United States Nuclear Regulatory Commission Enclosure 1 to Serial: RNP-RA/95-0163



WESTINGHOUSE

WESDYNE INTERNATIONAL

INSERVICE INSPECTION REPORT

OF THE

H.B.ROBINSON UNIT 2

FOR

CAROLINA POWER AND LIGHT COMPANY H.B.ROBINSON PLANT 3581 WEST ENTRANCE ROAD HARTSVILLE, SOUTH CAROLINA 29551

9509220290 950915 PDR ADOCK 05000261

PDR

#9509220281

INSERVICE INSPECTION REPORT INTERVAL 3 PERIOD 1

PERIOD 1 OUTAGE 3

FOR THE H.B.ROBINSON UNIT 2 NUCLEAR GENERATING PLANT

FOR:

CAROLINA POWER AND LIGHT COMPANY H.B.ROBINSON PLANT 3581 W ENTRANCE RD. HARTSVILLE, SC 29551

REPORT DATE AUGUST 1995

COMMERCIAL SERVICE DATE: MARCH 1971

OPERATING CAPACITY: 700 MWe

PERFORMED BY: WESDYNE INTERNATIONAL WESTMORELAND INDUSTRIAL PARK III 6011 ENTERPRISE DRIVE 15632 INDEX

12

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ISI CERTIFICATION	<u>A</u>
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APPENDIX II - MANDATORY

Form NIS-1

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner <u>CAROLINA POWER & LIGHT COMPANY, 411 FAYETTEVILLE ST., RALEIGH, NC 27602</u> (Name and Address of Owner)

2. Plant H.B.ROBINSON, 3581 W ENTRANCE RD HARTSVILLE SC 29551

(Name and Address of Plant)

5. Commercial Service Date <u>3/7/71</u> 6. National Board Number for Unit <u>N/A</u>

7. Components Inspected

Manufacturer or Installer State or National Manufacturer Component or Board No. Appurtenance Serial No. Province No. or Installer CPL-RCPCPC3 N/A N/A R.C. PUMP C WESTINGHOUSE NPT S/N 93732 STEAM GENERATOR A WESTINGHOUSE CPL-RCPCSG1 N/A NPT S/N 93733 CPL-RCPCSG2 N/A STEAM GENERATOR B WESTINGHOUSE CPL-RCPCSG3 N/A NPT S/N 93734 WESTINGHOUSE STEAM GENERATOR C

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ 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.

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

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-1 (Back)

8. Examination Dates 04/29/95 to 06/21/95 9. Inspection Interval from 02/19/92 to 02/19/2002

10. Applicable Editions of Section XI ______ Addenda _____ NONE

11. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. SEE TABS B, C AND E OF THE 1995 ISI REPORT

12. Abstract of Conditions Noted. SEE TABS B, C AND E OF THE 1995 REPORT

13. Abstract of Corrective Measures Recommended and Taken. SEE TABS B AND F OF THE 1995 ISI 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.

Corti	ficate of Authorization No. (if appl	icable) N//	A Expiration Date <u>N/A</u>	
Gerti	Theate of Author Patrick not (11 opp			
Date	7 26 95 19 95 Signed	CP&L	By V-konnes Dfaul	
Date		Owner	_ ; ; ;	

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler ___ and inspected the components described in this Owner's Report during the period 2 - 7 - 92to 7 - 7 - 92, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective

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 the 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.

Ramoy & Valladones	Commissions			TN971			
Inspector's Signature		National	Board,	State,	Province,	and	Endorsement

Date 7-26 19_95

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Page 2 of 56

APPENDIX II - MANDATORY

Form NIS-2

FORM NIS-2	OWNER'S	REPORT	FOR	REPAIRS	OR	REPLACEMENTS
101011110 2	••••••					

As Required by the Provisions of the ASME Code Section XI

·1	l. Owne	er <u>CAROLINA POW</u>	ER & LIGHT COMP/ Name	ANY	Date _	5/	23/95	
• •	<u>411</u>	FAYETTEVILLE ST. Addu	•	7602	Sheet	of	1	
÷2	2. Pla	ant <u>H.B.ROBINSON</u>	Name		Unit _	HBR2		
	358	31 W ENTRANCE RD Addu	HARTSVILLE SC 29 ress	9551		Mod 1164 Organizati	on PO NO., Job	No., etc.
3	3. Worl	<pre> Performed by </pre>	Becon Name			·	Stamp <u>N/A</u>	
.*	* <u>P.O</u>	<u>. Box 2166, Houst</u> Add	<u>on, TX. 77252-</u> ress	2166				
·					esidual Heat Remova			
	(b)	Applicable Edit	ion of Section 2	XI Utilized	<u>67</u> Edition, <u>N</u>	placements	19 <u>86</u>	Lode Lase
	6. Iden Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	Restraint /supports	Ebasco	N/A	N/A	N/A	1971	Replaced	N/A
4	Restraint /supports	Becon	N/A	N/A	N/A	1995	Replacement	N/A
• •								

7.

Description of Work Install, replace, and/or modify Code Class 1 and 2 supports and restraints.

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

Other [] Pressure N/A psi Test Temp. N/A $^{\circ}$ F \boxtimes 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.

SECTION XI - DIVISION 1

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1986 Edition

Form NIS-2

FORM NIS-2 (Back)

9. Remarks <u>See Mod 1164 for installation, replacement and/or modification of pipe supports and</u> Applicable Manufacturer's Data Reports to be attached

restraints on Code Class 1 and 2, Seismic Category 1 Systems that have been determined to be insufficient when compared to the design criteria.

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 StampN/A
Certificate of Authorization No K/A Expiration Date N/A
Signed biller SR.SPECIALIST Date 7/26, 1995 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
\cdot I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure
Vessel Inspectors and the State or Province ofTENNESSEE 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 $2-7-94$ to $7-7-95$, 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.
Common C Ualladando Commissions TN 971 Inspector's Signature National Board, State, Province, and Endorsements
Date 7-26, 19 95

Page 3 of 56

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APPENDIX II - MANDATORY

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Form NIS-2

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

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As Required by the Provisions of the ASME Code Section XI

			•	,					
1		Owner	CAROLINA POW	R & LIGHT COMPA	NY ·	Date	5/3	23/95	
				Name					
, ris		411 F	AYETTEVILLE ST.	, RALEIGH, NC 27	602	Sheet	<u>1</u> of	1	
		<u></u>	Addr						
2		Plan	t H.B.ROBINSON			Unit	HBR2		
-	•	i tu	· · · · · · · · · · · · · · · · · · ·	Name					
		75.04	U SUTRANCE DD		551	F	SR 95-001	38	
		_ 3581	W ENTRANCE RD					n PO NO., Job	No., etc.
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			•			
3	•	Work	Performed by	Becon		Туре Со	ode Symbol	Stamp <u>N/A</u>	
				Name		Author	ization No	N/A	
						Author		•	<u> </u>
	. •	P.0.	Box 2166, Houst	on, TX. 77252-2	2166	- Expirat	tion Date	N/A	
				ress					
					_				
-4	••	Iden	ification of Sy	stem <u>reedwate</u>					
5	5.	(a)	Applicable Const	ruction Code <u>B3</u>	<u>1.1 19 </u>	<u>67</u> Edition, <u>N</u>	<u>A</u> Ad	denda, <u>N/A</u>	_ Code Case
t .,			-						
		(b)	Applicable Edit	ion of Section)	(I Utilized	for Repairs or Rep	Diacements	1900	
é	5.	Iden	tification of Co	mponents Repair	ed or Replac	ed and Replacement	Componen	ts	
									ASME
		e of	Name of	Manufacturer	National	Other Identification	Year Built	Repaired, Replaced,	Code
1	Compo	onent	Manufacturer	Serial No.	Board No.	ruentification	Built	or	Stamped
	1							Poplacoment	(Yes or

	Component	Manufacturer	Serial No.	Board No.	Identification	Built	Replaced, or Replacement	Code Stamped (Yes or No)
,	Reinforc. Saddle	Ebasco	N/A	N/A	N/A	1971	Replaced .	N/A
	Reinforc. Pad-Plate	Becon	N/A	N/A	N/A	1995	Replacement	N/A
5.47ar								

°≽7.

Description of Work <u>Replacement of pipe saddle reinforcement with pipe pad-plate reinforcement.</u>

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

Other [] Pressure N/A psi Test Temp. N/A $^{\circ}$ F \boxtimes 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.

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

Form NIS-2

9. Remarks <u>See ESR 95-00138 for replacement of the pipe saddle with a pad-plate pipe reinforcement</u> 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 StampN/A
Certificate of Authorization No. <u>N/A</u> Signed Letter SR.SPECIALIST Date <u>7/26</u> , 19 <u>75</u> Owner or Owner's Designee, Title
Owner of Owner's Designed, Frede
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 TENNESSEE 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 $2-7-94$ to $7-7-95$, 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.
aumon Challadance commissions
Inspector's Signature National Board, State, Province, and Endorsements
Date 7/24 , 19 95

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APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

		CAROLINA POW	ER & LIGHT COMPA	NY	Date _		7/20/95	
	Owner	CAROLINA TOW						
			Name		•			
	<u>411 F</u>		<u>, RALEIGH, NC 27</u> ress	7602	Sheet	of	1	
2.	Plan	t H.B.ROBINSON			Unit _	HBR2		
			Name		·			
	3581	W ENTRANCE RD	HARTSVILLE SC 2	29551			ID CR #95-01207	
			ress		Repair O	rganizati	on PO NO., Job	No., etc
5.	Work	Performed by MA	INTENANCE		Type C	ode Symbol	Stamp <u>N/A</u>	
	HOIK	1 ci i ci ilica 27 <u>-180</u>	Name					
					Author	ization No	▶. <u>► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ►</u>	<u></u>
'i	SAME	AS 2 ABOVE	· · · · · · · · · · · · · · · · · · ·		Expira	tion Date	N/A	
		Add	ress					
÷.	Ident	ification of Sy	stem	RCS	(CLASS 1		
4.	Ident							
	Ident (a)				67 Edition,			
	(a)	Applicable Cons	truction Code <u>B</u>	<u>31,1</u> 19_		N/AAc	ldenda, <u>N/A</u>	
5.	(a) , (b)	Applicable Cons Applicable Edit	truction Code <u>B</u>	<u>31.1</u> 19_ XI Utilized	67 Edition,	<u>N/A</u> Ac	ldenda, <u>N/A</u> 3 19 <u>86</u>	
5.	(a) , (b)	Applicable Cons Applicable Edit	truction Code <u>B</u>	<u>31.1</u> 19_ XI Utilized ed or Replac	<u>67</u> Edition, for Repairs or Rep ed and Replacemen	<u>N/A</u> Ac olacements t Componer	ldenda, <u>N/A</u> s 19 <u>86</u> nts	Code (
5. 5. Nam	(a) (b) Ident	Applicable Cons Applicable Edit tification of Cc Name of	truction Code <u>B</u> ion of Section mponents Repair Manufacturer	31.1 19_ XI Utilized ed or Replac National	<u>67</u> Edition, for Repairs or Rep red and Replacemen Other	N/A Ac olacements t Componer Year	ldenda, <u>N/A</u> s 19 <u>86</u> nts Repaired,	_ Code (
5. 5. Nam	(a) (b) Ident	Applicable Cons Applicable Edit tification of Cc	truction Code <u>B</u> ion of Section	31.1 19 XI Utilized ed or Replac National Board	<u>67</u> Edition, for Repairs or Rep ed and Replacemen	<u>N/A</u> Ac olacements t Componer	ldenda, <u>N/A</u> s 19 <u>86</u> nts	Code (ASME Code
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5. 5.	(a) (b) Ident	Applicable Cons Applicable Edit tification of Cc Name of	truction Code <u>B</u> ion of Section mponents Repair Manufacturer	31.1 19 XI Utilized ed or Replac National Board	<u>67</u> Edition, for Repairs or Rep red and Replacemen Other	N/A Ac olacements t Componer 'Year Built	ddenda, <u>N/A</u> 19 <u>86</u> nts Repaired, Replaced, or	Code ASME Code Stampe
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S. Nam Comp	(a) (b) Iden ne of ponent	Applicable Cons Applicable Edit tification of Cc Name of Manufacturer	ion of Section mponents Repair Manufacturer Serial No.	31.1 19 XI Utilized ed or Replac National Board No.	67 Edition, for Repairs or Rep eed and Replacemen Other Identification	N/A Ac olacements t Componer Year Built	ddenda, <u>N/A</u> s 19 <u>86</u> nts Repaired, Replaced, or Replacement	_ Code (ASME Code Stampe (Yes o No)
S. Nam Comp	(a) (b) Iden me of ponent	Applicable Cons Applicable Edit tification of Cc Name of Manufacturer WESTINGHOUSE	ion of Section mponents Repair Manufacturer Serial No. N/A	31.1 19 XI Utilized ed or Replac National Board No. N/A	67 Edition, for Repairs or Rep eed and Replacemen Other Identification STUDS & NUTS	N/A Ac olacements t Componer Year Built 1971	denda, <u>N/A</u> 19 <u>86</u> nts Repaired, Replaced, or Replacement REPLACED	_ Code (ASME Code Stampe (Yes o No) NO
5. Nam Comp	(a) (b) Iden me of ponent	Applicable Cons Applicable Edit tification of Cc Name of Manufacturer WESTINGHOUSE	ion of Section mponents Repair Manufacturer Serial No. N/A	31.1 19 XI Utilized ed or Replac National Board No. N/A	67 Edition, for Repairs or Rep eed and Replacemen Other Identification STUDS & NUTS	N/A Ac olacements t Componer Year Built 1971	denda, <u>N/A</u> 19 <u>86</u> nts Repaired, Replaced, or Replacement REPLACED	_ Code (ASME Code Stampe (Yes o No) NO
5. Nam Comp	(a) (b) Iden me of ponent	Applicable Cons Applicable Edit tification of Cc Name of Manufacturer WESTINGHOUSE	ion of Section mponents Repair Manufacturer Serial No. N/A	31.1 19 XI Utilized ed or Replac National Board No. N/A	67 Edition, for Repairs or Rep eed and Replacemen Other Identification STUDS & NUTS	N/A Ac olacements t Componer Year Built 1971	denda, <u>N/A</u> 19 <u>86</u> nts Repaired, Replaced, or Replacement REPLACED	_ Code (ASME Code Stampe (Yes o No) NO

