTS + 0.58	A720MULC	HTECTE LPI 1996
45	47	AC016	9609	0.9	1	10	CTS + 6.60	A720MULC	HTECTE LPI 1996

Number of Tubes: 25
 Number of Indications: 28

Owner: C P & L
Plant: H. B. Robinson Unit 2
Component: S/G A

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ALL GT 0% INDICATIONS

Row/Lin	Reel	Outage	Volts	Chan.	Ind. Desc.	Indication Location	Probe	Extent Tested	Comment
1 3	AH017	9309					A680SFRM	6C	
1 3	AH017	9609					B720MRPC3C	HTS+ 4	
1 3	AH024	9609					A720MULC	6HHTE	
1 3	AC019	9609	0.7	1	16	CTS + 15.38	A680SFRM	6HCTE	Prev. Ind.
1 3	AH001	9609					B680MRPCPH	6C6H	
1 4	AH13C02	9204					A680SFRM	6C HTE	
1 4	AC019	9609	0.9	1	18	CTS + 15.35	A680SFRM	6HCTE	Prev. Ind.
1 4	AH024	9609					A720MULC	6HHTE	
1 6	AH13C02	9204					A680SFRM	6C HTE	
1 6	AH001	9609					B680MRPCPH	6C6H	
1 6	AH024	9609					A720MULC	6HHTE	
1 6	AC019	9609	0.8	1	15	CTS + 15.29	A680SFRM	6HCTE	Prev. Ind.
3 38	AH12C01	9204	7.9	8	SLG	HTS + 0.61	A720MULC	CTEHTE	
3 38	AH12C01	9204	4.0	8	SLG	CTS + 1.56	A720MULC	CTEHTE	
3 38	AH12C01	9204	0.9	1	25	1H + 20.68	A700SFRM	CTEHTE	
3 38	AH015	9309	0.9	1	19	1H + 20.39	A700SFRM	CTE	Prev. Ind.
3 38	AH019	9609					B720MRPC3C	HTS+ 4	
3 38	AC023	9609	0.8	1	15	1H + 21.14	A700SFRM	HTECTE	Prev. Ind.
4 76	AH12C01	9204					A700SFRM	CTEHTE	
4 76	AH018	9609					B720MRPC3C	HTS+ 4	
4 76	AC024	9609	1.0	1	12	1C + 15.49	A700SFRM	HTECTE	Prev. Ind.
7 3	AH001	9309	0.4	1	23	1C + 25.69	A720MULC	CTE	
7 3	AC005	9609	0.4	1	28	1C + 25.55	A720MULC	HTECTE	Prev. Ind.
9 74	AH022	9309					B720MRPC	3H 2H	
9 74	AH011	9309	0.7	1	37	2H + 44.85	A720MULC	CTE	
9 74	AH029	9609	0.8	1	39	2H + 44.83	A720MULC	CTEHTE	Prev. Ind.
10 33	AH04	9010					A720MULC	CTE	
10 33	AC012	9609	1.1	1	9	2C + 4.32	A720MULC	HTECTE	Prev. Ind.
11 91	AH10	8811					A720SFRM	CTE	
11 91	AC028	9609	1.0	1	24	CTS + 0.47	A720MULC	HTECTE	LPI 1996
12 51	AH008	9309					A720MULC	CTE	
12 51	AC018	9609	0.3	3	23	CTS + 6.29	A720MULC	HTECTE	LPI 1993
17 56	AH02	9010					A720MULC	CTE	
17 56	AH009	9609					B720MRPC3C	HTS+ 4	
17 56	AC026	9609	0.3	1	19	CTS + 4.03	A720MULC	HTECTE	LPI 1990
17 56	AC026	9609	0.3	1	30	CTS + 2.95	A720MULC	HTECTE	LPI 1990

Owner: C P & L
Plant: H. B. Robinson Unit 2
Component: S/G A

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ALL GT 0% INDICATIONS

Row/Lin	Reel	Outage	Volts	Chan.	Ind. Desc.	Indication Location	Probe	Extent Tested	Comment
27 29	AH005	9309	0.9	1	19	6H + 74.89	A720MULC	CTE	
27 29	AC011	9609	0.8	1	18	3A + 5.89	A720MULC	HTECTE	Prev. Ind.
34 38	AH08	9010					A720MULC	CTE	
34 38	AH013	9609					B720MRPC3C	HTS+ 4	
34 38	AC013	9609	0.6	1	17	2H + 47.28	A720MULC	HTECTE	Prev. Ind.
36 74	AH11	9010	5.3	4	MBM	1C + 48.90	A720MULC	CTE	
36 74	AH029	9609	0.2	P 1	37	HTS + 0.57	A720MULC	CTEHTE	LPI 1996
36 74	AH034	9609	2.0	2	CMR	HTS + 0.55	B720MRPC3C	HTS+ 4	
37 20	AH05	9010					A720MULC	CTE	
37 20	AC008	9609	0.6	1	27	HTS + 0.60	A720MULC	HTECTE	LPI 1996
37 20	AH018	9609	1.0	1	CMR	HTS + 0.56	B720MRPC3C	HTS+ 4	
37 73	AH04	8705RB					A720SFRM	CTE-HT	
37 73	AH029	9609	0.4	1	38	CTS + 0.75	A720MULC	CTEHTE	LPI 1996
37 73	AC031	9609	0.5	1	CMR	CTS + 0.75	B720MRPC3C	CTS+ 4	
40 68	AH12	9010					A720MULC	CTE	
40 68	AH028	9609	1.1	1	25	HTS + 0.58	A720MULC	CTEHTE	LPI 1996
42 63	AH12	9010					A720MULC	CTE	
42 63	AH026	9609	1.5	1	19	CTS + 0.69	A720MULC	CTEHTE	LPI 1996
42 63	AH026	9609	1.6	1	11	HTS + 0.65	A720MULC	CTEHTE	LPI 1996
43 37	AH02	8705RB					A720SFRM	CTE-HT	
43 37	AH013	9609					B720MRPC3C	HTS+ 4	
43 37	AC031	9609	1.4	1	CMR	CTS + 1.67	B720MRPC3C	CTS+ 4	
43 37	AC031	9609	3.5	1	CMR	CTS + 0.59	B720MRPC3C	CTS+ 4	
43 37	AC013	9609	0.4	2	MBM	1C + 27.93	A720MULC	HTECTE	
43 37	AC013	9609	0.2	1	21	CTS + 1.64	A720MULC	HTECTE	LPI 1996
43 37	AC013	9609	0.5	1	17	CTS + 0.55	A720MULC	HTECTE	LPI 1996
44 36	AH02	8705RB	3.0	6	APT	1H + 2.90	A720SFRM	CTE-HT	
44 36	AH04	8811					A720SFRM	CTE	
44 36	AC013	9609	1.5	1	30	CTS + 0.55	A720MULC	HTECTE	LPI 1996
44 36	AC031	9609	3.1	1	CMR	CTS + 0.63	B720MRPC3C	CTS+ 4	
44 47	AH07C01	9204					A720MULC	CTEHTE	
44 47	AC016	9609	0.2	1	32	FBC + 1.56	A720MULC	HTECTE	LPI 1992
44 54	AH03	8705RB					A720SFRM	CTE-HT	
44 54	AH07	8811					A720SFRM	CTE	
44 54	AC026	9609	0.3	1	34	5C + 26.24	A720MULC	HTECTE	Prev. Ind.

Owner: C P & L
 Plant: H. B. Robinson Unit 2
 Component: S/G A

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ALL GT 0% INDICATIONS

Row/Lin	Reel	Outage	Volts	Chan.	Ind. Desc.	Indication Location	Probe	Extent Tested	Comment
44 57	AH09	9010					A720MULC	CTE	
44 57	AH009	9609					B720MRPC3C	HTS+ 4	
44 57	AC027	9609	0.2	2	MBM	1C + 25.76	A720MULC	HTECTE	
44 57	AC027	9609	0.8	1	16	HTS + 0.66	A720MULC	HTECTE	LPI 1996
45 41	AH05	8811					A720SFRM	CTE	
45 41	AH04	8811					A720SFRM	CTE	
45 41	AC014	9609	0.8	1	34	CTS + 0.58	A720MULC	HTECTE	LPI 1996
45 41	AC031	9609	6.5	4	CMR	CTS + 0.68	B720MRPC3C	CTS+ 4	
45 47	AH09	9010					A720MULC	CTE	
45 47	AC016	9609	0.9	1	10	CTS + 6.60	A720MULC	HTECTE	LPI 1996

Number of Tubes: 25
 Number of Indications: 28

Another aspect of this outage, was the inspection of previous indications classified as manufacturing buff marks (MBM). Due to an inaccurate analysis of a true flaw as a buff mark indication at a similar plant, it was desirable to demonstrate that a similar situation did not occur at H. B. Robinson. A sample of approximately 20% of all historic hot leg buff marks were examined with the 3-coil MRPC probe during RFO 15. The remaining 80% of the buff marks were inspected during the RFO 16 outage. The total number of hot leg buff marks inspected with MRPC probes for both outages is 101.