^{- 5} 8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X]

psi

ring in coodie

VT-2

Other [] Pressure 2240

Test Temp. 547 °F

SECTION XI - DIVISION 1

1986 Edition

Form NIS-2

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FORM NIS-2 (Back)

	Appli	cable Manufact	urer's Data Report	s to be attached	
·				······································	
. .					
		CERTIFICATE	OF COMPLIANCE		
We certify	y that the statement	s made in the	report are correct	and this <u>REPLACEMENT</u>	
	, 			repair or	replacement
conforms to the ru	les of the ASME Cod	le, Section XI.			
	Stamp			<u> </u>	
Certificate of Aut	horization No			_ Expiration Date	
Signed Uchar			SR.SPECIALIST	_ Date7/20	, 19 <u>_95</u>
Owner	r or Owner's Designe	e, litte			
	CE	RTIFICATE OF I	NSERVICE INSPECTIO	N	
• \$	• ·				
I, the undersigned	d, holding a valid c	commission issu	ed by the National	Board of Boiler and	Pressure
Vessel Inspectors	and the State or Pr	ovince of	TENNESSEE	a	nd employed b
THE HARTFORD STEA	AM BOILER INSP.& INS	<u>. CO.</u> of <u>'</u>	ARTFORD, CONNECTIO	ha	ve inspected
the components des	scribed in this Owne	er's Report dur	ing the period	2.7-94	to
				knowledge and belief,	
performed examinat	tions and taken corr	ective measure	es described in thi	s Owner's Report in a	ccordance wit
the requirements of	of the ASME Code, Se	ection XI.			
· •					
				akes any warranty, exp	
				ed in this Owner's Rep	
Furthermore, neith	her the Inspector no	or his employer	r shall be liable '	n any manner for any	personal
	y damage or a loss o	of any kind ar	ising from or conne	ected with this inspec	tion.
injury or property	A.			. /	
injury or property	1 M				
Camon 60	allaques	Commissio	ons TN97	State Province and	Endorsements
Camon 60	<u>allaques</u> r's Signature	Commissio	ons $\frac{7797}{National Board}$, State, Province, and	Endorsements
amon 60	<i>Jalladaues</i> r's Signature		ns TN 97 National Board	, State, Province, and	Endorsements

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		As	Required by the	Provisions	of the ASME Code	Section XI		.*
1.	Owner	CAROLINA POW	ER & LIGHT COMPA	<u>NY</u>	Date _	7/10/95		
	<u>411 F</u>		, RALEIGH, NC 27 Tess	602	Sheet	of	1	
2.	Plan	t <u>H.B.ROBINSON</u>	Name		Unit _	HBR2	<u> </u>	<u></u>
	3581		HARTSVILLE SC 2	29551	Repair C		94-APIS1 on PO NO., Job	No., et
3.	Work	Performed by <u>MA</u>	INTENANCE Name		Туре С	ode Symbo	l Stamp <u>N/A</u>	
							0N/A	
	SAME	AS 2 ABOVE Add	ress		` Expira	tion Date	N/A	~
4			mponents Repair		for Repairs or Re ced and Replacemen			CASE' N4
6. Name Compo		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Cod Stamp (Yes
Name Compo	nent			Board			Replaced, or	ASM Cod Stamp (Yes No) NO
Name Compo	inent IG	Manufacturer	Serial No.	Board No.	Identification	Built	Replaced, or Replacement	Cod Stamp (Yes No)

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Form NIS-2		SECTION XI - DIVI	ISION 1			1986 Editio
î		FORM NIS-2 (Ba	ack)			
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Remarks	SEE WR/JO 94-APIS1 TURN	IOVER PACKAGE			,	· .
		ble Manufacturer's	Data Reports	to be at	tached	
	REFERENCE CODE CASE N41	6-1			,	
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	· · · · · · · · · · · · · · · · · · ·	,				
· .		CERTIFICATE OF COM	IPLIANCE		•	·
We cer	tify that the statements	made in the report	are correct	and this	REPLACEME	NT
	,					replacement
conforms to th	e rules of the ASME Code,	Section XI.	•	•	•	
Type Code Symb	ol Stamp <u>N</u>	/A			· · · · · · · · · · · · · · · · · · ·	
Certificate of	Apithorization No. 1 N	/A	· · · · · · · · · · · · · · · · · · ·	Expirat	ion Date	N/A
Signed fin	Lad Dutebr	SR.SPE	CIALIST	Date	7/10	, 19 <u>_95</u>
<u> </u>	wner or Owner's Designee,	Title				
I, the undersi	gned, holding a valid com	mission issued by				
Vessel Inspect	ors and the State or Prov	ince ofTENNES	SEE		ar	nd employed by
THE HARTFORD	STEAM BOILER INSP.& INS.	CO. of HARTFOR	D, CONNECTICU	<u>T</u>		ve inspected
the components	described in this Owner' $7 - 95$, and	s Report during the state that to the				
performed exam	inations and taken correc	tive measures desc	ribed in this	Owner's	Report in ac	cordance with:
the requiremen	ts of the ASME Code, Sect	ion XI.				
•						
By signing thi	s certificate neither the	Inspectors or his	employer mak	es any wa	rranty, expr	ressed or
implied, conce	rning the examinations an	d corrective measu	res described	l in this	Owner's Repo	ort.
Furthermore, n	either the Inspector nor	his employer shall	be liable in	any manr	er for any p	personal
	erty damage or a loss of					
Q.	DIL DA 1		TU 97	/		
Inspe	ctor's Signature	2_ Commissions Nat	ional Board,	State, Pr	ovince, and	Endorsements
Date 7	-26, 19 _	95	- - -			

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APPENDIX II - MANDATORY

Form NIS-2

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

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As Required by the Provisions of the ASME Code Section XI

1	. Owner	CAROLINA POW	ER & LIGHT COMP/ Name	ANY	Date _	7/7/95		
	411	FAYETTEVILLE ST. Add	, RALEIGH, NC 2 ress	7602	Sheet	<u> 1 </u> of		
2	• Plai	ht H.B.ROBINSON	Name		Unit_	HBR2	, <u>, , , , , , , , , , , , , , , , </u>	
1.12	_358	1 W ENTRANCE RD Add		29551			and ESR 95-0073 on PO NO., Job	
3	. Work	Performed by <u>Ma</u>	intenance Name		Туре С	ode Symbol	Stamp <u>N/A</u>	
			, nume		Author	ization No	DN/A	
	•	Same As 2 Abov Add	ress		Expira	tion Date	N/A	
4 5 6	. (a) (b)	Applicable Edit	ruction Code <u>B3</u>	1.1 19' KI Utilized	<u>86</u> Edition, for Repairs or Re red and Replacemen	placements	19 <u>86</u> CODE CAS	_
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	Piping	Ebasco	N/A	N/A	30" N. Header	1971	Replaced	No
	Piping	Maintenance	N/A	N/A	SA36 Cap	1995	Replacement	No
×								

.7.

Description of Work Covered a thru wall hole with an SA36 Cap and pipe plug.

8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [x]

Other [] Pressure 41 psi Test Temp. Ambient[°] F

Form NIS-2

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

9. R

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Remarks See WR/JO 95-AIYW1 and ESR 95-00738 Packages

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 <u>replacement</u> repair or replacement
conforms to the rules of the ASME Code, Section XI.
Type Code Symbol StampN/A
Certificate of Authorization No. N/A Expiration Date N/A Signed March March SR.SPECIALIST Date 7/7 , 19 <u>95</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>TENNESSEE</u> and employed by
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT have inspected
the components described in this Owner's Report during the period $2-7-94$ to $7-7-95$, 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.
Camon Ciclidicians Commissions 70971 Inspector's Signature National Board, State, Province, and Endorsements
Date 7-26 19 95

Page Tot 56

APPENDIX II - MANDATORY

Form NIS-2

FORM NIS-2 OWNER'S REPO	ORT FOR	REPAIRS	OR	REPLACEMENTS
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 $||_{\mathcal{L}_{p}} = \sum_{i=1}^{n} ||_{\mathcal{L}_{p}} = \sum_{i=1}^{n}$

As Required by the Provisions of the ASME Code Section XI

1.	Owner	CAROLINA POW	ER & LIGHT COMPA	<u>NY</u>	Date _	7/10/95	5	
	<u>411 F</u>		Name <u>, RALEIGH, NC 27</u> ress	602	Sheet	of	1	
2.	Plar	t _H.B.ROBINSON	Name	<u> </u>	Unit _	HBR2		
	_ 3581		HARTSVILLE SC 2	29551	Repair C		94-AGRF1 on PO NO., Job	No., etc.
3.	Work	Performed by	ABB CENO Name				l Stamp <u>N/A</u>	
1 	<u>1201</u>		WAY, CHATTANOOGA	A, TN 37402			D. <u>N/A</u> N/A	
4. 5.	(a)	Applicable Const		<u>31.1</u> 19	67_Edition,		:	
6.			•		for Repairs or Re			CASE N416-
Name Compo	of	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Öther Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CVC-3	12B	WESTINGHOUSE	. N/A	N/A	P/N 739-997-16	1971	REPLACED	NO
CVC-3	12B	WESTINGHOUSE	N/A	N/A	P/N 739-997-16	1995	REPLACEMENT	NO
-								

ະ ຼ7.

Description of Work REMOVAL AND REPLACEMENT OF SEAL CAP ON CVC-312B TO FACILITATE EXAMINATION.

8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X]

Other [] Pressure 2235 psi Test Temp. 542 °F

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

Remarks ______SEE_WR/JO_94-AGRF1_TURNOVER_PACKAGE____ 9.

Form NIS-2

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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 <u>REPLACEMENT</u> repair or replacement
	conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
11	Certificate of Authorization No. <u>N/A</u> Signed <u>Signed March 11 Cover</u> SR.SPECIALIST Date <u>7/10</u> , 19 <u>95</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
51	/essel Inspectors and the State or Province of TENNESSEE and employed b
	THE HARTFORD STEAM BOILER INSP.& INS. CO of HARTFORD, CONNECTICUT have inspected
1 1	the components described in this Owner's Report during the period $2 - 7 - 94$ to $7 - 7 - 95$, 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 wit
1	the requirements of the ASME Code, Section XI.
	By signing this certificate neither the Inspectors or his employer makes any warranty, expressed or
1	implied, concerning the examinations and corrective measures described in this Owner's Report.
1	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.
C	Inspector's Signature Commissions
	Date 7-26 19 95

Page 8 of 56

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APPENDIX II - MANDATORY

Form NIS-2

FORM NIS-2	OWNER'S	REPORT	FOR	REPAIRS	OR	REPLACEMENTS
TOKIN MIS L	OWNER O	NEI ORI				

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As Required by the Provisions of the ASME Code Section XI

	Owner	CARULINA PUW	ER & LIGHT COMPA Name	<u>NY</u>	Date _		7/17/95	<u> </u>
	<u>411 f</u>		, RALEIGH, NC 27 ress -	602	Sheet	1_ of	1	
	Plar	T. H.B.ROBINSON	Name		Unit _	HBR2		
	3581		HARTSVILLE SC 2	29551	Repair C		94-AGRB1 on PO NO., Job	No., etc
	Work	Performed by <u>MA</u>	INTENANCE		Туре С	ode Symbo	l Stamp <u>N/A</u>	
	,		Name		Author	ization N	0N/A	
	SAME	E AS 2 ABOVE Add	ress	¹	Expira	ition Date	N/A	
	Ident			INSTRUMEN	T AIR	CLASS 2	2	
	(a)	Applicable Const	ruction Code <u>B3</u>	1.1 19	67 Edition.	N/A AG	denda, N/A	Code
		-					÷	
	(b)	Applicable Edit	ion of Section)	(I Utilized	for Repairs or Re	placements	s 19 <u>86</u> CODE	
	(b)	Applicable Edit	ion of Section)	(I Utilized		placements t Componer Year Built	s 19 <u>86</u> CODE	CASE N41 ASME Code Stampe
	(b) Ident e of onent	Applicable Edit tification of Co Name of	ion of Section) omponents Repair Manufacturer	(I Utilized ed or Replac National Board	for Repairs or Re ed and Replacemen Other	placements t Componer Year	s 19 <u>86</u> CODE nts Repaired, Replaced, or	CASE N41 ASME Code Stampe (Yes o
Comp IA-5	(b) Ident e of onent 25	Applicable Edit tification of Co Name of Manufacturer	ion of Section) omponents Repair Manufacturer Serial No.	(I Utilized ed or Replac National Board No.	for Repairs or Re ed and Replacemen Other Identification	placements t Componer Year Built	a 19 <u>86</u> CODE nts Repaired, Replaced, or Replacement	CASE N41 ASME Code Stampe (Yes o No)
Comp	(b) Ident e of onent 25	Applicable Edit tification of Co Name of Manufacturer EBASCO	Manufacturer Serial No.	(I Utilized ed or Replac National Board No. N/A	for Repairs or Re ed and Replacemen Other Identification N/A	placements t Componer Year Built 1971	Repaired, Replaced, or Replacement REPLACED	CASE N41 ASME Code Stampe (Yes of No) NO

8.

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. Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X] VT-2 Other [] Pressure N/A psi Test Temp. N/A °F

SECTION XI - DIVISION 1

1986 Edition

Form NIS-2

ميطني الإاجاسي

FORM NIS-2 (Back)

9. Remarks_SEE WR/JO 94-AGRB1 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 <u>REPLACEMENT</u>
repair or replacement
conforms to the rules of the ASME Code, Section XI.
Type Code Symbol StampN/A
#Certificate of Authorization No. / N/A Expiration Date N/A
Signed burned Willer SR. SPECIALIST Date 7/17, 1995
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
• • • • • • • • • • • • • • • • • • •
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure
Vessel Inspectors and the State or Province ofTENNESSEE and employed by
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT have inspected
the components described in this Owner's Report during the period $2-7-94$ to
7 - 7 - 95, 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.
1 pilmí
Common (1 alladance commissions
Inspector's Signature National Board, State, Province, and Endorsements
Date $7-26$, 19 95

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1986 E	dition	APPENDIX II -	MANDATORY		Form NIS-2
	FORM NIS-2 OW	NER'S REPORT FOR	REPAIRS OR REPLACEME	NTS	
	As Required by	the Provisions o	of the ASME Code Secti	on XI	ś
			Data	7/17/05	
··1.	Owner <u>CAROLINA POWER & LIGHT C</u> Name	JMPANT		7/17/95	· · · · · · · · · · · · · · · · · · ·
*	411 FAYETTEVILLE ST., RALEIGH, N Address	<u>c 27602</u>	Sheet1	of	
2.	Plant <u>H.B.ROBINSON</u> Name	<u></u>	Unit <u>HB</u>	IR2	
xî	3581 W ENTRANCE RD HARTSVILLE	sc 29551	WR	JO 94-ASEM1	
	Address		Repair Organ	ization PO NO., Job	No., etc.
3.	Work Performed by <u>MAINTENANCE</u> Name	<u></u>	Type Code S	Symbol Stamp <u>N/</u>	A
т., ,		· .	Authorizati	on NoN/	Α
	SAME AS 2 ABOVE	<u> </u>	Expiration	Date <u>N/</u>	Α
12	Address			. :	
4.	Identification of System	CVCS	CLASS 3		

(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____

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)
· · · .	BA PMP A	EBASCO	N/A	N/A	STUDS	1971	REPLACED	NO
vs ·	BA PMP A	MAINTENANCE	N/A	N/A	STUDS	1995	REPLACEMENT	NO
43								

7.

6.

Description of Work REPLACED STUDS AND NUTS DUE TO CORROSION.

8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

N/A °F Other [X] Pressure N/A Test Temp. psi EXTERNAL LEAKAGE CHECK

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. 7 x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

9. Remarks SEE WR/JO 94-ASEM1 TURNOVER PACKAGE.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE	÷
We certify that the statements made in the report are correct	t and this <u>REPLACEMENT</u> repair or replacement
conforms to the rules of the ASME Code, Section XI.	с.
Type Code Symbol StampN/A	
Certificate of Authorization No./ <u>N/A</u> Signed <u>SR.SPECIALIST</u> Owner or Owner's Designee, Title	Expiration Date <u>N/A</u> Date <u>7/17</u> , 19 <u>95</u>
CERTIFICATE OF INSERVICE INSPECTIO	
Vessel Inspectors and the State or Province of <u>TENNESSEE</u>	
THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD, CONNECTION	
the components described in this Owner's Report during the period, $7 - 7 - 95$, and state that to the best of my performed examinations and taken corrective measures described in the	2 - 7 - 94 to knowledge and belief, the Owner has
the components described in this Owner's Report during the period	2-7-94 to knowledge and belief, the Owner has is Owner's Report in accordance with akes any warranty, expressed or
the components described in this Owner's Report during the period, $7 - 7 - 95$, and state that to the best of my performed examinations and taken corrective measures described in the the requirements of the ASME Code, Section XI.	2-7-94 to knowledge and belief, the Owner has is Owner's Report in accordance with akes any warranty, expressed or
the components described in this Owner's Report during the period	2-7-94 to knowledge and belief, the Owner has is Owner's Report in accordance with akes any warranty, expressed or ed in this Owner's Report. in any manner for any personal
the components described in this Owner's Report during the period	2-7-94 to knowledge and belief, the Owner has is Owner's Report in accordance with akes any warranty, expressed or ed in this Owner's Report. in any manner for any personal

Page 10 of 56

APPENDIX II - MANDATORY

Form NIS-2

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

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As Required by the Provisions of the ASME Code Section XI

	Owner	CAROLINA POW	ER & LIGHT COMPA		Date _		1/11/3	
			Name					
	<u>411 F</u>	AYETTEVILLE ST.		7602	Sheet	1 of	1	
		Addr	ess			1002		
2.	Plan	t H.B.ROBINSON	Name	<u> </u>	Unit _	HBKZ		
	ŕ		Name		1	•		
	3581	W ENTRANCE RD		29551			04-ASEI1	No etc
		Addı	ress		кератг С	rganizatio	511 PO NO., 300 1	NO., CCC
3.	Work	Performed by <u>MA</u>	INTENANCE		Туре С	ode Symbol	. Stamp <u>N/A</u>	
			Name		Author	ization No	. <u>N/A</u>	
				ا م				
	SAME	AS 2 ABOVE	ress		Expira	tion Date	N/A	
			•	· rvrs	CLASS 3			
4.	Ident	ification of Sy	stem	0100				
						N/A Ad	ldenda, N/A	_ Code
4. 5.	(a)	Applicable Const	ruction Code <u>B3</u>	<u>1.1</u> 19_	<u>67</u> Edition,			Code
	(a)	Applicable Const	ruction Code <u>B3</u>	<u>1.1</u> 19_				Code
5.	(a) (b)	Applicable Const Applicable Edit	ruction Code <u>B3</u>	<u>1.1</u> 19 _ XI Utilized	67 Edition,	placements	19 <u>86</u>	Code (
5. 6.	(a) (b) Ident	Applicable Const Applicable Edit tification of Co	ruction Code <u>B3</u> ion of Section i mponents Repair	1.1 19 _ XI Utilized ed or Replac	67 Edition, for Repairs or Re ed and Replacemen	placements t Componen	19 <u>86</u> hts	
5. 6. Na	(a) (b) Ident	Applicable Const Applicable Edit tification of Co Name of	ruction Code <u>B3</u> ion of Section mponents Repair Manufacturer	<u>1.1</u> 19 _ XI Utilized	67 Edition,	placements	19 <u>86</u>	ASME
5. 6. Na	(a) (b) Ident	Applicable Const Applicable Edit tification of Co	ruction Code <u>B3</u> ion of Section i mponents Repair	1.1 19 _ XI Utilized ed or Replac National	<u>67</u> Edition, for Repairs or Re red and Replacemen Other	placements t Componen Year	ts Repaired, Replaced, or	ASME Code Stampe
5. 6. Na	(a) (b) Ident	Applicable Const Applicable Edit tification of Co Name of	ruction Code <u>B3</u> ion of Section mponents Repair Manufacturer	1.1 19 _ XI Utilized ed or Replac National Board	<u>67</u> Edition, for Repairs or Re red and Replacemen Other	placements t Componen Year	19 <u>86</u> nts Repaired, Replaced,	ASME Code Stampe (Yes o
5. 6. Na Com	(a) (b) Ident ame of aponent	Applicable Const Applicable Edit tification of Co Name of Manufacturer	ruction Code <u>B3</u> ion of Section mponents Repair Manufacturer Serial No.	1.1 19 _ XI Utilized ed or Replac National Board No.	67 Edition, for Repairs or Re eed and Replacemen Other Identification	placements t Componen Year Built	19 <u>86</u> Repaired, Replaced, or Replacement	ASME Code Stampe (Yes o No)
5. 6. Na Com	(a) (b) Ident	Applicable Const Applicable Edit tification of Co Name of	ruction Code <u>B3</u> ion of Section mponents Repair Manufacturer	1.1 19 _ XI Utilized ed or Replac National Board No.	<u>67</u> Edition, for Repairs or Re red and Replacemen Other	placements t Componen Year Built	19 <u>86</u> Repaired, Replaced, or Replacement REPLACED	ASME Code Stampe (Yes o No) NO
5. 6. Com	(a) (b) Ident ame of aponent	Applicable Const Applicable Edit tification of Co Name of Manufacturer	ruction Code <u>B3</u> ion of Section mponents Repair Manufacturer Serial No.	1.1 19 _ XI Utilized ed or Replac National Board No.	67 Edition, for Repairs or Re eed and Replacemen Other Identification	placements t Componen Year Built	19 <u>86</u> Repaired, Replaced, or Replacement	ASME Code Stampe (Yes o No)
5. 6. Com	(a) (b) Ident sme of sponent TANK B	Applicable Const Applicable Edit tification of Co Name of Manufacturer	ruction Code <u>B3</u> ion of Section mponents Repair Manufacturer Serial No. N/A	1.1 19 _ XI Utilized ed or Replac National Board No. N/A	67 Edition, for Repairs or Re ed and Replacemen Öther Identification	placements t Componen Year Built	19 <u>86</u> Repaired, Replaced, or Replacement REPLACED	ASME Code Stampe (Yes o No) NO
5. 6. Com	(a) (b) Ident sme of sponent TANK B	Applicable Const Applicable Edit tification of Co Name of Manufacturer	ruction Code <u>B3</u> ion of Section mponents Repair Manufacturer Serial No. N/A	1.1 19 _ XI Utilized ed or Replac National Board No. N/A	67 Edition, for Repairs or Re ed and Replacemen Öther Identification	placements t Componen Year Built	19 <u>86</u> Repaired, Replaced, or Replacement REPLACED	ASME Code Stampe (Yes o No) NO
5. 6. Com	(a) (b) Ident sme of sponent TANK B	Applicable Const Applicable Edit tification of Co Name of Manufacturer	ruction Code <u>B3</u> ion of Section mponents Repair Manufacturer Serial No. N/A	1.1 19 _ XI Utilized ed or Replac National Board No. N/A	67 Edition, for Repairs or Re ed and Replacemen Öther Identification	placements t Componen Year Built	19 <u>86</u> Repaired, Replaced, or Replacement REPLACED	ASME Code Stampe (Yes o No) NO

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

Other [X] Pressure N/A psi Test Temp. N/A °F EXTERNAL LEAK CHECK

Form NIS-2

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SECTION XI - DIVISION 1

1986 Edition

FORM	NIS-2	(Back)
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9. Remarks SEE WR/JO 94-ASEI1 TURNOVER PACKAGE.

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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 StampN/A
Certificate of Authorization Non / N/A Expiration Date
Signed filmed B-heber SR. SPECIALIST Date 7/17, 1995
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure
Vessel Inspectors and the State or Province of
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT have inspected
the components described in this Owner's Report during the period $2 - 7 - 99$ to
7 - 7 - 95, 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.
Ramon O Valladares commissions TN 971
Inspector's Signature National Board, State, Province, and Endorsements
Date7-2619 _95

Pagell of 56

APPENDIX II - MANDATORY

Form NIS-2

No)

NO

NO

1971

1995

N/A

N/A

REPLACED

REPLACEMENT

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

As Required by the Provisions of the ASME Code Section XI

· 1.	Owner	CAROLINA POW	ER & LIGHT COMPA Name	NY	Date _	7	/18/95	
····ak ·	<u>411 F</u>		<u>, RALEIGH, NC 27</u> ress	602	Sheet	1_ of	1	
2.	Plar	nt <u>H.B.ROBINSON</u>		<u> </u>	Unit _	HBR2		
•			Name					
804.	3581	W ENTRANCE RD	HARTSVILLE SC 2	29551		WR/JO 9	4-ASDY1	
			ress		Repair O	rganizatio	on PO NO., Job	No., etc.
3.	Work	Performed by MA			Туре С	ode Symbol	Stamp <u>N/A</u>	
			Name		Author	ization No	»N/A	
	SAM	E AS 2 ABOVE		<i>t 1</i>	Expira	tiîon Date	N/A	
			ress					
4.	Iden	tification of Sy	stem	CVCS	CLASS 3			
5.	(a)	Applicable Cons	truction Code <u>B</u>	<u>31.1</u> 19_	<u>67</u> Edition,	N/A Ad	denda, <u>N/A</u>	Code Case
	(b)	Applicable Edit	ion of Section)	(I Utilized	for Repairs or Rep	olacements	19 <u>86</u>	
6.	Iden	tification of Co	mponents Repair	ed or Replac	ed and Replacemen	t Componen	ts	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Öther Identification	Year Built	Repaired, Replaced, or	ASME Code Stamped
		2					Replacement	(Yes or

٩.

CVC-379

cvc-379

EBASCO

MAINTENANCE

Description of Work_REPLACED DIAPHRAGM AND STUDS DUE TO BORIC ACID LEAKAGE.

N/A

N/A

8.

7.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

N/A

N/A

Other [X] Pressure N/A psi Test Temp. N/A °F EXTERNAL LEAKAGE CHECK

Form NIS-2

9.