The next report include All Hot Leg Buff Mark (MBM) indications from RFO-17 and previous inspections and the associated MRPC inspection History:

C P & L
H. B. ROBINSON
COMPONENT: S/G #A
OUTAGE: 9609

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MBM Indications with related MRPC calls

Row/Col	Year Examined	Reel	Voltage	CH	Ind. %TWD Desc.	Indication Location	Probe	Extent Tested
1 1								
	RPC 96	AH021	1.3	1	CMR	1H +9.8	B720MRPC3C	3H1H
	RPC 96	AH021			DMR	2H +13.6	B720MRPC3C	3H1H
	09/25/96	AH025	0.3	2	MBM	1H +9.7	A720MULC	6HHTe
	11/06/90	AH07	6.2	4	MBM	1H +9.8	A680SFRM	CTE
	11/06/90	AH07	5.4	4	MBM	2H +13.6	A680SFRM	CTE
1 49								
	RPC 96	AH032	1.0	1	CMR	1H +12.5	B720MRPC3C	2H1H
	RPC 96	AH032	1.0	1	CMR	1H +33.6	B720MRPC3C	2H1H
	09/25/96	AH025	0.4	2	MBM	1H +33.5	A720MULC	6HHTe
	09/25/96	AH025	0.3	2	MBM	1H +12.6	A720MULC	6HHTe
3 3								
	RPC 96	AH019					B720MRPC3C	HTS+4
	RPC 96	AH021	2.4	1	CMR	5H +42.9	B720MRPC3C	6H5H
	09/23/96	AC001	0.7	2	MBM	5H +50.1	A700SFRM	HTECTE
	10/03/93	AH015	1.6	2	MBM	5H +42.9	A700SFRM	CTE
3 30								
	RPC 96	AH019					B720MRPC3C	HTS+4
	RPC 96	AH021	1.1	1	CMR	5H +27.3	B720MRPC3C	6H5H
	11/06/90	AH06A	7.0	4	MBM	5H +27.3	A700SFRM	CTE
	09/23/96	AC002	0.6	2	MBM	5H +30.6	A700SFRM	HTECTE
4 58								
	RPC 96	AH032	1.3	1	CMR	2H +51.2	B720MRPC3C	3H2H
	11/06/90	AH06A	6.7	4	MBM	3H -1.8	A700SFRM	CTE
5 27								
	RPC 96	AH019					B720MRPC3C	HTS+4
	RPC 96	AH021	1.4	1	CMR	5H +25.2	B720MRPC3C	6H5H
	11/06/90	AH06	5.7	4	MBM	5H +25.2	A720MULC	CTE
	09/23/96	AC002	0.7	2	MBM	5H +27.9	A700SFRM	HTECTE
6 1								
	RPC 96	AH023	1.2	1	CMR	1H +32.0	B720MRPC3C	2H1H
	09/24/96	AC005	0.4	2	MBM	1H +32.2	A720MULC	HTECTE
	04/25/92	AH01C	6.0	4	MBM	1H +32.0	A720MULC	CTEHTe
6 4								
	RPC 96	AH017					B720MRPC3C	HTS+4
	RPC 96	AH021	1.7	1	CMR	FBH +13.3	B720MRPC3C	1HFBH
	11/05/90	AH04	5.1	4	MBM	FBH +13.3	A720MULC	CTE
6 36								
	RPC 96	AH033	1.5	1	CMR	1H +33.3	B720MRPC3C	2H1H
	09/25/96	AC012	0.4	2	MBM	1H +33.3	A720MULC	HTECTE
6 41								
	RPC 96	AH022	12.0	1	CMR	1H +31.3	B720MRPC3C	2H1H
	09/25/96	AC014	1.2	2	MBM	1H +31.5	A720MULC	HTECTE
	11/06/90	AH11	5.3	4	MBM	1H +31.3	A720MULC	CTE
6 42								
	RPC 96	AH013					B720MRPC3C	HTS+4
	RPC 96	AH022	1.4	1	CMR	1H +4.4	B720MRPC3C	2H1H
	04/26/92	AH04C	7.3	4	MBM	1H +4.4	A720MULC	CTEHTe

C P & L
H. B. ROBINSON
COMPONENT: S/G #A
OUTAGE: 9609

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MBM Indications with related MRPC calls

Row/Col	Year Examined	Reel	Voltage	CH	Ind. %TWD Desc.	Indication Location	Probe	Extent Tested
6 56								
	RPC 96	AH009					B720MRPC3C	HTS+4
	RPC 96	AH020					B720MRPC3C	1HHTS
	RPC 96	AH020	0.8	1	CMR	5H +24.1	B720MRPC3C	6H5H
	09/26/96	AC026	0.7	2	MBM	5H +23.6	A720MULC	HTECTE
	04/27/92	AH09C	5.0	4	MBM	5H +23.7	A720MULC	CTEHTE
6 66								
	RPC 93	AH021	1.4	1	MBM	HTS +26.8	B720MRPC	1H HTS
	RPC 93	AH021					B720MRPC	HTS+2
	10/02/93	AH010	1.5	2	MBM	HTS +26.7	A720MULC	CTE
	10/03/93	AH021	1.4	1	MBM	HTS +26.8	B720MRPC	1H HTS
7 4								
	RPC 96	AH017					B720MRPC3C	HTS+4
	RPC 96	AH032	1.1	1	CMR	5H +15.0	B720MRPC3C	6H5H
	10/01/93	AH001	0.6	2	MBM	5H +15.1	A720MULC	CTE
	09/24/96	AC005	0.2	2	MBM	5H +14.9	A720MULC	HTECTE
7 77								
	RPC 96	AH006					B720MRPC3C	HTS+4
	RPC 96	AH020			RIC		B720MRPC3C	
	RPC 96	AH032	1.1	1	CMR	FBH +23.4	B720MRPC3C	1HFBH
	RPC 96	AH032	0.3	1	MBM	FBH +27.3	B720MRPC3C	1HFBH
	09/26/96	AH032	0.3	1	MBM	FBH +27.3	B720MRPC3C	1HFBH
	04/27/92	AH10C	5.3	4	MBM	FBH +24.3	A720MULC	CTEHTE
8 22								
	RPC 96	AH022	1.2	1	CMR	FBH +11.6	B720MRPC3C	1HFBH
	10/01/93	AH003	0.9	2	MBM	FBH +11.6	A720MULC	CTE
	09/24/96	AC008	0.4	2	MBM	FBH +11.4	A720MULC	HTECTE
8 37								
	RPC 96	AH013					B720MRPC3C	HTS+4
	RPC 96	AH022	1.2	1	CMR	HTS +45.2	B720MRPC3C	1HHTS
	04/26/92	AH03C	6.4	4	MBM	HTS +45.2	A720MULC	CTEHTE
	09/25/96	AC013	0.4	2	MBM	HTS +45.1	A720MULC	HTECTE
8 55								
	RPC 96	AH020			RIC		B720MRPC3C	2H1H
	RPC 96	AH020			RIC		B720MRPC3C	3H2H
	RPC 96	AH032	1.5	1	DMR	2H +24.2	B720MRPC3C	3H2H
	RPC 96	AH032			DMR	1H +31.4	B720MRPC3C	2H1H
	RPC 96	AH032			DMR	1H +46.7	B720MRPC3C	2H1H
	11/05/90	AH02	5.4	4	MBM	1H +46.7	A720MULC	CTE
	11/05/90	AH02	5.5	4	MBM	1H +31.4	A720MULC	CTE
	11/05/90	AH02	6.1	4	MBM	2H +24.2	A720MULC	CTE
8 62								
	RPC 96	AH009					B720MRPC3C	HTS+4
	RPC 96	AH020	22.4	1	CMR	1H +26.1	B720MRPC3C	2H1H
	RPC 96	AH020	0.6	1	CMR	3H +41.2	B720MRPC3C	4H3H
	RPC 96	AH020					B720MRPC3C	HTS
	11/07/90	AH13	5.7	4	MBM	3H +42.3	A720MULC	CTE
	04/27/92	AH09C	5.1	4	MBM	3H +41.2	A720MULC	CTEHTE
9 19								
	RPC 96	AH022	1.9	1	CMR	1H +23.1	B720MRPC3C	2H1H
	RPC 96	AH022			DMR	2H +14.1	B720MRPC3C	3H2H
	RPC 96	AH032	1.3	1	CMR	3H +30.5	B720MRPC3C	4H3H
	10/01/93	AH002	1.4	2	MBM	2H +14.1	A720MULC	CTE
	09/24/96	AC007	0.8	2	MBM	2H +13.8	A720MULC	HTECTE
	09/24/96	AC007	0.3	2	MBM	3H +29.8	A720MULC	HTECTE
	10/01/93	AH002	0.7	2	MBM	1H +23.1	A720MULC	CTE

C P & L
H. B. ROBINSON
COMPONENT: S/G #A
OUTAGE: 9609

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MBM Indications with related MRPC calls