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

Remarks SEE WR/JO 94-ASDY1 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. Expiration Date <u>N/A</u> <u>/ N/A</u> SR.SPECIALIST Date 7/18 , 19 95 signed Hufra 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 ________ TENNESSEE_______ 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 2 - 7 - 94____ to 7 - 7 - 95, 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. Inspector's Signature Commissions TN 971 National Board, State, Province, and Endorsements

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APPENDIX II - MANDATORY

Form NIS-2

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

Sector Sector

As Required by the Provisions of the ASME Code Section XI

1.	Owner	CAROLINA POW	ER & LIGHT COMPA	NY	Date		7/18/95	
			Name					
	411	AYETTEVILLE ST.	RALFIGH. NC 27	602	Sheet	1 of	1	
	411.1		ess		-			
					11-24	upp 2		
. 2.	Plar	nt <u>H.B.ROBINSON</u>				HBR2		· · ·
			Name					
- 24) 	750	1 W ENTRANCE RD	HADTOVILLE SC 2	0551		WR/JO 9	4-ASDR1	
	328	I W ENTRANCE RD Addi		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Repair O		on PO NO., Job	No., etc.
		, Addi	633		· · · · · · · · · · · · · · · · · · ·			-
3.	Work	Performed by MA	INTENANCE		Type C	ode Symbol	Stamp <u>N/A</u>	
	WOLK	, of tot more my	Name					
					Author	ization No	N/A	
•	SAM	E AS 2 ABOVE		· ·	Expira	tion Date	<u>N/A</u>	
		Add	ress					
					01.000	,		
4	Iden	tification of Sy	stem	CVCS	CLASS 3)	· ·	······································
5.	(a)	Applicable Cons	truction Code_B3	<u>31.1</u> 19_	67Edition,	<u>N/A</u> Ad	denda, <u>N/A</u>	Code Case
· · ,								
	(b)	Applicable Edit	ion of Section)	(I Utilized	for Repairs or Rep	olacements	19 <u>86</u>	
6.	Iden	tification of Co	mponents Repair	ed or Replac	ed and Replacement	t Componen	ts	
Nan	ne of	Name of	Manufacturer	National	Other	Year	Repaired,	ASME
. Comp	ponent	Manufacturer	Serial No.	Board	Identification	Built	Replaced,	Code
.				No.			or	Stamped
							Replacement	(Yes or

No) REPLACED NO N/A N/A 1971 EBASCO N/A .FE-110 1995 REPLACEMENT NO N/A N/A MAINTENANCE N/A FE-110

7. Description of Work REPLACED STUDS, NUTS AND GASKET DUE TO LEAKAGE.

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

Other [X] Pressure N/A psi Test Temp. N/A °F EXTERNAL LEAKAGE CHECK

Form NIS-2

SECTION XI - DIVISION 1

1986 Edition

. FORM NIS-2 (Back)

Remarks	SEE	WR/JO	94-ASDR1	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 Expiration Date _____N/A Certificate of Authorization No. N/A SR.SPECIALIST Date 7/18 , 19.95 Signed buchard 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>TENNESSEE</u> _____ and employed by THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u>, CONNECTICUT have inspected the components described in this Owner's Report during the period 2 - 7 - 94 to 7 - 7 - 95, 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. <u>Inspector's Signature</u> Commissions <u>TN 971</u> National Board, State, Province, and Endorsements Date 7-26, 19 95

Page 13 of 56

1986 Ed	dition APPENDIX II - M.	APPENDIX II - MANDATORY						
	FORM NIS-2 OWNER'S REPORT FOR	FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS						
	As Required by the Provisions of	the ASME Code Section XI	- 199					
1.	Owner <u>CAROLINA POWER & LIGHT COMPANY</u> Name	Date 7/17	/95					
	411 FAYETTEVILLE ST., RALEIGH, NC 27602 Address	Sheet <u>1</u> of <u>1</u>	·					
2.	Plant <u>H.B.ROBINSON</u> Name	Unit <u>HBR2</u>	· · · ·					
	3581 W ENTRANCE RD HARTSVILLE SC 29551	WR/JO 94-ASD	L1					
	Address	Repair Organization PO	NO., Job No., etc.					
3.	Work Performed by <u>MAINTENANCE</u> Name	Type Code Symbol Stam	D <u>N/A</u>					
•	· · · · · · · · · · · · · · · · · · ·	Authorization No.	N/A					
×	SAME AS 2 ABOVE Address	Expiration, Date	N/A					
4.	Identification of System CVCS	CLASS 3						

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(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

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)
BA FILTER	EBASCO	N/A	N/A	HEAD NOTS	1971	REPLACED	NO .
BA FILTER	MAINTENANCE	N/A	N/A	HEAD NUTS	1995	REPLACEMENT	NO
			· ·				
			·····				

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6.

Description of Work REPLACED THE HEAD FLANGE NUTS DUE TO BORIC ACID LEAKAGE.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [X] Pressure °F psi Test Temp. EXTERNAL LEAK CHECK

Form NIS-2

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SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

	Applicable Manu	ifacturer's Data Repor	ts to be attached	
	<u> </u>			
······				
·····			· · · · · · · · · · · · · · · · · · ·	
	alan an a	······	and a second	
	CERTIFI	CATE OF COMPLIANCE		
			· ·	· ·
We certify that	the statements made in	the report are correc		n replacement
conforms to the rules of	the ASME Code Section	N XI.		
Type Code Symbol Stamp			· ·	·
Certificate of Authoriza			Expiration Date	N/A
signed biband &		SR.SPECIALIST		
	ner's Designee, Title			
	CERTIFICATE	OF INSERVICE INSPECTIO	И	•
	CERTIFICATE	OF INSERVICE INSPECTIO	N	
I, the undersigned, hold		-		d Pressure
	ing a valid commission	issued by the Nationa	l Board of Boiler and	
Vessel Inspectors and the THE HARTFORD STEAM BOIL	ing a valid commission e State or Province of ER INSP.& INS. CO of	issued by the Nationa TENNESSEE	L Board of Boiler and	and employed b
Vessel Inspectors and th <u>THE HARTFORD STEAM BOIL</u> the components described	ing a valid commission e State or Province of <u>ER INSP.& INS. CO.</u> of in this Owner's Report	issued by the Nationa <u>TENNESSEE</u> f <u>HARTFORD, CONNECTI</u> t during the period	L Board of Boiler and CUT 1 2 - 7 - 94	and employed b have inspected
Vessel Inspectors and the <u>THE HARTFORD STEAM BOIL</u> the components described $7 - 7 - 95$	ing a valid commission e State or Province of <u>ER INSP.& INS. CO.</u> of in this Owner's Report , and state t	issued by the Nationa <u>TENNESSEE</u> f <u>HARTFORD, CONNECTI</u> t during the period <u></u> that to the best of my	L Board of Boiler and CUT 1 2 - 7 - 94 knowledge and belie	and employed b have inspected to f, the Owner ha
Vessel Inspectors and the <u>THE HARTFORD STEAM BOIL</u> the components described 7 - 7 - 95	ing a valid commission e State or Province of <u>ER INSP.& INS. CO.</u> of in this Owner's Report , and state t	issued by the Nationa <u>TENNESSEE</u> f <u>HARTFORD, CONNECTI</u> t during the period <u></u> that to the best of my	L Board of Boiler and CUT 1 2 - 7 - 94 knowledge and belie	and employed b have inspected to f, the Owner ha
Vessel Inspectors and the <u>THE HARTFORD STEAM BOIL</u> the components described <u>7 - 7 - 95</u> performed examinations a	ing a valid commission e State or Province of <u>ER INSP.& INS. CO.</u> of in this Owner's Report , and state t nd taken corrective mea	issued by the Nationa <u>TENNESSEE</u> f <u>HARTFORD, CONNECTI</u> t during the period <u></u> that to the best of my	L Board of Boiler and CUT 1 2 - 7 - 94 knowledge and belie	and employed b have inspected to f, the Owner ha
Vessel Inspectors and the <u>THE HARTFORD STEAM BOIL</u> the components described 7 - 7 - 95 performed examinations at the requirements of the	ing a valid commission e State or Province of <u>ER INSP.& INS. CO.</u> of in this Owner's Report , and state t nd taken corrective mea ASME Code, Section XI.	issued by the Nationa <u>TENNESSEE</u> f <u>HARTFORD, CONNECTI</u> t during the period <u></u> that to the best of my asures described in th	L Board of Boiler and CUT 1 2 - 7 - 94 knowledge and belie is Owner's Report in	and employed b have inspected to f, the Owner ha accordance wit
Vessel Inspectors and the <u>THE HARTFORD STEAM BOIL</u> the components described 7 - 7 - 95 performed examinations at the requirements of the	ing a valid commission e State or Province of <u>ER INSP.& INS. CO.</u> of in this Owner's Report , and state t nd taken corrective mea ASME Code, Section XI.	issued by the Nationa <u>TENNESSEE</u> f <u>HARTFORD, CONNECTI</u> t during the period <u></u> that to the best of my asures described in th	L Board of Boiler and CUT 1 2 - 7 - 94 knowledge and belie is Owner's Report in	and employed b have inspected to f, the Owner ha accordance wit
Vessel Inspectors and the <u>THE HARTFORD STEAM BOIL</u> the components described 7 - 7 - 95 performed examinations at the requirements of the By signing this certific implied, concerning the	ing a valid commission e State or Province of <u>ER INSP.& INS. CO.</u> of in this Owner's Report , and state t nd taken corrective mea ASME Code, Section XI. ate neither the Inspect examinations and correc	issued by the Nationa <u>TENNESSEE</u> f <u>HARTFORD, CONNECTI</u> t during the period that to the best of my asures described in th tors or his employer m ctive measures describ	L Board of Boiler and CUT $T = 7 - 94knowledge and belieis Owner's Report inakes any warranty, ex-ed in this Owner's Re-$	and employed b have inspected to f, the Owner ha accordance wit xpressed or eport.
Vessel Inspectors and the <u>THE HARTFORD STEAM BOIL</u> the components described <u>7-7-95</u> performed examinations a the requirements of the By signing this certific implied, concerning the	ing a valid commission e State or Province of <u>ER INSP.& INS. CO.</u> of in this Owner's Report , and state t nd taken corrective mea ASME Code, Section XI. ate neither the Inspect examinations and correc	issued by the Nationa <u>TENNESSEE</u> f <u>HARTFORD, CONNECTI</u> t during the period that to the best of my asures described in th tors or his employer m ctive measures describ	L Board of Boiler and CUT $T = 7 - 94knowledge and belieis Owner's Report inakes any warranty, ex-ed in this Owner's Re-$	and employed b have inspected to f, the Owner ha accordance wit xpressed or eport.
I, the undersigned, hold Vessel Inspectors and the <u>THE HARTFORD STEAM BOIL</u> the components described 7-7-95 performed examinations a the requirements of the By signing this certific implied, concerning the Furthermore, neither the injury or property damag	ing a valid commission e State or Province of <u>ER INSP.& INS. CO.</u> of in this Owner's Report , and state t nd taken corrective mea ASME Code, Section XI. ate neither the Inspect examinations and correct Inspector nor his empl	issued by the Nationa <u>TENNESSEE</u> f <u>HARTFORD, CONNECTI</u> t during the period <u></u> that to the best of my asures described in th tors or his employer m ctive measures describ loyer shall be liable	L Board of Boiler and <u>CUT</u> <u>2 - 7 - 94</u> knowledge and belier is Owner's Report in akes any warranty, ex- ed in this Owner's Re- in any manner for any	and employed b have inspected to f, the Owner ha accordance wit xpressed or eport. y personal
Vessel Inspectors and the <u>THE HARTFORD STEAM BOIL</u> the components described 7 - 7 - 95 performed examinations a the requirements of the By signing this certific implied, concerning the Furthermore, neither the	ing a valid commission e State or Province of <u>ER INSP.& INS. CO.</u> of in this Owner's Report , and state t nd taken corrective mea ASME Code, Section XI. ate neither the Inspect examinations and correct Inspector nor his empl e or a loss of any kind of	issued by the Nationa <u>TENNESSEE</u> f <u>HARTFORD, CONNECTI</u> t during the period that to the best of my asures described in th tors or his employer m ctive measures describ loyer shall be liable d arising from or conn	L Board of Boiler and <u>CUT</u> <u>2 - 7 - 94</u> knowledge and belier is Owner's Report in akes any warranty, ex- ed in this Owner's Re- in any manner for any	and employed b have inspected to f, the Owner ha accordance wit xpressed or eport. y personal
Vessel Inspectors and the <u>THE HARTFORD STEAM BOIL</u> the components described 7 - 7 - 95 performed examinations a the requirements of the By signing this certific implied, concerning the Furthermore, neither the	ing a valid commission e State or Province of <u>ER INSP.& INS. CO.</u> of in this Owner's Report , and state t nd taken corrective mea ASME Code, Section XI. ate neither the Inspect examinations and correct Inspector nor his emple e or a loss of any kind	issued by the Nationa <u>TENNESSEE</u> f <u>HARTFORD, CONNECTI</u> t during the period that to the best of my asures described in th tors or his employer m ctive measures describ loyer shall be liable d arising from or conn issions <u>TN97</u>	L Board of Boiler and <u>CUT</u> <u>2 - 7 - 94</u> knowledge and belier is Owner's Report in akes any warranty, ex- ed in this Owner's Re- in any manner for any	and employed b have inspected to f, the Owner ha accordance wit xpressed or eport. y personal ection.

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APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

		•
1.	Owner <u>CAROLINA POWER & LIGHT COMPANY</u> Name	Date7/18/95
	411 FAYETTEVILLE ST., RALEIGH, NC 27602 Address	Sheet <u>1</u> of <u>1</u>
····2.	Plant <u>H.B.ROBINSON</u> Name	Unit <u>HBR2</u>
ະ	3581 W ENTRANCE RD HARTSVILLE SC 29551 Address	WR/JO 94-ASDH1 Repair Organization PO NO., Job No., etc.
3.	Work Performed by <u>MAINTENANCE</u> Name	Type Code Symbol Stamp <u>N/A</u>
		Authorization No. <u>N/A</u>
	SAME AS 2 ABOVE	Expiration DateN/A
	Address	
4.	Identification of System CVCS	CLASS 3
5.	(a) Applicable Construction Code <u>B31.1</u> 19 <u>67</u>	Edition,N/AAddenda,N/ACode 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-347	EBASCO	N/A	N/A	N/A	1971	REPLACED	NO
CVC-347	MAINTENANCE	N/A	N/A	N/A	1995	REPLACEMENT	NO

. . 7.