Row/Col	Year Examined	Reel	Voltage	CH	Ind. %TWD Desc.	Indication Location	Probe	Extent Tested
9 24	09/24/96	AC007	0.4	2	MBM	1H +22.7	A720MULC	HTECTE
	RPC 96	AH015					B720MRPC3C	HTS+4
	RPC 96	AH032	0.8	1	CMR	1H +12.9	B720MRPC3C	2H1H
	RPC 96	AH032	1.1	1	CMR	1H +20.1	B720MRPC3C	2H1H
	09/24/96	AC009	0.4	2	MBM	1H +19.8	A720MULC	HTECTE
	09/24/96	AC009	0.2	2	MBM	1H +12.8	A720MULC	HTECTE
9 46	RPC 96	AH013					B720MRPC3C	HTS+4
	RPC 96	AH023	2.5	1	CMR	5H +6.0	B720MRPC3C	6H5H
	09/25/96	AC016	1.5	2	MBM	5H +5.5	A720MULC	HTECTE
	10/02/93	AH007	1.1	2	MBM	5H +6.0	A720MULC	CTE
10 4	RPC 96	AH017					B720MRPC3C	HTS+4
	RPC 96	AH021			DMR	4H +33.7	B720MRPC3C	5H4H
	09/24/96	AC005	0.3	2	MBM	4H +33.5	A720MULC	HTECTE
	10/01/93	AH001	0.8	2	MBM	4H +33.7	A720MULC	CTE
10 88	RPC 96	AH005					B720MRPC3C	HTS+4
	RPC 96	AH020		1	DMR	3H +32.5	B720MRPC3C	4H3H
	11/07/90	AH13	7.0	4	MBM	3H +32.5	A720MULC	CTE
11 3	RPC 96	AH021	1.1	1	CMR	FBH +21.3	B720MRPC3C	1HFBH
	11/05/90	AH04	7.5	4	MBM	FBH +21.3	A720MULC	CTE
11 58	RPC 96	AH009					B720MRPC3C	HTS+4
	RPC 96	AH020	1.7	1	CMR	5H +5.3	B720MRPC3C	6H5H
	RPC 96	AH020	1.8	1	CMR	5H +8.2	B720MRPC3C	6H5H
	RPC 96	AH020	1.9	1	CMR	HTS +17.5	B720MRPC3C	HTS
	11/05/90	AH02	6.3	4	MBM	5H +8.0	A720MULC	CTE
	09/26/96	AC027	1.4	2	MBM	HTS +16.6	A720MULC	HTECTE
	11/05/90	AH02	12.4	4	MBM	HTS +17.2	A720MULC	CTE
	11/05/90	AH02	6.1	4	MBM	5H +5.2	A720MULC	CTE
12 7	RPC 96	AH032	1.5	1	CMR	2H +13.7	B720MRPC3C	3H2H
	11/05/90	AH04	5.2	4	MBM	2H +13.7	A720MULC	CTE
12 11	RPC 96	AH021	1.3	1	CMR	1H +38.7	B720MRPC3C	2H1H
	11/05/90	AH04	6.4	4	MBM	1H +38.7	A720MULC	CTE
12 30	RPC 96	AH022	0.8	1	CMR	HTS +47.0	B720MRPC3C	3HHTS
	RPC 96	AH022	0.7	1	CMR	1H +48.5	B720MRPC3C	3HHTS
	09/25/96	AC011	0.2	2	MBM	1H +48.3	A720MULC	HTECTE
	10/01/93	AH005	0.8	2	MBM	1H +48.5	A720MULC	CTE
	10/01/93	AH005	0.6	2	MBM	HTS +47.0	A720MULC	CTE
	09/25/96	AC011	0.5	2	MBM	HTS +47.0	A720MULC	HTECTE
12 31	RPC 96	AH022	2.3	1	CMR	HTS +51.2	B720MRPC3C	1HHTS
	RPC 96	AH022	0.4	1	CMR	2H +30.5	B720MRPC3C	3H2H
	09/25/96	AC011	0.3	2	MBM	HTS +50.6	A720MULC	HTECTE
	09/25/96	AC011	0.3	2	MBM	2H +30.1	A720MULC	HTECTE
	10/01/93	AH005	0.4	2	MBM	2H +30.5	A720MULC	CTE
	10/01/93	AH005	0.7	2	MBM	HTS +50.3	A720MULC	CTE

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MBM Indications with related MRPC calls

Row/Col	Year Examined	Reel	Voltage	CH	Ind. %TWD Desc.	Indication Location	Probe	Extent Tested
12 33								
	RPC 96	AH033	1.1	1	CMR	3H +13.4	B720MRPC3C	4H3H
	RPC 96	AH033	1.2	1	CMR	3H +40.7	B720MRPC3C	4H3H
	09/25/96	AC012	0.5	2	MBM	3H +40.6	A720MULC	HTECTE
	09/25/96	AC012	0.3	2	MBM	3H +13.3	A720MULC	HTECTE
13 8								
	RPC 96	AH032	2.8	1	CMR	FBH +13.2	B720MRPC3C	3HHTS
	RPC 96	AH032	1.8	1	MBM	1H +40.0	B720MRPC3C	3HHTS
	RPC 96	AH032	1.0	1	CMR	2H +15.2	B720MRPC3C	3HHTS
	09/26/96	AH032	1.8	1	MBM	1H +40.0	B720MRPC3C	3HHTS
	09/24/96	AC005	0.5	2	MBM	2H +14.7	A720MULC	HTECTE
	09/24/96	AC005	0.6	2	MBM	FBH +13.2	A720MULC	HTECTE
13 17								
	RPC 96	AH014					B720MRPC3C	HTS+4
	RPC 96	AH022			DMR	1H +42.1	B720MRPC3C	2H1H
	11/05/90	AH04	6.0	4	MBM	1H +42.1	A720MULC	CTE
13 88								
	RPC 96	AH005					B720MRPC3C	HTS+4
	RPC 96	AH035	1.2	1	CMR	5H +12.7	B720MRPC3C	6H5H
	09/26/96	AC024	0.3	2	MBM	5H +12.7	A700SFRM	HTECTE
14 7								
	RPC 96	AH015					B720MRPC3C	HTS+4
	RPC 96	AH032	1.0	1	CMR	1H +19.6	B720MRPC3C	2H1H
	RPC 96	AH032	3.0	4	CMR	1H +26.4	B720MRPC3C	2H1H
	09/24/96	AC005	0.6	2	MBM	1H +26.0	A720MULC	HTECTE
	09/24/96	AC005	0.4	2	MBM	1H +19.5	A720MULC	HTECTE
14 8								
	RPC 96	AH032	1.4	1	CMR	4H +31.7	B720MRPC3C	5H4H
	09/24/96	AC005	0.6	2	MBM	4H +31.2	A720MULC	HTECTE
14 16								
	RPC 96	AH032	0.9	1	CMR	HTS +12.2	B720MRPC3C	1HHTS
	09/24/96	AC007	0.7	2	MBM	HTS +11.9	A720MULC	HTECTE
14 52								
	RPC 96	AH012					B720MRPC3C	HTS+4
	RPC 96	AH032	1.3	1	CMR	4H +4.0	B720MRPC3C	5H4H
	09/25/96	AC018	0.3	2	MBM	4H +3.9	A720MULC	HTECTE
14 57								
	RPC 96	AH009					B720MRPC3C	HTS+4
	RPC 96	AH033	1.3	1	CMR	1H +40.4	B720MRPC3C	2H1H
	09/26/96	AC027	0.1	2	MBM	1H +40.5	A720MULC	HTECTE
14 62								
	RPC 96	AH020	1.2	1	CMR	4H +25.7	B720MRPC3C	5H4H
	11/07/90	AH13	5.2	4	MBM	4H +25.7	A720MULC	CTE
	09/25/96	AH025	1.0	2	MBM	4H +26.3	A720MULC	CTEHE
14 63								
	RPC 96	AH020	1.7	1	CMR	4H +16.8	B720MRPC3C	5H4H
	RPC 90	AH01					B720MRPC	HTS+2
	09/25/96	AH026	0.4	2	MBM	4H +16.3	A720MULC	CTEHE
	10/02/93	AH010	0.3	2	MBM	4H +16.4	A720MULC	CTE

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MBM Indications with related MRPC calls

Row/Col	Year Examined	Reel	Voltage	CH	Ind. %TWD Desc.	Indication Location	Probe	Extent Tested
14 65	RPC 96	AH020		1	DMR	2H +18.3	B720MRPC3C	3H2H
	10/02/93	AH010	1.2	2	MBM	2H +18.3	A720MULC	CTE
15 22	RPC 96	AH032	2.5	1	MBM	3H +3.0	B720MRPC3C	4H3H
	RPC 96	AH032	1.6	1	MBM	3H +23.4	B720MRPC3C	4H3H
	RPC 96	AH032	0.9	1	MBM	3H +25.0	B720MRPC3C	4H3H
	RPC 96	AH032	1.4	1	MBM	3H +41.6	B720MRPC3C	4H3H
	RPC 96	AH032	1.2	1	CMR	3H +47.1	B720MRPC3C	4H3H
	09/26/96	AH032	2.5	1	MBM	3H +3.0	B720MRPC3C	4H3H
	09/26/96	AH032	1.4	1	MBM	3H +41.6	B720MRPC3C	4H3H
	09/24/96	AC008	0.5	2	MBM	3H +46.3	A720MULC	HTECTE
	09/26/96	AH032	0.9	1	MBM	3H +25.0	B720MRPC3C	4H3H
	09/26/96	AH032	1.6	1	MBM	3H +23.4	B720MRPC3C	4H3H
15 44	RPC 96	AH033	0.7	1	CMR	4H +37.2	B720MRPC3C	5H4H
	RPC 96	AH034	0.8	1	CMR	1H +34.0	B720MRPC3C	2H1H
	09/25/96	AC015	0.3	2	MBM	1H +33.8	A720MULC	HTECTE
	09/25/96	AC015	0.2	2	MBM	4H +37.1	A720MULC	HTECTE
15 51	RPC 96	AH020	1.0	1	CMR	HTS +33.6	B720MRPC3C	1HHTS
	11/05/90	AH02	5.1	4	MBM	HTS +34.1	A720MULC	CTE
15 57	RPC 96	AH009					B720MRPC3C	HTS+4
	RPC 96	AH033	1.1	1	CMR	4H +16.4	B720MRPC3C	5H4H
	09/26/96	AC027	0.2	2	MBM	4H +16.3	A720MULC	HTECTE
15 88	RPC 96	AH005					B720MRPC3C	HTS+4
	RPC 96	AH020	0.6	1	CMR	HTS +17.8	B720MRPC3C	1HHTS
	04/27/92	AH11C	5.0	4	MBM	HTS +17.6	A720MULC	CTEHTE
16 5	RPC 96	AH017					B720MRPC3C	HTS+4
	RPC 96	AH032	1.4	1	CMR	2H +45.7	B720MRPC3C	3H2H
	09/24/96	AC005	0.3	2	MBM	2H +45.1	A720MULC	HTECTE
16 23	RPC 96	AH022			DMR	2H +13.1	B720MRPC3C	3H2H
	04/25/92	AH02C	5.9	4	MBM	2H +13.1	A720MULC	CTEHTE
	09/24/96	AC009	0.5	2	MBM	2H +13.0	A720MULC	HTECTE
16 55	RPC 96	AH020	0.6	1	CMR	2H -0.9	B720MRPC3C	2H +2
	10/02/93	AH009	1.7	P 3	MBM	2H -0.6	A720MULC	CTE
16 56	RPC 96	AH020	1.2	1	CMR	3H +34.2	B720MRPC3C	4H3H
	RPC 96	AH020					B720MRPC3C	HTS
	09/26/96	AC026	0.8	2	MBM	3H +33.3	A720MULC	HTECTE
	04/27/92	AH09C	5.4	4	MBM	3H +34.2	A720MULC	CTEHTE
18 15	RPC 96	AH015					B720MRPC3C	HTS+4
	RPC 96	AH021	1.2	1	CMR	2H +28.8	B720MRPC3C	3H2H
	09/24/96	AC006	0.4	2	MBM	2H +28.8	A720MULC	HTECTE
	10/01/93	AH001	1.0	2	MBM	2H +28.8	A720MULC	CTE

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MBM Indications with related MRPC calls

Row/Col	Year Examined	Reel	Voltage	CH	Ind. %TWD Desc.	Indication Location	Probe	Extent Tested
18 16								
	RPC 96	AH014					B720MRPC3C	HTS+4
	RPC 96	AH022	1.6	1	CMR	5H +10.6	B720MRPC3C	6H5H
	09/24/96	AC007	0.6	2	MBM	5H +10.5	A720MULC	HTECTE
	10/01/93	AH002	1.0	2	MBM	5H +10.6	A720MULC	CTE
18 49								
	RPC 96	AH012					B720MRPC3C	HTS+4
	RPC 96	AH020	1.3	1	MBM	6H -0.8	B720MRPC3C	6H +2
	RPC 96	AH020	6.1	1	CMR	6H +1.6	B720MRPC3C	6H +2
	09/25/96	AH020	1.3	1	MBM	6H -0.8	B720MRPC3C	6H +2
20 22								
	RPC 96	AH015					B720MRPC3C	HTS+4
	RPC 96	AH022			DMR	3H +13.2	B720MRPC3C	4H3H
	09/24/96	AC008	0.2	2	MBM	3H +12.7	A720MULC	HTECTE
	10/01/93	AH003	0.4	2	MBM	3H +13.2	A720MULC	CTE
21 34								
	RPC 96	AH013					B720MRPC3C	HTS+4
	RPC 96	AH033	1.2	1	CMR	4H +18.4	B720MRPC3C	5H4H
	09/25/96	AC012	0.7	2	MBM	4H +18.3	A720MULC	HTECTE
21 49								
	RPC 93	AH021	1.8	1	MBM	1H +47.6	B720MRPC	2H 1H
	RPC 93	AH021					B720MRPC	HTS+2
	11/05/90	AH02	6.5	4	MBM	2H -4.6	A720MULC	CTE
	09/25/96	AC017	1.3	2	MBM	1H +47.4	A720MULC	HTECTE
	10/03/93	AH021	1.8	1	MBM	1H +47.6	B720MRPC	2H 1H
22 69								
	RPC 93	AH021	0.7	1	MBM	2H +30.3	B720MRPC	3H 2H
	RPC 93	AH021					B720MRPC	HTS+2
	04/27/92	AH10C	8.0	4	MBM	2H +31.0	A720MULC	CTE HTE
	10/03/93	AH021	0.7	1	MBM	2H +30.3	B720MRPC	3H 2H
23 23								
	RPC 96	AH022	1.0	1	CMR	FBH +22.4	B720MRPC3C	1HFBH
	10/01/93	AH003	0.7	2	MBM	FBH +22.4	A720MULC	CTE
	09/24/96	AC009	0.6	2	MBM	FBH +22.1	A720MULC	HTECTE
23 28								
	RPC 96	AH022		1	DMR	2H +48.8	B720MRPC3C	3H2H
	10/01/93	AH005	0.8	2	MBM	2H +48.8	A720MULC	CTE
24 68								
	RPC 93	AH021	1.7	1	MBM	FBH +13.5	B720MRPC	1H FBH
	RPC 93	AH021					B720MRPC	HTS+2
	10/03/93	AH021	1.7	1	MBM	FBH +13.5	B720MRPC	1H FBH
	11/06/90	AH12	7.3	4	MBM	FBH +13.6	A720MULC	CTE
25 13								
	RPC 93	AH022	0.8	5	MBM	HTS +4.1	B720MRPC	1H HTS
	RPC 93	AH022					B720MRPC	HTS+2
	10/01/93	AH001	1.1	2	MBM	HTS +4.4	A720MULC	CTE
	09/24/96	AC006	1.6	2	MBM	HTS +4.2	A720MULC	HTECTE
	10/03/93	AH022	0.8	5	MBM	HTS +4.1	B720MRPC	1H HTS