Description of Work <u>REPLACED DIAPHRAGM, STUDS AND NUTS DUE TO LEAKAGE.</u>

8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [X] Pressure N/A psi Test Temp. N/A °F EXTERNAL LEAK CHECK

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

9. Remarks SEE WR/JO 94-ASDH1 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 ____ N/A Certificate of Authorization No. / N/A Expiration Date _____N/A Signed Hickord D. I. Libr SR.SPECIALIST Date 7/18, 19 95 Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure _____ and employed by have inspected THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD, CONNECTICUT the components described in this Owner's Report during the period 2-7-97____ to 7-7-95, 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. A Culladares Commissions TN971 Inspector's Signature National Board, State, Province, and Endorsements Kamon Date 7-26 . 19 95

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APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner	CAROLINA POWE	R & LIGHT COMPA	NY	Date		7/18/95	
	411 F	AYETTEVILLE ST.	Name RALEIGH, NC 27	602	Sheet	<u>1</u> of		
	411.1		ess				,	
2.	Plan	t <u>H.B.ROBINSON</u>	Name		Unit	HBR2		· - · - · - · - · - · - · - · -
1.	<u>_3581</u>	W ENTRANCE RD		9551			94-ARUN1 on PO NO., Job	
		Addr	ess		Kepair U	rganizati	011 PO NO., 300	No., etc.
3.	Work	Performed by <u>MA</u>	INTENANCE Name		Туре С	ode Symbol	. Stamp <u>N/A</u>	
				•	Author	ization No	N/AN/A_	
	SAME	AS 2 ABOVE			. Expira	tion Date	<u>N/A</u>	
·**.		Addı						
4	Ident	ification of Sy	stem	CVCS	CLASS	2	<u></u>	
5.	(a)	Applicable Const	ruction Code <u>B31</u>	.1 19	<u>67</u> Edition,	<u>N/A</u> Ac	idenda, <u>N/A</u>	Code Cas
	(b)	Applicable Edit	ion of Section >	(I Utilized	for Repairs or Re	olacements	19 <u>86</u>	
6.	Iden	tification of Co	mponents Repaire	ed or Replac	ed and Replacemen	t Componer	nts	
	Name of omponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C	VC-209	EBASCO	N/A	N/A	RELIEF VALVE	1971	REPLACED	NO
С	VC-209	MAINTENANCE	N/A	N/A	RELIEF VALVE	1995	REPLACEMENT	NO
┡								
┣								

Description of Work<u>REPLACED RELIEF VALVE CVC-209 WITH NEW VALVE. END OF SERVICE LIFE.</u>

8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [X] Pressure N/A psi Test Temp. N/A °F VT-2 & EST-112

Form NIS-2

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

9.	Remarks	SEE	WR/JO	94-ARUN1	TURNOVER	PACKAGE.
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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 StampN/A
Certificate of Authorization No. / N/A Expiration DateN/A
Signed Cluber SR.SPECIALIST Date 7/18, 1995 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure
Vessel Inspectors and the State or Province of <u>TENNESSEE</u> 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 $2 - 7 - 97$ to
7-7-95, 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.
Ramon C'Ualladarles commissions TN971
Inspector's Signature National Board, State, Province, and Endorsements
Date 7-26 19 95

Page 16 of 56

		ORM NIS-2 OWNER	S REPORT FO	R REPAIRS OR REPL	ACEMENTS		
	As	Required by the	Provisions	of the ASME Code	Section XI	ſ	
. Owne	er <u>CAROLINA PO</u> W	ER & LIGHT COMPA	ANY	Date _		7/18/95	
<u>411</u>	FAYETTEVILLE ST. Add		7602	Sheet	of	1	
. Pl	ant <u>H.B.ROBINSON</u>	Name		Unit _	HBR2		
_ 35	81 W ENTRANCE RD Add	HARTSVILLE SC 2 ress	29551	Repair C		94-ARGL1 on PO NO., Job	
. Wor	k Performed by <u>MA</u>	INTENANCE Name				l Stamp <u>N/A</u>	
C 4	ME AS 2 ABOVE					D. <u>N/A</u>	
•		ress		CLA		· .	
			•	for Repairs or Re			[
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe (Yes o No)
cvc-340	EBASCO	N/A	N/A	N/A '	1971	REPLACED	NO
cvc-340	MAINTENANCE	N/A	N/A	N/A	1995	REPLACEMENT	NO
	•	<u> </u>	L · · ·				

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Form NIS-2

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

9. Remarks SEE WR/JO 94-ARGL1 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 ____ N/A Certificate of Authorization No. / N/A Expiration Date ______ SR.SPECIALIST ____ Date ____7/18 ____, 19_95 signed Lb 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 _____TENNESSEE ____ _____ and employed by _____ have inspected THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD, CONNECTICUT the components described in this Owner's Report during the period 2 - 7 - 94___ to 7 - 7 - 95, 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. Lamon C. Valladares Commissions TN971 Inspector's Signature National Board, State, Province, and Endorsements Date 7-26 19 95

Page 17 of 56

1986 Edition		A	PPENDIX II ·	MANDATORY			Form NIS-2
•				OR REPAIRS OR REPL of the ASME Code		I	
1. Owner	CAROLINA POW	ER & LIGHT COMP	ANY	Date _		7/11/95	
<u>411 F/</u>		Name , RALEIGH, NC 2 ress	7602	Sheet	<u>1</u> of	1	
2. Plant	H.B.ROBINSON	Name		Unit _	HBR2		
<u>`3581</u>		HARTSVILLE SC 2	29551	Repair (93-AQGU1 on PO NO., Job	
3. Work H	Performed by <u>MA</u>	INTENANCE Name				l Stamp <u>N/A</u> o. <u>N/A</u>	
SAME		ress				N/A	
4. Ident			SIS	CLASS 1			
(b)	Applicable Edit	ion of Section 3	XI Utilized	<u>67</u> Edition, <u></u> for Repairs or Re	placements	s 19 <u>86</u>	Code Cas
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or 'No)
HANGER	EBASCO	N/A	N/A	CPL-112-C	1971	REPAIRED	NO
· .							
	• • • • •			THE CHANNEL SUPPOR		4	LLED.
		ther [X] Press VT-3		psi Test Tem		° F .	

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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.

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SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

9. Remarks_SEE WR/JO 93-AQGU1 TURNOVER PACKAGE.

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>REPAIR</u> repair or replacement
conforms to the rules of the ASME Code, Section XI.
Type Code Symbol StampN/A
Certificate of Anthorization No. N/A Expiration Date N/A
Signed Guhard Will SR.SPECIALIST Date 7/11, 19 <u>95</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
THE HARTFORD STEAM ROLLER INSP.& INS. CO. of HARTFORD, CONNECTICUT have inspected
the components described in this Owner's Report during the period $2 - 7 - 94$ to
7 - 7 - 95, 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
$^{\circ}$ 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.
Camon Claladares commissions TN971
Inspector's Signature National Board, State, Province, and Endorsements
Date 7-26 19 95

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APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner <u>(</u>	AROLINA POW	ER & LIGHT COMPA Name	<u>INY</u>	Date _		7/12/95	
** , *	<u>411 FAYE</u>		, RALEIGH, NC 27 ress	7602	Sheet	1 of	1	•
	Plant <u> </u>	I.B.ROBINSON	Name		Unit_	HBR2		
1.g.	3581 W E		HARTSVILLE SC 2	29551	Repair (93-APTC2 on PO NO., Job	
3.	Work Peri	formed by <u>MA</u>	INTENANCE Name				l Stamp <u>N/A</u> o. <u>N/A</u>	
	SAME AS	2 ABOVE Addi	ress		•			
5. 6.	(a) Appl (b) App	icable Const licable Edit	ruction Code <u>B31</u> ion of Section X	1 <u>.1</u> 19 _ (I Utilized	<u>CLASS 2</u> <u>67</u> Edition, for Repairs or Re ed and Replacemen	<u>N/A</u> Ac	denda, <u>N/A</u> 3 19 <u>86</u>	Code Case
Name Compor		Name of nufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SNUBBI	ER EBA	ASCO ·	N/A	N/A	P/N 740-068-59	1971	REPLACED	NO
SNUBBI	ER MAI	INTENANCE	N/A	N/A	P/N 740-068-59	1993	REPLACEMENT	NO

. 7.

2. Description of Work <u>REPLACED SNUBBER #10 RESERVOIR BODY DUE TO LEAKAGE.</u>

[~]8.

. Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [X] Pressure N/A psi Test Temp. N/A °F EXTERNAL LEAKAGE CHECK AND VT-3

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

Remarks ______ SEE WR/JO 93-APTC2 TURNOVER PACKAGE. 9.

CERTIFICATE OF COMPLIANCE		
. We certify that the statements made in the report are correc	ct and this <u>REPLACE</u> repair	MENT or replacement
conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol StampN/A		
Certificate of Authorization <u>No. / N/A</u>	Expiration Date	N/A
Signed Annak Muber SR. SPECIALIST	Date7/12	. 19_95
Owner or Owner's Designee, Title		
CERTIFICATE OF INSERVICE INSPECTI	ON	
I, the undersigned, holding a valid commission issued by the Nationa	al Board of Boiler a	and Pressure
essel Inspectors and the State or Province of		
THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD, CONNECT		
the components described in this Owner's Report during the period	2-7-9.	7 to
7 - 7 - 95, and state that to the best of my		
performed examinations and taken corrective measures described in th		
the requirements of the ASME Code, Section XI.		
By signing this certificate neither the Inspectors or his employer m	nakes any warranty,	expressed or
implied, concerning the examinations and corrective measures describ		
Furthermore, neither the Inspector nor his employer shall be liable		
the second s	leeted with this in	
injury or property damage or a loss of any kind arising from or con		
Ramon C. Valladarles commissions _ TN9	7/	and Endorsements
Ramon C Valladarles commissions _ TN9		and Endorsements
Ramon C. Valladanes commissions _ TN9	7/	and Endorsements

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1986	Edition	

APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

	0				Date		7/12/95	
1.	Owner	CARULINA PUW	ER & LIGHT COMP/ Name	<u> </u>			1.127.73	
	<u>411 F</u>		, RALEIGH, NC 27 ress	7602	Sheet	1 of	1	
2.	Plar	nt <u>H.B.ROBINSON</u>	Name		Unit _	HBR2		
	358		HARTSVILLE SC 2	29551	Repair (OG-APTB2 on PO NO., Job	No., etc.
3.	Work	Performed by <u>MA</u>			Туре С	ode Symbol	Stamp <u>N/A</u>	
•_ •	SAME	AS 2 ABOVE Add	ress	<u></u>			D. <u>N/A</u>	
<u> </u>	Ident	tification of Sy	stem	MAIN STEAM	CLASS 2			
5.	(a)	Applicable Cons	truction Code <u>B</u>	<u>31.1</u> 19_	<u>67</u> Edition,	<u>N/A</u> Ad	ldenda, <u>N/A</u>	Code Case
- -					for Repairs or Re			
6.	Iden	tification of Co	mponents Repair	ed or Replac	ed and Replacemen	t Componen		
	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or - No)
SNUE	BER	EBASCO	N/A	N/A	P/N 740-068-59	1971	REPLACED	NO

7.

SNUBBER

MAINTENANCE

Description of Work_REPLACED_SNUBBER #1 RESERVOIR_BODY_DUE_TO_LEAKAGE

N/A

2. 8. Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

N/A

Other [X] Pressure N/A psi Test Temp. N/A $^\circ F$ EXTERNAL LEAKAGE AND VT-3

1993

P/N 740-068-59

REPLACEMENT

NO

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.

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SECTION XI - DIVISION 1

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1986 Edition

FORM NIS-2 (Back)

9. Remarks SEE WR/JO 93-APTB2 TURNOVER PACKAGE

· · · · · · · · · · · · · · · · · · ·
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 StampN/A
Certificate of Authorization No. N/A Expiration Date N/A Signed Image: Mage: Ma
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>TENNESSEE</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>2-7-94</u> to <u>$7-7-95$</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 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.
Date 7-26, 1995

Page 20 of 56

APPENDIX II - MANDATORY

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Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner	CAROLINA POW	ER & LIGHT COMP! Name	ANY	Date _	7/1	0/95	
· · ·	<u>411 i</u>		<u>, RALEIGH, NC 27</u> ress	7602	Sheet	1 of	1	······
2.	. Plar	ht <u>H.B.ROBINSON</u>	Name		Unit _	HBR2		
n. j	3581	U ENTRANCE RD	HARTSVILLE SC 2	29551		WR/JO 9	73-APLL1	
			ress		Repair C		on PO NO., Job	
3.	Work	Performed by <u>MA</u>			Туре С	ode Symbo	Stamp <u>N/A</u>	
					Author	ization No	DN/A	
	SAME	AS 2 ABOVE	ress		Expira	tion Date	N/A	
5. 6.	(a) (b)	Applicable Const Applicable Edit	ion of Section)	<u>B31.1</u> 19 XI Utilized	<u>67</u> Edition, for Repairs or Re and Replacemen	placements	19 <u>86</u>	Code Case
Name Compo		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
··NON-F	REGHX	EBASCO	N/A	N/A	FLANGE STUDS	1971	REPLACED	NO
NON-F	REGHX	MAINTENANCE	N/A	N/A	FLANGE STUDS	1993	REPLACEMENT	NO
					· · ·			

Description of Work_SHELL FLANGE STUDS REPLACED_DUE TO BORIC ACID_LEAKAGE.

8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [X] Pressure N/A psi Test Temp. N/A °F VISUAL

9.

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

Remarks SEE WR/JO 93-APLL1 TURNOVER PACKAGE

CERTIFICATE OF COMPLIANCE repair or replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp ____ N/A Expiration Date <u>N/A</u> Certificate of Authorization No. / N/A SR.SPECIALIST ____ Date ____7/10 ___, 19_95 signed the charde 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 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 2 - 7 - 97__ to 7 - 7 - 95, 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. <u>Inspector's Signature</u> Commissions <u>72971</u> National Board, State, Province, and Endorsements Date 1-16 , 19 95

Page 21 of 56

%1986 Edition

APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner	CAROLINA POW	ER & LIGHT COMPA	NY	Date _		7/14/95	
	<u>411 F</u>	AYETTEVILLE ST. Addr		7602	Sheet _	of	1	
2.	Plar	nt <u>H.B.ROBINSON</u>	Name	<u>: .</u> .	Unit _	HBR2		
	_3581	<u>I W ENTRANCE RD</u> Addr		29551	Repair O		24-APJH1 on PO NO., Job	No., etc.
3.	Work	Performed by <u>MA</u>	INTENANCE Name				Stamp <u>N/A</u>	
	SAME	E AS 2 ABOVE					N/A	
4.	Iden	Addı tification of Sy	ress stemC\	/cs	CLASS 3	5		
5.	(a)	Applicable Const	ruction Code <u>B3</u>	<u>1.1</u> 19_	<u>67</u> Edition,	N/A Ad	denda, <u>N/A</u>	Code_Case
6.					for Repairs or Rep ed and Replacement			
Na	me of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
· cvc	:-341	EBASCO	N/A	N/A	N/A	1971	REPLACED	NO
CVC	:-341	MAINTENANCE	N/A	N/A	N/A	1995	REPLACEMENT	NO

Description of Work REPLACED BONNET ASSY, DIAPHRAGM, STUD AND NUTS DUE TO BONNET LEAKAGE.

7. ***** 8.

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Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

N/A °F Test Temp. Other [X] Pressure N/A psi EXTERNAL LEAKAGE CHECK

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SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

9. Remarks_SEE WR/JO_TURNOVER_PACKAGE.

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CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct a	and this <u>REPLACEMENT</u> repair or replacement
conforms to the rules of the ASME Code, Section XI.	
Type Code Symbol StampN/A	·
Certificate of Authorization No. N/A	Expiration Date <u>N/A</u>
	Date 7/14, 19 <u>95</u>
Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National E	Board of Boiler and Pressure
Vessel Inspectors and the State or Province of	
THE HARTFORD STEAM BOILER INSP.& INS. CO of HARTFORD, CONNECTICUT	have inspected
the components described in this Owner's Report during the period	2-7-94 to
performed examinations and taken corrective measures described in this	
the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspectors or his employer make	es any warranty, expressed or
implied, concerning the examinations and corrective measures described	
Furthermore, neither the Inspector nor his employer shall be liable in	
injury or property damage or a loss of any kind arising from or connect	
Ramon Culladares commissions TN971	State, Province, and Endorsements
Date 7-26, 19 <u>95</u>	

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APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1	. Owner	CAROLINA POW	ER & LIGHT COMPA Name	NY	Date		7/17/95	<i>.</i>
	<u>411 i</u>	AYETTEVILLE ST. Addr	, RALEIGH, NC 27	602	Sheet _	of	1	<u> </u>
2	. Plar	nt H.B.ROBINSON	Name	-	Unit_	HBR2	<u> </u>	
·:	_358	1 W ENTRANCE RD Addr		9551	Repair O		4-APIE1 on PO NO., Job	
3	. Work	Performed by <u>MA</u>	INTENANCE Name				Stamp <u>N/A</u>	
•	_SAMI	E AS 2 ABOVE Addu	ress				•N/A	
- 4 - 5	i. (a) (b)	Applicable Const Applicable Edit	ruction Code <u>B3</u>	1 <u>.1</u> 19 _ (I Utilized	67 Edition, for Repairs or Rep ed and Replacement	<u>N/A</u> Ad	denda, <u>N/A</u> 19 <u>86</u>	_ Code Case
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	FE-127	EBASCO	N/A	N/A	STUDS & NUTS	1971	REPLACED	NO
÷	FE-127	MAINTENANCE	N/A	N/A	STUDS & NUTS	1995	REPLACEMENT	NO

Description of Work REPLACED STUDS, NUTS AND GASKETS.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [X] Pressure N/A psi Test Temp. N/A °F EXTERNAL LEAKAGE 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.

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SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)	
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9. Remarks SEE WR/JO 94-APIE1 TURNOVER PACKAGE.

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conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authoritation No. N/A Signed SR.SPECIALIST Date Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TENNESSEE and employ	· CERTIFICATE OF COMPL	IANCE
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Signed Signed N/A SR.SPECIALIST Date 7/17 , 19 Owner or Owner's Designee, Title Date 7/17 , 19 Owner or Owner's Designee, Title Date 7/17 , 19 Owner or Owner's Designee, Title Date 7/17 , 19 Owner or Owner's Designee, Title Date 7/17 , 19 Owner or Owner's Designee, Title Date 7/17 , 19 Owner or Owner's Designee, Title Date 7/17 , 19 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure vessel and employ Yessel Inspectors and the State or Province of TENNESSEE and employ and employ THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD, CONNECTICUT have inspect the components described in this Owner's Report during the period 2 - 7 - 9 4 - -	We certify that the statements made in the report a	re correct and this <u>REPLACEMENT</u> repair or replaceme
Certificate of Authoritation No. N/A Expiration Date N/A Signed State of Authoritation No. N/A SR.SPECIALIST Date 7/17, 19 Owner or Owner's Designee, Title Date 7/17, 19 Owner or Owner's Designee, Title Date 7/17, 19 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>TENNESSEE</u> and employ THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD, CONNECTICUT</u> have inspect the components described in this Owner's Report during the period $2-7-94$ 7-7-95, and state that to the best of my knowledge and belief, the Owner performed examinations and taken corrective measures described in this Owner's Report in accordance the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer makes any warranty, expressed on 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. Mamon MAMINAAAAA Commissions TM971	conforms to the rules of the ASME Code, Section XI.	
Signed 3 3 3 3 3 3 3 3 3 3	Type Code Symbol StampN/A	·
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>TENNESSEE</u> and employ THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD, CONNECTICUT</u> have inspect the components described in this Owner's Report during the period $2 - 7 - 94$ $7 - 7 - 95$, and state that to the best of my knowledge and belief, the Owner performed examinations and taken corrective measures described in this Owner's Report in accordance the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer makes any warranty, expressed on 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. $Wardause$ Commissions $TW971$	Certificate of Authorization No. / N/A	Expiration DateN/A
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>TENNESSEE</u> and employ THE HARTFORD STEAM BOILER INSP.8 INS. CO. of <u>HARTFORD, CONNECTICUT</u> have inspect the components described in this Owner's Report during the period $R - 7 - 94$ 7 - 7 - 95, and state that to the best of my knowledge and belief, the Own performed examinations and taken corrective measures described in this Owner's Report in accordance the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer makes any warranty, expressed on 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. MaxwondMadaaa Commissions TW971		LIST Date 7/17, 19_
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>TENNESSEE</u> and employ <u>THE HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTICUT</u> have inspect the components described in this Owner's Report during the period <u>$2-7-94$</u> <u>$7-7-95$</u> , and state that to the best of my knowledge and belief, the Own performed examinations and taken corrective measures described in this Owner's Report in accordance the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer makes any warranty, expressed on 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. MamMALadaaa commissions <u>TW971</u>	Owner of Owner's Designee, fitte	
Vessel Inspectors and the State or Province of <u>TENNESSEE</u> and employ <u>THE HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTICUT</u> have inspect the components described in this Owner's Report during the period <u>$2-7-94$</u> <u>$7-7-95$</u> , and state that to the best of my knowledge and belief, the Owner performed examinations and taken corrective measures described in this Owner's Report in accordance the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer makes any warranty, expressed on 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. Mamon MMM adams commissions <u>TW971</u>	CERTIFICATE OF INSERVICE	INSPECTION
Vessel Inspectors and the State or Province of <u>TENNESSEE</u> and employ <u>THE HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTICUT</u> have inspect the components described in this Owner's Report during the period <u>$2-7-94$</u> <u>$7-7-95$</u> , and state that to the best of my knowledge and belief, the Owner performed examinations and taken corrective measures described in this Owner's Report in accordance the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer makes any warranty, expressed on 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. Qamon Maladaaa Commissions TW971		
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. Ramon Claudanes Commissions	THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD,	CONNECTICUT have inspec
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.	THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , the components described in this Owner's Report during the p 7-7-95, and state that to the be performed examinations and taken corrective measures describe	$\frac{\text{CONNECTICUT}}{\text{eriod}} \xrightarrow{\text{Ave inspective}} - 7 - 9 4$ st of my knowledge and belief, the Owne
injury or property damage or a loss of any kind arising from or connected with this inspection. Ramon Clalladaus Commissions	THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , the components described in this Owner's Report during the p 7-7-95, and state that to the be performed examinations and taken corrective measures describe the requirements of the ASME Code, Section XI.	CONNECTICUT have inspect eriod $2 - 7 - 94$ st of my knowledge and belief, the Owner ed in this Owner's Report in accordance
Ramon Calladares commissions TN971	THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , the components described in this Owner's Report during the p 7-7-95, and state that to the be performed examinations and taken corrective measures describe the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his em	CONNECTICUT have inspect meriod <u>2-7-94</u> st of my knowledge and belief, the Owner and in this Owner's Report in accordance ployer makes any warranty, expressed or
Camon Calladares commissions TN971	THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , the components described in this Owner's Report during the p 7-7-95, and state that to the be performed examinations and taken corrective measures describe the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his em implied, concerning the examinations and corrective measures	CONNECTICUT have inspect heriod 2-7-94 st of my knowledge and belief, the Owner hed in this Owner's Report in accordance ployer makes any warranty, expressed or described in this Owner's Report.
Inspector's Signature National Board, State, Province, and Endorse	THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , the components described in this Owner's Report during the p 7-7-95, and state that to the be performed examinations and taken corrective measures describe the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his em implied, concerning the examinations and corrective measures Furthermore, neither the Inspector nor his employer shall be	CONNECTICUT have inspect eriod $2 - 7 - 94$ st of my knowledge and belief, the Owner ed in this Owner's Report in accordance ployer makes any warranty, expressed or described in this Owner's Report. liable in any manner for any personal
	<u>THE HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD</u> , the components described in this Owner's Report during the p <u>7-7-95</u> , and state that to the be performed examinations and taken corrective measures describe the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his em implied, concerning the examinations and corrective measures Furthermore, neither the Inspector nor his employer shall be injury or property damage or a loss of any kind arising from Camon Couldadaus Commissions <u>7</u>	$\frac{\text{CONNECTICUT}}{\text{Reriod}} \text{ have inspective}$ <pre>seriod $2 - 7 - 94$</pre> st of my knowledge and belief, the Owner ed in this Owner's Report in accordance ployer makes any warranty, expressed or described in this Owner's Report. liable in any manner for any personal or connected with this inspection. 3971
	<u>THE HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD</u> , the components described in this Owner's Report during the p <u>7-7-95</u> , and state that to the be performed examinations and taken corrective measures describe the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his em implied, concerning the examinations and corrective measures Furthermore, neither the Inspector nor his employer shall be injury or property damage or a loss of any kind arising from Camon Couldadaus Commissions <u>7</u>	$\frac{\text{CONNECTICUT}}{\text{Reriod}} \text{ have inspectation}$ <pre>seriod $2 - 7 - 94$</pre> st of my knowledge and belief, the Owner ed in this Owner's Report in accordance ployer makes any warranty, expressed or described in this Owner's Report. liable in any manner for any personal or connected with this inspection. 3971

Pege 23 of 56

APPENDIX II - MANDATORY

Section 1

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1	. Owner	CAROLINA POW	ER & LIGHT COMPA	NY	Date _	7/*	10/95	
			Name					
··· 1	411	AYETTEVILLE ST. Add	<u>, RALEIGH, NC 27</u> ress	/602	Sheet .	<u>1_</u> of		
2	. Pla	nt H.B.ROBINSON			Unit _	HBR2		
Same -		• •	Name					
	358	1 W ENTRANCE RD	HARTSVILLE SC 2	29551		WR/JO 9	23-ANWY1	
			ress		Repair C	rganizatio	on PO NO., Job	No., etc.
. 3	. Work	Performed by MA	INTENANCE		Type C	ode Symbol	Stamp <u>N/A</u>	
			Name		Author	ization No	». <u>N/A</u>	
		· ·	••					
	SAM	E AS 2 ABOVE			Expira	tion Date	N/A	
• •	e	Add	ress	• •				
4	Iden	tification of Sy	vstemCV	cs	CLASS 3		······	
5	(a)	Applicable Const	ruction Code <u>B3</u>	<u>1.1</u> 19_	67_Edition,	N/A Ad	denda <u>, N/A</u>	Code Case
. W.	(b)	Applicable Edit	ion of Section 3	(I:Utilized	for Repairs ór Rep	olacements	19 <u>86</u>	
6	5. Iden	tification of Co	omponents Repair	ed or Replac	ed and Replacemen	t Componen	ts	······································
Ĩ	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired, Replaced,	ASME Code
	Component	nanaractarer						1

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Identification	Built	Replaced, or Replacement	Code Stamped (¥es or
		•	, ·	· · ·	1.00 ²		No)
CVC-341	EBASCO	N/A	N/A	STUDS	1971	REPLACED	NO
CVC-341	MAINTENANCE	N/A	N/A	STUDS	1993	REPLACEMENT	NO
			<u> </u>		l	<u> </u>	

7.

8.