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Row/Col	Year Examined	Reel	Voltage	CH	Ind. %TWD Desc.	Indication Location	Probe	Extent Tested
25 23	RPC 96 AH015						B720MRPC3C	HTS+4
	RPC 96 AH022				RNC		B720MRPC3C	
	RPC 96 AH033		1.0	1	CMR	2H +11.4	B720MRPC3C	3H2H
	04/26/92 AH06C		5.1	4	MBM	2H +11.6	A720MULC	CTE HTE
25 28	RPC 96 AH014						B720MRPC3C	HTS+4
	RPC 96 AH022		1.7	1	CMR	4H +15.5	B720MRPC3C	5H4H
	10/01/93 AH005		1.0	2	MBM	4H +15.2	A720MULC	CTE
25 32	RPC 96 AH014						B720MRPC3C	HTS+4
	RPC 96 AH022		1.3	1	CMR	2H +30.5	B720MRPC3C	3H2H
	10/01/93 AH005		1.6	2	MBM	2H +27.8	A720MULC	CTE
26 16	RPC 96 AH032		1.0	1	CMR	FBH +21.3	B720MRPC3C	1HHTS
	09/24/96 AC007		0.7	2	MBM	FBH +20.8	A720MULC	HTECTE
26 18	RPC 96 AH022		0.8	1	CMR	FBH +2.6	B720MRPC3C	1HFBH
	10/01/93 AH002		1.0	2	MBM	FBH +2.6	A720MULC	CTE
	09/24/96 AC007		0.4	2	MBM	FBH +2.5	A720MULC	HTECTE
26 22	RPC 96 AH015						B720MRPC3C	HTS+4
	RPC 96 AH032		0.8	1	CMR	2H +13.1	B720MRPC3C	3H2H
	09/24/96 AC008		0.2	2	MBM	2H +12.8	A720MULC	HTECTE
26 24	RPC 96 AH022		1.4	1	CMR	1H +23.8	B720MRPC3C	2H1H
	RPC 96 AH022				RIC		B720MRPC3C	6H5H
	RPC 96 AH033		5.4	3	CMR	5H +37.5	B720MRPC3C	6H5H
	11/06/90 AH05		6.5	4	MBM	1H +24.2	A720MULC	CTE
	04/26/92 AH06C		6.6	4	MBM	1H +23.8	A720MULC	CTE HTE
	12/04/88 AH01		0.6	1	MBM	5H +37.6	A720SFRM	CTE
	09/24/96 AC009		0.6	2	MBM	1H +23.6	A720MULC	HTECTE
26 25	RPC 93 AH022		1.5	1	MBM	FBH +25.6	B720MRPC	1H FBH
	RPC 93 AH022						B720MRPC	HTS+2
	09/24/96 AC010		1.2	2	MBM	FBH +24.8	A720MULC	HTECTE
	11/06/90 AH05		6.3	4	MBM	FBH +24.8	A720MULC	CTE
	10/03/93 AH022		1.5	1	MBM	FBH +25.6	B720MRPC	1H FBH
26 28	RPC 96 AH033		0.7	1	MBM	2H +8.3	B720MRPC3C	3H2H
	RPC 96 AH033		0.8	1	MBM	2H +21.3	B720MRPC3C	3H2H
	RPC 96 AH033		0.9	1	CMR	2H +26.4	B720MRPC3C	3H2H
	09/26/96 AH033		0.7	1	MBM	2H +8.3	B720MRPC3C	3H2H
	09/24/96 AC010		0.2	2	MBM	2H +26.3	A720MULC	HTECTE
	09/26/96 AH033		0.8	1	MBM	2H +21.3	B720MRPC3C	3H2H
26 30	RPC 96 AH022		0.9	1	CMR	1H +12.0	B720MRPC3C	2H1H
	RPC 96 AH022		0.9	1	CMR	1H +40.3	B720MRPC3C	2H1H
	RPC 96 AH022		0.9	1	CMR	3H +18.7	B720MRPC3C	5H3H
	RPC 96 AH022		0.9	1	CMR	4H +21.7	B720MRPC3C	5H3H
	RPC 96 AH033		1.0	1	CMR	2H +12.2	B720MRPC3C	3H2H
	09/25/96 AC011		0.4	2	MBM	1H +39.8	A720MULC	HTECTE
	09/25/96 AC011		0.3	2	MBM	1H +11.7	A720MULC	HTECTE
	10/01/93 AH005		0.6	2	MBM	1H +12.0	A720MULC	CTE
	09/25/96 AC011		0.2	2	MBM	2H +12.1	A720MULC	HTECTE

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MBM Indications with related MRPC calls

Row/Col	Year Examined	Reel	Voltage	CH	Ind. %TWD Desc.	Indication Location	Probe	Extent Tested
	09/25/96	AC011	0.4	2	MBM	3H +18.1	A720MULC	HTECTE
	09/25/96	AC011	0.2	2	MBM	4H +21.5	A720MULC	HTECTE
	10/01/93	AH005	1.3	2	MBM	1H +40.3	A720MULC	CTE
	10/01/93	AH005	0.8	2	MBM	3H +18.6	A720MULC	CTE
	10/01/93	AH005	0.8	2	MBM	4H +21.7	A720MULC	CTE
26 40	RPC 96	AH013					B720MRPC3C	HTS+4
	RPC 96	AH033	1.4	1	CMR	2H +42.2	B720MRPC3C	3H2H
	09/25/96	AC014	0.7	2	MBM	2H +41.9	A720MULC	HTECTE
26 48	RPC 96	AH032	0.9	1	CMR	3H +17.8	B720MRPC3C	4H3H
	09/25/96	AC016	0.3	2	MBM	3H +17.6	A720MULC	HTECTE
27 10	RPC 96	AH015					B720MRPC3C	HTS+4
	RPC 96	AH021	1.8	1	CMR	5H +21.4	B720MRPC3C	6H5H
	10/01/93	AH001	0.7	2	MBM	5H +21.4	A720MULC	CTE
	09/24/96	AC006	0.5	2	MBM	5H +21.3	A720MULC	HTECTE
27 12	RPC 96	AH015					B720MRPC3C	HTS+4
	RPC 96	AH021	1.3	1	CMR	5H +24.4	B720MRPC3C	6H5H
	RPC 96	AH032	1.1	1	CMR	4H +15.8	B720MRPC3C	5H4H
	10/01/93	AH001	1.2	2	MBM	5H +24.4	A720MULC	CTE
	09/24/96	AC006	0.2	2	MBM	4H +15.7	A720MULC	HTECTE
	09/24/96	AC006	0.4	2	MBM	5H +24.7	A720MULC	HTECTE
27 23	RPC 96	AH015					B720MRPC3C	HTS+4
	RPC 96	AH032	1.2	1	MBM	3H +22.3	B720MRPC3C	4H3H
	RPC 96	AH032	1.4	1	CMR	3H +50.1	B720MRPC3C	4H3H
	09/26/96	AH032	1.2	1	MBM	3H +22.3	B720MRPC3C	4H3H
	09/24/96	AC009	0.5	2	MBM	3H +49.9	A720MULC	HTECTE
27 27	RPC 96	AH022	1.3	1	CMR	1H +11.1	B720MRPC3C	2H1H
	09/24/96	AC010	1.4	2	MBM	1H +10.8	A720MULC	HTECTE
	10/01/93	AH005	1.8	2	MBM	1H +11.1	A720MULC	CTE
27 44	RPC 96	AH012					B720MRPC3C	HTS+4
	RPC 96	AH033	0.8	1	CMR	HTS +21.5	B720MRPC3C	1HHTS
	RPC 96	AH033	1.1	1	CMR	FBH +1.1	B720MRPC3C	1HHTS
	RPC 96	AH033	0.8	1	CMR	FBH +20.9	B720MRPC3C	1HHTS
	RPC 96	AH033	1.4	1	CMR	1H -0.3	B720MRPC3C	1HHTS
	09/25/96	AC015	0.5	2	MBM	HTS +21.3	A720MULC	HTECTE
	09/25/96	AC015	0.6	2	MBM	FBH +1.0	A720MULC	HTECTE
	09/25/96	AC015	0.2	2	MBM	1H -0.4	A720MULC	HTECTE
	09/25/96	AC015	0.3	2	MBM	FBH +20.9	A720MULC	HTECTE
27 49	RPC 96	AH032	1.2	1	CMR	FBH +25.8	B720MRPC3C	1HHTS
	RPC 96	AH032	0.8	1	CMR	FBH +24.3	B720MRPC3C	1HHTS
	09/25/96	AC017	0.5	2	MBM	FBH +24.4	A720MULC	HTECTE
	09/25/96	AC017	0.3	2	MBM	FBH +26.0	A720MULC	HTECTE

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MBM Indications with related MRPC calls

Row/Col	Year Examined	Reel	Voltage	CH	Ind. %TWD Desc.	Indication Location	Probe	Extent Tested
27 55								
	RPC 93	AH021	1.9	1	MBM	1H +40.5	B720MRPC	2H 1H
	RPC 93	AH021					B720MRPC	HTS+2
	09/26/96	AC026	0.3	2	MBM	1H +39.6	A720MULC	HTECTE
	10/03/93	AH021	1.9	1	MBM	1H +40.5	B720MRPC	2H 1H
	10/02/93	AH009	0.5	2	MBM	1H +40.2	A720MULC	CTE
27 58								
	RPC 93	AH021	0.9	7	MBM	1H +18.5	B720MRPC	2H 1H
	RPC 93	AH021					B720MRPC	HTS+2
	10/03/93	AH021	0.9	7	MBM	1H +18.5	B720MRPC	2H 1H
	04/26/92	AH07C	5.1	4	MBM	1H +18.5	A720MULC	CTEHTE
	09/26/96	AC027	0.5	2	MBM	1H +18.1	A720MULC	HTECTE
27 62								
	RPC 93	AH021					B720MRPC	1H FBH
	RPC 93	AH021					B720MRPC	HTS+2
	11/06/90	AH11	5.1	4	MBM	FBH +16.7	A720MULC	CTE
27 65								
	RPC 96	AH007					B720MRPC3C	HTS+4
	RPC 96	AH034	0.9	1	CMR	3H +49.4	B720MRPC3C	4H3H
	09/25/96	AH026	0.3	2	MBM	3H +49.6	A720MULC	CTEHTE
27 66								
	RPC 96	AH007					B720MRPC3C	HTS+4
	RPC 96	AH020	1.3	1	CMR	HTS +5.4	B720MRPC3C	FBHHTS
	09/26/96	AH027	1.0	2	MBM	HTS +5.5	A720MULC	CTEHTE
	04/26/92	AH08C	6.4	4	MBM	HTS +5.3	A720MULC	CTEHTE
27 73								
	RPC 96	AH020	10.2	1	CMR	2H +21.2	B720MRPC3C	3H2H
	09/26/96	AH029	0.9	2	MBM	2H +21.4	A720MULC	CTEHTE
	04/26/92	AH08C	7.0	4	MBM	2H +21.2	A720MULC	CTEHTE
28 22								
	RPC 96	AH032	1.2	1	CMR	5H +4.3	B720MRPC3C	6H5H
	RPC 96	AH032	1.0	1	CMR	1H +22.9	B720MRPC3C	2H1H
	09/24/96	AC008	0.3	2	MBM	1H +22.4	A720MULC	HTECTE
	09/24/96	AC008	0.3	2	MBM	5H +4.1	A720MULC	HTECTE
28 27								
	RPC 93	AH022	1.1	1	MBM	3H +42.5	B720MRPC	4H 3H
	RPC 93	AH022					B720MRPC	HTS+2
	10/03/93	AH022	1.1	1	MBM	3H +42.5	B720MRPC	4H 3H
	11/06/90	AH05	5.3	4	MBM	3H +42.5	A720MULC	CTE
	09/24/96	AC010	0.4	2	MBM	3H +42.4	A720MULC	HTECTE
28 44								
	RPC 93	AH022	1.0	1	MBM	4H +24.0	B720MRPC	1H FBH
	RPC 93	AH022					B720MRPC	HTS+2
	04/26/92	AH05C	5.4	4	MBM	FBH +26.6	A720MULC	CTEHTE
	09/25/96	AC015	0.4	2	MBM	FBH +26.9	A720MULC	HTECTE
	10/03/93	AH022	1.0	1	MBM	4H +24.0	B720MRPC	1H FBH
28 47								
	RPC 93	AH021					B720MRPC	6H 5H
	RPC 93	AH021					B720MRPC	HTS+2
	09/25/96	AC016	0.7	2	MBM	5H +11.5	A720MULC	HTECTE
	10/02/93	AH008	0.9	2	MBM	5H +11.6	A720MULC	CTE