Description of Work REPLACED STUDS, NUTS AND DIAPHRAGM DUE TO BORIC ACID LEAKAGE.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X] EXTERNAL LEAKAGE CHECK Other [] Pressure N/A psi Test Temp. N/A °F

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SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

	Applicable Manufacturer's Data Reports to be attached
	
<u>••••</u> ••	
·	
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> repair or replacemen
	irms to the rules of the ASME Code, Section XI.
	Code Symbol StampN/AExpiration DateN/A
1	
:Signe	Owner or Owner's Designee, Title SR.SPECIALIST Date7/10, 19_9
	CERTIFICATE OF INSERVICE INSPECTION
i +h	the test of the second second by the National Board of Poilor and Prossure
,	e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure
	e undersigned, holding a valid commission issued by the National Board of Borter and Pressure
Vesse <u></u>	I Inspectors and the State or Province of <u>TENNESSEE</u> and employed HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD, CONNECTICUT</u> have inspect
Vesse <u></u>	l Inspectors and the State or Province of <u>TENNESSEE</u> and employed
Vesse <u></u>	I Inspectors and the State or Province of <u>TENNESSEE</u> and employed HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD, CONNECTICUT</u> have inspect
Vesse <u>THE</u> the c	I Inspectors and the State or Province of <u>TENNESSEE</u> and employed <u>HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTICUT</u> have inspect components described in this Owner's Report during the period $2 - 7 - 9 $
Vesse <u>THE</u> the c perfo	I Inspectors and the State or Province of <u>TENNESSEE</u> and employed <u>HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTICUT</u> have inspect components described in this Owner's Report during the period $2 - 7 - 9 $
Vesse <u>THE</u> the c perfo	Inspectors and the State or Province of <u>TENNESSEE</u> and employed <u>HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTICUT</u> have inspect components described in this Owner's Report during the period $2 - 7 - 9 \overline{7}$ $7 - 7 - 9 \overline{5}$, and state that to the best of my knowledge and belief, the Owner prmed examinations and taken corrective measures described in this Owner's Report in accordance of the state
Vesse <u>THE</u> the c perfo	Inspectors and the State or Province of <u>TENNESSEE</u> and employed <u>HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTICUT</u> have inspect components described in this Owner's Report during the period $2 - 7 - 9 \overline{7}$ $7 - 7 - 9 \overline{5}$, and state that to the best of my knowledge and belief, the Owner prmed examinations and taken corrective measures described in this Owner's Report in accordance of the state
Vesse <u>THE</u> the c perfo the r	Inspectors and the State or Province of <u>TENNESSEE</u> and employed <u>HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTICUT</u> have inspector components described in this Owner's Report during the period $2 - 7 - 9 \overline{9}$ $7 - 7 - 9 \overline{5}$, and state that to the best of my knowledge and belief, the Owner primed examinations and taken corrective measures described in this Owner's Report in accordance of requirements of the ASME Code, Section XI.
Vesse <u>THE</u> the c perfo the r By si impli	Inspectors and the State or Province of <u>TENNESSEE</u> and employed <u>HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTICUT</u> have inspect components described in this Owner's Report during the period <u>$2-7-99$</u> , <u>$7-7-95$</u> , and state that to the best of my knowledge and belief, the Owner primed examinations and taken corrective measures described in this Owner's Report in accordance to requirements of the ASME Code, Section XI. gning this certificate neither the Inspectors or his employer makes any warranty, expressed or
Vesse <u>THE</u> the c perfo the r By si impli Furth	Inspectors and the State or Province of <u>TENNESSEE</u> and employed <u>HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTICUT</u> have inspect components described in this Owner's Report during the period <u>2-7-99</u> <u>7-7-99</u> , and state that to the best of my knowledge and belief, the Owner primed examinations and taken corrective measures described in this Owner's Report in accordance is requirements of the ASME Code, Section XI. gning this certificate neither the Inspectors or his employer makes any warranty, expressed or ed, concerning the examinations and corrective measures described in this Owner's Report.
Vesse <u>THE</u> the c perfo the r By si impli Furth	Inspectors and the State or Province of <u>TENNESSEE</u> and employed <u>HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTICUT</u> have inspector components described in this Owner's Report during the period $2 - 7 - 9 \varphi$ $7 - 7 - 9 \varphi$, and state that to the best of my knowledge and belief, the Owner primed examinations and taken corrective measures described in this Owner's Report in accordance of requirements of the ASME Code, Section XI. gning this certificate neither the Inspectors or his employer makes any warranty, expressed or ed, concerning the examinations and corrective measures described in this Owner's Report. hermore, neither the Inspector nor his employer shall be liable in any manner for any personal
Vesse <u>THE</u> the c perfo the r By si impli Furth	Inspectors and the State or Province of <u>TENNESSEE</u> and employed <u>HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTICUT</u> have inspector components described in this Owner's Report during the period $2 - 7 - 9 - 9 - 9 - 7 - 9 - 9 - 7 - 9 - 9$
Vesse <u>THE</u> the c perfo the r By si impli Furth	Inspectors and the State or Province of <u>TENNESSEE</u> and employed <u>HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTICUT</u> have inspector components described in this Owner's Report during the period $2 - 7 - 9 \varphi$ $7 - 7 - 9 \varphi$, and state that to the best of my knowledge and belief, the Owner primed examinations and taken corrective measures described in this Owner's Report in accordance of requirements of the ASME Code, Section XI. gning this certificate neither the Inspectors or his employer makes any warranty, expressed or ed, concerning the examinations and corrective measures described in this Owner's Report. hermore, neither the Inspector nor his employer shall be liable in any manner for any personal
Vesse <u>THE</u> the c perfo the r By si impli Furth	ARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT have inspected in this Owner's Report during the period $2 - 7 - 9 = 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 9 = 7 - 7 - 7 - 9 = 7 - 7 - 7 = 7 = 7 - 7 - 7 = 7 - 7 = 7 =$

Page 24 of 56

	F	ORM NIS-2 OWNER	'S REPORT FO	R REPAIRS OR REPL	ACEMENTS				
	As	Required by the	Provisions	of the ASME Code	Section XI				
. Owne	r <u>CAROLINA POW</u>	ER & LIGHT COMPA	NY	Date _		7/17/95			
<u>411</u>	FAYETTEVILLE ST. Add	<u>, RALEIGH, NC 27</u> ress	602	Sheet	of	1			
. Pla	nt <u>H.B.ROBINSON</u>	Name		Unit _	HBR2				
358	1 W ENTRANCE RD	HARTSVILLE SC 2	29551	Repair C		04-ANNU1 on PO NO., Job	No., et		
. Worl	Performed by <u>MA</u>		Repair Organization PO NO., Job No., e						
	•	Name			Authorization No. <u>N/A</u>				
_ <u></u>	IE AS 2 ABOVE Add	ress		Expira	tion [.] Date	<u> </u>			
	ntification of Sy								
				<u>67</u> Edition, for Repairs or Re		.*	Code		
. Idei	ntification of Co	mponents Repair	ed or Replac	ed and Replacemen	t Componer	nts			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASM Cod Stamp (Yes No		
SF PMP B	EBASCO	N/A	N/A	STUDS & NUTS	1971	REPLACED	NO		
SF PMP B	MAINTENANCE	N/A	N/A	STUDS & NUTS	1995	REPLACEMENT	NC		
	· ·								

الجار العامي المحاصر

lests

N/A °F Test Temp. N/A psi Other [X] Pressure 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.

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SECTION XI - DIVISION 1

1986 Edition

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FORM NIS-2 (Back)

•1.

9. Remarks SEE WR/JO 94-ANNU1 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 StampN/A
Certificate of Authorization No, N/A Expiration Date Signed
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>TENNESSEE</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 $2 - 7 - 94$ to
7 - 7 - 95, 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.
Camon C Calladares commissions TN 971
Inspector's Signature National Board, State, Province, and Endorsements
Date <u>7-26</u> , 19 <u>95</u>

Page 25 of 56

1986 Ed	lition APPENDIX I	I - MANDATORY	Form NIS-2
	FORM NIS-2 OWNER'S REPORT	FOR REPAIRS OR REPLACEMENTS	
	As Required by the Provisio	ns of the ASME Code Section XI	
· · ·	Owner CAROLINA POWER & LIGHT COMPANY	Date 7/10/95	
	Name		
* **	411 FAYETTEVILLE ST., RALEIGH, NC 27602 Address	Sheet <u>1</u> of <u>1</u>	
2.	Plant <u>H.B.ROBINSON</u> Name	Unit <u>HBR2</u>	
· · ·	3581 W ENTRANCE RD HARTSVILLE SC 29551	WR/JO 93-ANHN1	
	Address	Repair Organization PO NO.,	Job No., etc.
3.	Work Performed by <u>MAINTENANCE</u>	Type Code Symbol Stamp	N/A
-		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 <u>B31.1</u>	9 <u>67</u> Edition, <u>N/A</u> Addenda,	<u>N/A</u> Code Case
	(b) Applicable Edition of Section XI Utiliz	ed for Repairs or Replacements 19 <u>86</u>	
6.	Identification of Components Repaired or Rep	laced and Replacement Components	

N. 107281 - 1

Repaired, ASME National Other Year Manufacturer Name of Name of Code Identification Built Replaced, Board Serial No. . Component Manufacturer or Stamped No. Replacement (Yes or No) N/A 😳 1971 REPLACED NO STUDS ⊋FIC-154 EBASCO N/A STUDS 1993 REPLACEMENT NO FIC-154 MAINTENANCE N/A N/A

7. Description of Work _____ REPLACED_STUDS_DUE_TO_LEAKAGE

-8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X] EXTERNAL LEAKAGE CHECK Other [] Pressure N/A psi Test Temp. N/A °F

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SECTION XI - DIVISION 1

FORM NIS-2 (Back)

FORM NIS-2 (Back)
. Remarks SEE WR/JO 93-ANHN1 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 StampN/A
Certificate of Authorization No-/ N/A Expiration DateN/A
Signed richard D. Julion SR. SPECIALIST Date 7/10, 19.95
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure
Vessel Inspectors and the State or Province of <u>TENNESSEE</u> and employed
the components described in this Owner's Report during the period $2 - 7 - 94$
7-7-95, and state that to the best of my knowledge and belief, the Owner h
performed examinations and taken corrective measures described in this Owner's Report in accordance wi
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.
$\int \Delta I \int \Delta I \int \Delta I = \frac{1}{2} $
Samon Plalladalladmissions
Samon Alallacallormissions 72971. Inspector's Signature National Board, State, Province, and Endorsement

Page 26 of 56

APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1	. Owner	CAROLINA POW	ER & LIGHT COMPA	<u>\NY</u>	Date _	<u> </u>	7/17/95	
	411		<u>, RALEIGH, NC 27</u> ress	7602	Sheet	of	1	· <u></u>
2	2. Pla	nt <u>H.B.ROBINSON</u>	Name		Unit _	HBR2		
a.)	_ 358		HARTSVILLE SC 2	29551	Repair C		OZ-ANCN1 on PO NO., Job	No., etc.
3	5. Work	Performed by <u>MA</u>					. Stamp <u>N/A</u>	
		1 .	Name		Author	ization No	N/AN/A	
ř,	SAM	E AS 2 ABOVE	ress		t. Expira	tion Date	N/A	
-4	. Iden		vstem	CVCS	CLASS 2			
5	5. (a)	Applicable Const	ruction Code <u>B31</u>	.1 19 _	67_Edition,	N/A Ad	denda, <u>N/A</u>	Code Case
	(b)	Applicable Edit	ion of Section)	(I Utilized	for Repairs or Re	placements	19 <u>86</u>	
6	6. Iden	tification of Co	omponents Repair	ed or Replac	ed and Replacemen	t Componen	ts	
	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)
	асvс-275в	EBASCO	N/A 🔄	N/A	DIAPHRAGM	1971	REPLACED	NO
	CVC-275B	MAINTENANCE	N/A	N/A	DIAPHRAGM	1995	REPLACEMENT	NO
- 11		1				1		

Description of Work_REPLACED_BONNET_AND_DIAPHRAGM_ASSEMBLY.

7. 8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [X] Pressure N/A psi Test Temp. N/A [°]F EXTERNAL LEAKAGE CHECK

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SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

 Remarks SEE WR/JO 92-ANCN1 TURNOVER PACKAGE. 	

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 N/A
Certificate of Authorization No. / N/A Expiration DateN/A
Signed Strand MUN Stern SR. SPECIALIST Date 7/17, 19.95
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure
Vessel Inspectors and the State or Province of <u>TENNESSEE</u> and employed by
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT have inspected
the components described in this Owner's Report during the period $2 - 7 - 94$ to $7 - 7 - 95$, 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.
Camon Challadares commissions
Inspector's Signature National Board, State, Province, and Endorsements
Date <u>7-26</u> , 19 <u>75</u>

Page 27 of 56

APPENDIX II - MANDATORY

Form NIS-2

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

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As Required by the Provisions of the ASME Code Section XI

	Owner	CAROLINA POW	ER & LIGHT COMPA Name	ANY	Date _		7/10/95	
	<u>411 F</u>		, RALEIGH, NC 27	7602	Sheet	1_ of	1	
2.	Plan	t <u>H.B.ROBINSON</u>	•	<u> </u>	Unit _	HBR2	•	
	3581	-	HARTSVILLE SC 2	29551	Repair C		93-AMSM1 on PO NO., Job	
	Work	Performed by <u>MA</u>		······································			l Stamp <u>N/A</u>	
	SAME	AS 2 ABOVE	ress				N/AN/A	
• •	Ident		stemC	vcs c	CLASS 2			
	(a)	Applicable Cons	truction Code <u>B</u>	<u>31.1 '</u> 19_	<u>67</u> Edition,	N/A Ac	denda, <u>N/A</u>	Code (
5.		Applicable Edit	ion of Section 3	XI Utilized	for Repairs or Re	placements	s 19 <u>86</u>	
	I den 1	ification of Co	mponents Repair	ed or Replac	ed and Replacemen	t Componer	nts	
	Iden1 me of ponent	Name of Co Name of Manufacturer	mponents Repair Manufacturer Serial No.	ed or Replac National Board No.	ed and Replacemen Other Identification	t Componer Year Built	Repaired, Replaced, or Replacement	· ·
Com	me of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced, or	Code Stampe (Yes or
Com CVC	me of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stampe (Yes or No)
Com CVC	me of ponent -203B	Name of Manufacturer EBASCO	Manufacturer Serial No. N/A	National Board No. N/A	Other Identification STUDS	Year Built - 1971	Repaired, Replaced, or Replacement REPLACED	Code Stampe (Yes or No) NO

Other [X] Pressure N/A psi Test Temp. N/A °F BENCH TESTED

9.