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MBM Indications with related MRPC calls

Row/Col	Year Examined	Reel	Voltage	CH	Ind. %TWD Desc.	Indication Location	Probe	Extent Tested
28 53	RPC 96 RPC 96 09/26/96	AH009 AH033 AC026	.1.1 0.8	1 2	CMR MBM	3H +21.0 3H +20.9	B720MRPC3C B720MRPC3C A720MULC	HTS+4 4H3H HTECTE
28 56	RPC 93 RPC 93 10/02/93 09/26/96 10/03/93	AH021 AH021 AH009 AC026 AH021	1.3 0.5 1.1 1.3	1 2 2 1	MBM MBM MBM MBM	1H +28.0 1H +28.4 1H +28.0 1H +28.0	B720MRPC B720MRPC A720MULC A720MULC B720MRPC	2H 1H HTS+2 CTE HTECTE 2H 1H
28 61	RPC 96 11/06/90	AH020 AH11	5.5	1 4	DMR MBM	5H +10.4 5H +10.4	B720MRPC3C A720MULC	6H5H CTE
29 28	RPC 96 09/24/96	AH033 AC010	0.9 0.3	1 2	CMR MBM	4H +12.9 4H +13.0	B720MRPC3C A720MULC	5H4H HTECTE
29 29	RPC 93 RPC 93 04/26/92	AH022 AH022 AH06C	5.3	4	MBM	4H +4.6	B720MRPC B720MRPC A720MULC	5H 4H HTS+2 CTENTE
29 35	RPC 93 RPC 93 04/26/92 09/25/96 10/03/93	AH022 AH022 AH04C AC012 AH022	1.3 5.1 0.3 1.3	1 4 2 1	MBM MBM MBM MBM	4H +37.8 4H +38.7 4H +38.1 4H +37.8	B720MRPC B720MRPC A720MULC A720MULC B720MRPC	5H 4H HTS+2 CTEHTE HTECTE 5H 4H
29 38	RPC 93 RPC 93 09/25/96 04/26/92 10/03/93	AH022 AH022 AC013 AH04C AH022	1.0 0.6 5.8 1.0	1 2 4 1	MBM MBM MBM MBM	4H +29.5 1H +29.1 1H +29.5 4H +29.5	B720MRPC B720MRPC A720MULC A720MULC B720MRPC	2H 1H HTS+2 HTECTE CTENTE 2H 1H
30 31	RPC 96 RPC 96 RPC 96 09/25/96 09/25/96 10/01/93 10/01/93	AH014 AH022 AH022 AC011 AC011 AH005 AH005	1.5 1.0 0.1 0.4 0.7 0.4	4 1 2 2 2 2	CMR CMR MBM MBM MBM MBM	1H +11.4 2H +2.2 2H +1.6 1H +10.6 1H +11.3 2H +2.2	B720MRPC3C B720MRPC3C B720MRPC3C A720MULC A720MULC A720MULC A720MULC	HTS+4 3H1H 3H1H HTECTE HTECTE CTE CTE
30 71	RPC 93 RPC 93 10/03/93 10/02/93 09/26/96	AH021 AH021 AH021 AH011 AH028	5.2 5.2 2.7 2.0	4 4 2 2	MBM MBM MBM MBM	5H +12.7 5H +12.7 5H +12.1 5H +12.3	B720MRPC B720MRPC B720MRPC A720MULC A720MULC	6H 5H HTS+2 6H 5H CTE CTENTE
31 30	RPC 96 10/01/93	AH022 AH005	1.9 0.8	1 2	CMR MBM	4H +24.8 4H +24.8	B720MRPC3C A720MULC	5H4H CTE

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MBM Indications with related MRPC calls

Row/Col	Year Examined	Reel	Voltage	CH	Ind. XTWD Desc.	Indication Location	Probe	Extent Tested
31 58	RPC 96	AH020	1.6	1	CMR	FBH +24.8	B720MRPC3C	1HHTS
	10/02/93	AH009	0.4	2	MBM	FBH +24.4	A720MULC	CTE
31 60	RPC 96	AH011					B720MRPC3C	HTS+4
	RPC 96	AH020	0.7	1	CMR	FBH +7.7	B720MRPC3C	1HHTS
	10/02/93	AH009	0.6	2	MBM	FBH +7.7	A720MULC	CTE
	09/26/96	AC027	0.3	2	MBM	FBH +7.3	A720MULC	HTECTE
31 72	RPC 96	AH006					B720MRPC3C	HTS+4
	RPC 96	AH020			RIC		B720MRPC3C	
	RPC 96	AH032	2.4	1	CMR	1H +35.2	B720MRPC3C	2H1H
	11/06/90	AH11	5.7	4	MBM	1H +35.2	A720MULC	CTE
31 78	RPC 96	AH005			RBD		B720MRPC3C	+4
	RPC 96	AH009					B720MRPC3C	HTS+4
	RPC 96	AH033	1.1	2	CMR	5H +31.1	B720MRPC3C	6H5H
	09/26/96	AH030	0.5	2	MBM	5H +31.6	A720MULC	CTEHTE
32 39	RPC 96	AH022	1.2	1	CMR	FBH +13.4	B720MRPC3C	1HFBH
	10/02/93	AH006	1.9	2	MBM	FBH +13.4	A720MULC	CTE
32 46	RPC 96	AH023	1.7	1	CMR	4H +50.3	B720MRPC3C	5H4H
	09/25/96	AC016	0.5	2	MBM	4H +50.3	A720MULC	HTECTE
	04/26/92	AH05C	5.1	4	MBM	4H +50.3	A720MULC	CTEHTE
32 50	RPC 96	AH012					B720MRPC3C	HTS+4
	RPC 96	AH020	1.2	1	CMR	1H +5.0	B720MRPC3C	2H1H
	04/26/92	AH07C	7.0	4	MBM	1H +4.9	A720MULC	CTEHTE
33 25	RPC 96	AH022	29.9	1	CMR	5H +45.2	B720MRPC3C	6H5H
	12/04/88	AH01	3.2	1	MBM	5H +44.2	A720SFRM	CTE
33 26	RPC 96	AH022	2.3	1	CMR	FBH +23.7	B720MRPC3C	1HFBH
	09/24/96	AC010	1.5	2	MBM	FBH +23.6	A720MULC	HTECTE
	11/06/90	AH05	10.9	4	MBM	FBH +23.7	A720MULC	CTE
33 63	RPC 96	AH007					B720MRPC3C	HTS+4
	RPC 96	AH020	1.3	1	CMR	5H +20.4	B720MRPC3C	6H5H
	09/25/96	AH026	0.3	2	MBM	5H +20.5	A720MULC	CTEHTE
	10/02/93	AH010	0.5	2	MBM	5H +20.4	A720MULC	CTE
33 67	RPC 96	AH007					B720MRPC3C	HTS+4
	RPC 96	AH034	1.7	1	CMR	3H +13.6	B720MRPC3C	4H3H
	09/26/96	AH027	0.4	2	MBM	3H +13.9	A720MULC	CTEHTE
34 28	RPC 96	AH033	0.8	1	MBM	2H +8.3	B720MRPC3C	3H2H
	RPC 96	AH033	0.9	1	CMR	2H +12.1	B720MRPC3C	3H2H
	09/26/96	AH033	0.8	1	MBM	2H +8.3	B720MRPC3C	3H2H
	09/24/96	AC010	0.3	2	MBM	2H +11.7	A720MULC	HTECTE

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Row/Col	Year Examined	Reel	Voltage	CH	Ind. %TWD Desc.	Indication Location	Probe	Extent Tested
34 30	RPC 96	AH022	1.5	1	CMR	5H +7.8	B720MRPC3C	6H5H
	09/25/96	AC011	0.2	2	MBM	5H +7.6	A720MULC	HTECTE
	10/01/93	AH005	0.5	2	MBM	5H +7.8	A720MULC	CTE
34 44	RPC 96	AH023	1.8	1	CMR	5H +9.2	B720MRPC3C	6H5H
	04/26/92	AH05C	6.7	4	MBM	5H +9.2	A720MULC	CTEHTE
	09/25/96	AC015	0.6	2	MBM	5H +8.9	A720MULC	HTECTE
34 69	RPC 96	AH006					B720MRPC3C	HTS+4
	RPC 96	AH020			RIC		B720MRPC3C	
	RPC 96	AH020	39.7	1	CMR	1H +22.9	B720MRPC3C	2H1H
	RPC 96	AH032	0.7	1	CMR	2H +31.7	B720MRPC3C	3H2H
	04/26/92	AH08C	5.3	4	MBM	2H +31.7	A720MULC	CTEHTE
	09/26/96	AH028	1.0	2	MBM	2H +32.0	A720MULC	CTEHTE
	11/06/90	AH11	5.3	4	MBM	2H +31.4	A720MULC	CTE
34 71	RPC 96	AH006					B720MRPC3C	HTS+4
	RPC 96	AH020		1	DMR	3H +10.8	B720MRPC3C	4H3H
	11/06/90	AH11	5.4	4	MBM	3H +10.8	A720MULC	CTE
35 18	RPC 96	AH022	0.5	1	CMR	1H +14.8	B720MRPC3C	2H1H
	09/24/96	AC007	0.4	2	MBM	1H +14.6	A720MULC	HTECTE
	04/26/92	AH05C	5.5	4	MBM	1H +14.8	A720MULC	CTEHTE
35 35	RPC 96	AH022	3.2	1	CMR	4H +18.0	B720MRPC3C	5H4H
	09/25/96	AC012	1.0	2	MBM	4H +17.3	A720MULC	HTECTE
	04/26/92	AH04C	5.4	4	MBM	4H +18.0	A720MULC	CTEHTE
35 67	RPC 96	AH007					B720MRPC3C	HTS+4
	RPC 96	AH020	1.1	1	CMR	2H +49.3	B720MRPC3C	3H2H
	09/26/96	AH027	0.7	2	MBM	2H +49.5	A720MULC	CTEHTE
	04/26/92	AH08C	7.0	4	MBM	2H +49.3	A720MULC	CTEHTE
35 68	RPC 96	AH034	1.0	1	CMR	5H +43.6	B720MRPC3C	6H5H
	09/26/96	AH028	0.3	2	MBM	5H +43.9	A720MULC	CTEHTE
36 60	RPC 93	AH021	2.4	1	MBM	4H +47.6	B720MRPC	5H 4H
	RPC 93	AH021					B720MRPC	HTS+2
	10/03/93	AH021	2.4	1	MBM	4H +47.6	B720MRPC	5H 4H
	10/02/93	AH009	1.7	2	MBM	4H +47.5	A720MULC	CTE
36 62	RPC 96	AH020	1.0	1	CMR	5H +26.1	B720MRPC3C	6H5H
	10/02/93	AH010	1.4	2	MBM	5H +26.1	A720MULC	CTE
	09/25/96	AH026	0.6	2	MBM	5H +26.3	A720MULC	CTEHTE
37 59	RPC 96	AH033	1.6	4	CMR	5H +37.7	B720MRPC3C	6H5H
	RPC 96	AH033	1.1	3	CMR	1H +15.8	B720MRPC3C	2H1H
	09/26/96	AC027	0.6	2	MBM	1H +15.4	A720MULC	HTECTE
	09/26/96	AC027	0.3	2	MBM	5H +38.0	A720MULC	HTECTE

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Row/Col	Year Examined	Reel	Voltage	CH	Ind. XTWD Desc.	Indication Location	Probe	Extent Tested
37 69								
	RPC 96	AH006						
	RPC 96	AH020	0.5	1	CMR	HTS +15.5	B720MRPC3C	HTS+4
	04/27/92	AH14C	5.1	4	MBM	HTS +15.3	B720MRPC3C	FBHHTS
							A720MULC	CTEHTS
38 60								
	RPC 96	AH020			RIC		B720MRPC3C	
	RPC 96	AH032	1.0	1	CMR	1H +42.4	B720MRPC3C	2H1H
	11/06/90	AH12	5.9	4	MBM	1H +42.5	A720MULC	CTE
39 26								
	RPC 96	AH022	0.8	1	CMR	1H +20.9	B720MRPC3C	2H1H
	10/01/93	AH005	1.0	2	MBM	1H +20.9	A720MULC	CTE
40 25								
	RPC 96	AH014					B720MRPC3C	HTS+4
	RPC 96	AH020	1.0	1	MBM	5H +0.7	B720MRPC3C	5H +2
	RPC 96	AH022	1.1	1	CMR	2H +6.9	B720MRPC3C	3H2H
	RPC 96	AH022	12.3	1	CMR	5H +0.9	B720MRPC3C	5H +2
	09/25/96	AH020	1.0	1	MBM	5H +0.7	B720MRPC3C	5H +2
	04/26/92	AH06C	5.4	4	MBM	2H +6.9	A720MULC	CTEHTS
40 32								
	RPC 93	AH022	0.9	1	MBM	4H +17.0	B720MRPC	5H 4H
	RPC 93	AH022					B720MRPC	HTS+2
	10/01/93	AH005	1.2	2	MBM	4H +17.6	A720MULC	CTE
	10/03/93	AH022	0.9	1	MBM	4H +17.0	B720MRPC	5H 4H
40 36								
	RPC 96	AH013					B720MRPC3C	HTS+4
	RPC 96	AH033	1.1	1	CMR	1H +34.8	B720MRPC3C	2H1H
	RPC 96	AH033	0.7	1	MBM	1H +41.6	B720MRPC3C	2H1H
	09/26/96	AH033	0.7	1	MBM	1H +41.6	B720MRPC3C	2H1H
	09/25/96	AC013	0.2	2	MBM	1H +34.7	A720MULC	HTECTE
40 42								
	RPC 96	AH012					B720MRPC3C	HTS+4
	RPC 96	AH023	1.0	1	CMR	3H +30.2	B720MRPC3C	4H3H
	10/02/93	AH007	0.5	2	MBM	3H +30.2	A720MULC	CTE
	09/25/96	AC015	0.4	2	MBM	3H +29.6	A720MULC	HTECTE
40 58								
	RPC 96	AH020		1	DMR	2H +13.6	B720MRPC3C	3H2H
	RPC 96	AH020		1	DMR	2H +16.4	B720MRPC3C	3H2H
	09/26/96	AC027	0.2	2	MBM	2H +13.3	A720MULC	HTECTE
	10/02/93	AH009	0.7	2	MBM	2H +13.6	A720MULC	CTE
	10/02/93	AH009	1.2	2	MBM	2H +16.4	A720MULC	CTE
	09/26/96	AC027	0.3	2	MBM	2H +16.0	A720MULC	HTECTE
40 63								
	RPC 96	AH020	2.1	1	CMR	4H +48.8	B720MRPC3C	5H4H
	10/02/93	AH010	0.9	2	MBM	4H +48.8	A720MULC	CTE
	09/25/96	AH026	0.8	2	MBM	4H +48.8	A720MULC	CTEHTS
41 28								
	RPC 96	AH033	0.6	1	CMR	FBH +14.4	B720MRPC3C	1HHTS
	09/24/96	AC010	0.3	2	MBM	FBH +14.6	A720MULC	HTECTE

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MBM Indications with related MRPC calls

Row/Col	Year Examined	Reel	Voltage	CH	Ind. %TWD Desc.	Indication Location	Probe	Extent Tested
41 48								
	RPC 96	AH012			RBD		B720MRPC3C	+4
	RPC 96	AH018					B720MRPC3C	HTS+4
	RPC 96	AH020	1.1	1	CMR	1H +45.3	B720MRPC3C	2H1H
	09/25/96	AC017	0.3	2	MBM	1H +46.3	A720MULC	HTECTE
	09/25/96	AC017	0.7	2	MBM	1H +45.1	A720MULC	HTECTE
	11/07/90	AH09	5.5	4	MBM	1H +45.3	A720MULC	CTE
41 58								
	RPC 93	AH021	1.3	1	MBM	2H +12.1	B720MRPC	3H 2H
	RPC 93	AH021					B720MRPC	HTS+2
	10/02/93	AH009	1.7	2	MBM	2H +12.5	A720MULC	CTE
	09/26/96	AC027	1.0	2	MBM	2H +11.6	A720MULC	HTECTE
	10/03/93	AH021	1.3	1	MBM	2H +12.1	B720MRPC	3H 2H
43 43								
	RPC 93	AH022	1.4	1	MBM	4H +43.0	B720MRPC	5H 4H
	RPC 93	AH022					B720MRPC	HTS+2
	10/03/93	AH022	1.4	1	MBM	4H +43.0	B720MRPC	5H 4H
	10/02/93	AH007	1.6	2	MBM	4H +43.3	A720MULC	CTE
	09/25/96	AC015	0.7	2	MBM	4H +42.4	A720MULC	HTECTE
43 50								
	RPC 96	AH012					B720MRPC3C	HTS+4
	RPC 96	AH020	1.0	1	CMR	5H +12.0	B720MRPC3C	6H5H
	09/25/96	AC017	0.4	2	MBM	5H +11.6	A720MULC	HTECTE
	10/02/93	AH008	1.1	2	MBM	5H +12.0	A720MULC	CTE
44 41								
	RPC 96	AH022	1.9	1	CMR	4H +49.8	B720MRPC3C	5H4H
	10/02/93	AH007	0.7	2	MBM	4H +49.8	A720MULC	CTE
	09/25/96	AC014	0.5	2	MBM	4H +49.5	A720MULC	HTECTE
44 49								
	RPC 96	AH012					B720MRPC3C	HTS+4
	RPC 96	AH020	1.7	1	CMR	3H +27.0	B720MRPC3C	4H3H
	10/02/93	AH008	1.5	2	MBM	3H +27.0	A720MULC	CTE
	09/25/96	AC017	0.6	2	MBM	3H +26.6	A720MULC	HTECTE
44 53								
	RPC 96	AH020	1.3	1	CMR	1H +51.4	B720MRPC3C	2H1H
	10/02/93	AH009	1.2	2	MBM	1H +49.8	A720MULC	CTE
	09/25/96	AC018	0.5	2	MBM	1H +49.3	A720MULC	HTECTE
45 42								
	RPC 96	AH023	0.9	1	CMR	3H +26.1	B720MRPC3C	4H3H
	04/26/92	AH05C	7.4	4	MBM	3H +26.1	A720MULC	CTE HTE
	09/25/96	AC015	0.4	2	MBM	3H +26.3	A720MULC	HTECTE

Number of Tubes: 141
Number of Indications: 278

Additional information may be found by reviewing the graphic tube-sheet maps found in the following sections. These include:

All tubes examined with Bobbin Probes - Hot Leg

All tubes examined with Bobbin Probes - Cold Leg

All tubes examined with MRPC Probes - Hot Leg (excluding Buff Marks and TTS program)

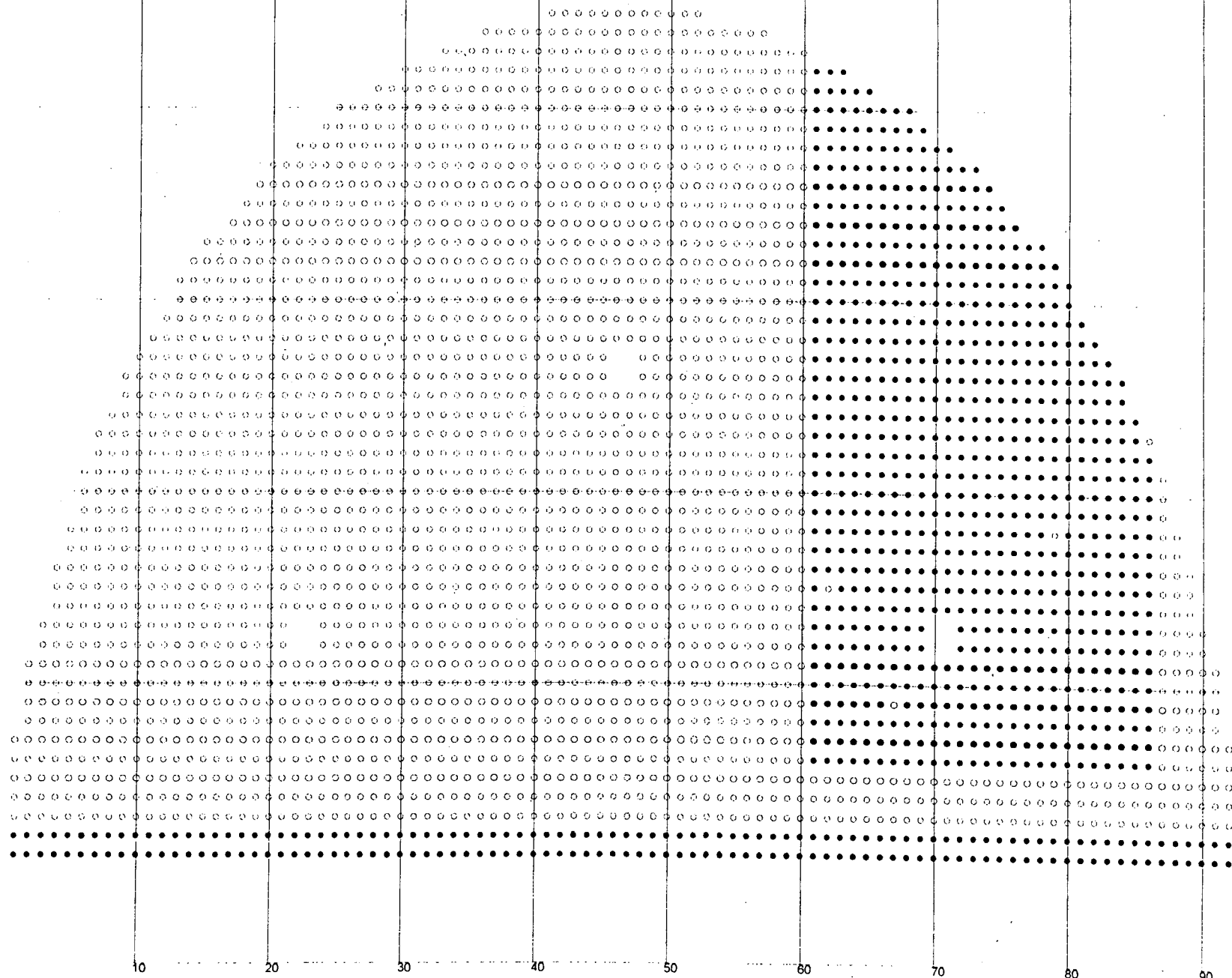
All tubes examined with MRPC Probe for Top of Tube Sheet (TTS) Exam

All tubes examined with MRPC Probes - Cold Leg

All tubes with % through-wall indications

All 1996 and 1993 Buff Mark MRPC inspections

ROW



COL

952

Tubes Inspected from the hot leg for Bobbin Probe

H.B. ROBINSON Unit 2
S/G #A 10/07/96
ABB-Combustion Engineering

2 Plugged

Applied Computer Resources, Inc

ROW

40

30

20

10

COL

10

20

30

40

50

60

70

80

90

2443

Tubes Inspected from the cold leg for Bobbin Probe

H.B. ROBINSON Unit 2
S/G #A 10/07/96
ABB-Combustion Engineering

2 Plugged

Applied Computer Resources, Inc.

ROW

40

30

20

10

COL

10

20

30

40

50

60

70

80

90

161

Tubes Inspected from the hot leg with MP/PC (not incl. TTS)

H.B. ROBINSON Unit 2
S/G #A 10/07/96
ABB-Combustion Engineering

2 Plugged

Applied Computer Resources, Inc.

ROW

40

30

20

10

COL

10

20

30

40

50

60

70

80

90

1286 Tubes Inspected with MRPC probe for TTS transition

H.B. ROBINSON Unit 2
S/G #A 10/07/96
ABB-Combustion Engineering

Applied Computer Resources, Inc

2 Plugged

ROW

40

30

20

10

COL

6

Tubes Inspected from the cold leg with MRPC

H.B. ROBINSON Unit 2
S/G #A 10/07/96
ABB-Combustion Engineering

Applied Computer Resources, Inc.

2 Plugged

ROW

40

30

20

10

90

80

70

60

50

40

30

20

10

COL

Tubes with % Through Wall indications 0-15%
Tubes with % Through Wall indications 20-38%

11
14

H.B. ROBINSON Unit 2
S/G #A 10/07/96

ABB-Combustion Engineering

Applied Computer Resources, Inc.

2 Plugged

ROW

40

30

20

10

COL

81
38

MBM indication tubes tested with MRPC (original plan)
MBM indication tubes tested with MRPC (RFO-17 MBM's)

H.B. ROBINSON Unit 2
S/G #A 10/07/96
ABB-Combustion Engineering

Applied Computer Resources, Inc.

2 Plugged