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SECTION XI - DIVISION 1

FORM NIS-2 (Back)

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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 StampN/A					
_Certificate of Authorization NoN/A	Expiration Date <u>N/A</u>				
	Date <u>7/10</u> , 19 <u>95</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	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 7 - 7 - 75, and state that to the best of my k	nowledge 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 mak	es 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 connec	ted with this inspection.				
Camon Clalla delle Commissions 7297 Inspector's Signature National Board,	7/ State, Province, and Endorsements				
Date 7-26 , 19 <u>95</u>	-				

Page 28 of 56

APPENDIX II - MANDATORY

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Form NIS-2

YES

VT-2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner	CAROLINA POW	ER & LIGHT COMPA Name	INY	Date _		7/18/95	
م م	<u>411 F</u>	AYETTEVILLE ST. Addr		7602	Sheet .	1_ of	1	
2.	Plar	nt <u>H.B.ROBINSON</u>	Name	<u> </u>	Unit _	HBR2		
 	_3581	W ENTRANCE RD Addi		29551	Repair O		24-AMJT1 on PO NO., Job	No., etc.
3.	Work	Performed by MA	INTENANCE		Туре С	ode Symbol	Stamp <u>N/A</u>	
			Name		Author	ization No	0- <u>N/A</u>	
'ș	SAME	AS 2 ABOVE Add			Expira	tion Date	N/A	
. 4.	Ident	tification of Sy	stem	MAIN	STEAM CL	ASS 2		· <u> </u>
5.	(a)	Applicable Cons	truction Code_SE	<u></u> 19_	<u>80</u> Edition, <u> </u>	<u>480</u> Ad	denda, <u>N/A</u>	Code Case
	(b)	Applicable Edit	ion of Section)	(I Utilized	for Repairs or Rep	placements	19 <u>86</u>	
6.	Iden	tification of Co	mponents Repaire	ed or Replac	ed and Replacement	t Componen	ts	
	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 C	WESTINGHOUSE	N/A	N/A	N/A	1983	REPLACED	YES

STM.GEN C WESTINGHOUSE N/A N/A N/A 1963 REPLACED

7.

Description of Work <u>REPLACED STEAM GEN. C HAND HOLE COVER STUDS (2) AND 12 LOCKING PLATES.</u>

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X]

8.

ſemp. °F

Other [] Pressure

Test Temp.

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.

psi

11988 (S. 1997) B. 1998 (B. 1998)

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)
9. Remarks SEE WR/JO 94-AMJT1 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 thisREPLACEMENT
repair or replacement
conforms to the rules of the ASME Code, Section XI.
Type Code Symbol StampN/A
Certificate of Authorization No / N/A Expiration Date
signed kunner Aller SR. SPECIALIST Date 7/18, 19.95
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure
Vessel Inspectors and the State or Province of TENNESSEE and employed b
THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD, CONNECTICUT have inspected
the components described in this Owner's Report during the period $2 - 7 - 94$ to
7 - 7 - 95, 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 wit
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.

Date ______ 19 25

Page 29 of 56

APPENDIX II - MANDATORY

Form NIS-2

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

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As Required by the Provisions of the ASME Code Section XI

1.	Öwnei	CAROLINA POW	ER & LIGHT COMPA	ANY	Date	7	/18/95	
1.	On ici		Name		-			
	<u>411 </u>		<u>, RALEIGH, NC 27</u> ress	/602	Sheet	of	1	
2.	Plar	nt H.B.ROBINSON	I		Unit _	HBR2		
2.	,		Name		–			
-8.1	_358	1 W ENTRANCE RD	HARTSVILLE SC 2	29551			04-AMJS1	
		Add	ress		Repair C	organizati	on PO NO., Job	No., etc.
3.	Work	Performed by MA	INTENANCE		Туре С	ode Symbol	. Stamp <u>N/A</u>	· · · · · · · · · · · · · · · · · · ·
			Name		Author	ization No	DN/A	
÷	SAM	E AS 2 ABOVE			Expira	tion Date	N/A	
.**			ress					
4.	Iden	tification of Sy	/stem	MAIN.STE	AM (CLASS 2		<u></u>
						1180 40	Idanda N/A	Code Cas
5.							•	_ 0000 000
	(b)	Applicable Edit	ion of Section >	KI Utilized	for Repairs or Rep	placements	19 <u>86</u>	
6.	Iden	tification of Co	omponents Repair	ed or Replac	ed and Replacement	t Componer	ts	<u></u>
Name Compo		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or	ASME Code Stamped
							Replacement	(Yes or No)
STM.G	GEN.B	WESTINGHOUSE	N/A	N/A	N/A	1983	REPLACED	YES
STM.G	GEN.B	MAINTENANCE	N/A	N/A	N/A	1995	REPLACEMENT	YES

.

7. Description of Work_REPLACED ONE STEAM GENERATOR HAND HOLE STUD, 12 LOCKING PLATES & 6 GASKETS.

8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [X] Pressure N/A psi Test Temp. N/A [°]F EXTERNAL LEAK CHECK

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SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

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	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> repair or replacement
. confo	orms to the rules of the ASME Code, Section XI.
	Code Symbol Stamp N/A
Certi	ficate of Authorization No. / N/A Expiration DateN/A
Şigne	
	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION ne undersigned, holding a valid commission issued by the National Board of Boiler and Pressure
	el Inspectors and the State or Province of <u>TENNESSEE</u> and employed
THE	HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT have inspecte
the d	components described in this Owner's Report during the period $2 - 7 - 94$
	7 - 7 - 95, and state that to the best of my knowledge and belief, the Owner
perfo	ormed examinations and taken corrective measures described in this Owner's Report in accordance w
the I	requirements of the ASME Code, Section XI.
·	
	igning this certificate neither the Inspectors or his employer makes any warranty, expressed or
	ied, concerning the examinations and corrective measures described in this Owner's Report.
	hermore, neither the Inspector nor his employer shall be liable in any manner for any personal
inju	ry or property damage or a loss of any kind arising from or connected with this inspection.
Ac	Inspector's Signature Commissions
. •	Inspector's Signature National Board, State, Province, and Endorsemen

Page 30 of 56

1986 Edition

APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1	. Owner	CAROLINA POW	ER & LIGHT COMPA Name	NY	Date _	7/10/95		, <u>.</u> .
•	<u>411 </u>	FAYETTEVILLE ST. Addr	<u>, RALEIGH, NC 27</u> ress	7602	Sheet	<u>1_</u> of	1	
2	2. Plan	nt <u>H.B.ROBINSON</u>	Name		Unit _	HBR2		
2 	358	<u>1 W ENTRANCE RD</u> Addi	HARTSVILLE SC 2	29551	Repair C		<mark>3-AMHW3</mark> on PO NO., Job	No., etc.
3	3. Work	Performed by <u>MA</u>	INTENANCE Name				Stamp <u>N/A</u>	
	SAM	E AS 2 ABOVE Add	ress					
	5. (a) (b)	Applicable Edit	ruction Code <u>B</u>	31.1 19 _ KI Utilized	CLASS 1 67_Edition, for Repairs or Rep red and Replacemen	<u>N/A</u> Ad	19 <u>86</u>	
·	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
•. •.	CVC-312B	WESTINGHOUSE	N/A	N/A	P/N 739-997-16	1971	REPLACED	NO
×	CVC-312B	WESTINGHOUSE	N/A	N/A	P/N 739-997-16	1993	REPLACEMENT	NO

7.

Description of Work INSTALLED SEAL RING OVER BONNET STUDS (OPTIONAL DESIGN) DUE TO LEAKAGE.

÷8.

Tests Conducted: Hydrostatic [X] Pneumatic [] Nominal Operating Pressure []

Other [] Pressure 2375 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.

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

9. Remarks SEE WRE/JO 93-AMHW3 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 N/A Certificate of Aythorization No. / N/A Expiration Date _______ signed futrod Buber SR. SPECIALIST Date 7/10, 19.95 Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>TENNESSEE</u> _____ 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 2 - 7 - 99to 7 - 7 - 95, 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. Inspector's Signature Commissions TN971 National Board, State. amon (National Board, State, Province, and Endorsements 7-26 , 19 95 Date ____

Page 3/ of 56

	1986	Edi	ti	or
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APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

- -	a 1. Owner <u>CAROLINA POWER & LIGHT COMPANY</u> Name				Date7/10/95				
	<u>41</u>	1 FAYETTEVILLE ST Add	., RALEIGH, NC 2 Iress	7602	Sheet <u>1</u> of <u>1</u>				
	2. F	lant <u>H.B.ROBINSO</u>	Name	······································	Unit _	HBR2			
		581 W ENTRANCE RD Add	HARTSVILLE SC	29551	Repair (03-AMHL4 on PO NO., Job		
	3. Work Performed by <u>MAINTENANCE</u> Name					·	Stamp <u>N/A</u>		
	<u>.</u>	AME AS 2 ABOVE Add	Iress	. <u></u>	Expira	tion Date	N/A		
		lentification of Sy) Applicable Cons				N/A Ac	denda, <u>N/A</u>	Code Case	
) Applicable Edit							
*• 	Name of Componer		Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
1 77° 1	MS-261A	EBASCO	N/A	N/A	~ N/A	1971	REPAIRED	NO	
		· · · · · · · · · · · · · · · · · · ·							

7.

-e 8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X] EXTERNAL LEAKAGE CHECK & NDE Other [] Pressure N/A psi Test Temp. N/A °F

9.

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

Applicable Manufacturer's Data Reports to be attached

Remarks _____SEE WR/JO 93-AMHL4 TURNOVER PACKAGE

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correc	ct and this	REPAIR	
		repair or	replacement
conforms to the rules of the ASME Code, Section XI.	•°		
Type Code Symbol Stamp N/A			
Certificate of Aythorization NoN/A	Expirat	ion Date _	N/A
Signed burn & Clepter SR. SPECIALIST	Date	7/10	, 19 <u>_95</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>TENNESSEE</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 2-7-94 to 1-7-95, 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.

Inspector's Signature Commissions National Board, State

7-24 , 19 95

Date

National Board, State, Province, and Endorsements

Page 32 of 56

APPENDIX II - MANDATORY

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Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

- 1	. Owne	r <u>CAROLINA POW</u>		ANY	Date _		7/19/95	
-		FAYETTEVILLE ST. Add	Name , RALEIGH, NC 21 ress	7602	Sheet	1_ of	1	
~ ~2	. Pla	nt <u>H.B.ROBINSON</u>	Name		Unit _	HBR2		
٦.	_358	1 W ENTRANCE_RDAdd	HARTSVILLE SC ;	29551	Repair C		04-ALCM1 on PO NO., Job	No., etc.
3	. Work	Performed by <u>MA</u>	INTENANCE Name				l Stamp <u>N/A</u>	
	SAM	E AS 2 ABOVE	ress				N/AN/A	
4	. Iden	tification of Sy		CCW		CLASS 2		
5					_67_Edition,			Code Cas
: 6			•	- *	for Repairs or Re			
	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)
	: CC-716B	EBASCO	N/A	N/A	STUDS & NUTS	1971	REPLACED	NO
	CC-716B	MAINTENANCE	N/A	N/A	STUDS & NUTS	1995	REPLACEMENT	NO
~							<u></u>	

... 7.

Description of Work_REPLACED BONNET STUDS AND NUTS.

8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [X] Pressure N/A psi Test Temp. N/A °F EXTERNAL LEAKAGE CHECK

SECTION XI - DIVISION 1

Form NIS-2

FORM NIS-2 (Back)

Remarks SEE WR/JO 94-AMAI1 TURNOVER PACKAGE. 9.

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 N/A					
Certificate of Authorization No. / N/A Expiration Date N/A					
Signed Library SR. SPECIALIST Date 7/19, 19 95					
Owner or Owner's Designee, Title					
CERTIFICATE OF INSERVICE INSPECTION					
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure					
Vessel Inspectors and the State or Province of <u>TENNESSEE</u> 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 $2-7-99$ to					
1 - 1 - 95, 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.					
Ramon Calladanes Commissions 72971 Inspector's Signature National Board, State, Province, and Endorsements					
Date 7-26, 19 95					

Page 33 of 56

APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner <u>CAROLINA POWER & LIGHT COMPANY</u> Name	Date7/10/95
	411 FAYETTEVILLE ST., RALEIGH, NC 27602 Address	Sheet <u>1</u> of <u>1</u>
2.	Plant <u>H.B.ROBINSON</u> Name	Unit <u>HBR2</u>
	3581 W ENTRANCE RD HARTSVILLE SC 29551 Address	WR/JO 93-AMGB5 Repair Organization PO NO., Job No., etc.
3.	Work Performed by <u>MAINTENANCE</u> Name	Type Code Symbol Stamp <u>N/A</u>
	. Came	Authorization No. <u>N/A</u>
	SAME AS 2 ABOVE Address	Expiration Date <u>N/A</u>
4.	Identification of SystemREACTOR COOLANT	CLASS 1
5.	(a) Applicable Construction Code <u>B31.1</u> 19 <u>6</u>	57 Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_86____

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-312A	WESTINGHOUSE	N/A	N/A	P/N 739-997-16	1971	REPLACED	NO
CVC-312A	WESTINGHOUSE	N/A	N/A	P/N 739-997-16	1993	REPLACEMENT	Ю

7. Description of Work_INSTALLED_SEAL RING OVER BONNET_STUDS (OPTIONAL DESIGN) DUE TO LEAKAGE.

8.

6.

Tests Conducted: Hydrostatic [X] Pneumatic [] Nominal Operating Pressure []

Other [] Pressure 2375 psi Test Temp. >500 °F

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SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

Remarks _____SEE_WR/JO_93-AMGB5_TURNOVER_PACKAGE 9.

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 StampN/A	
Certificate of Authorization No. <u>N/A</u> Signed SR.SPECIALIST Owner or Owner's Designee, Title	Expiration Date <u>N/A</u> Date <u>7/10</u> , 19 <u>95</u>
CERTIFICATE OF INSERVICE INSPECTION	I
I, the undersigned, holding a valid commission issued by the National Vessel Inspectors and the State or Province of <u>TENNESSEE</u> <u>THE HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTICA</u> the components described in this Owner's Report during the period <u>7-7-95</u> , and state that to the best of my b performed examinations and taken corrective measures described in this the requirements of the ASME Code, Section XI.	and employed by \underline{UT} have inspected $\underline{2 - 7 - 94}$ to knowledge and belief, the Owner has
By signing this certificate neither the Inspectors or his employer main implied, concerning the examinations and corrective measures described Furthermore, neither the Inspector nor his employer shall be liable in injury or property damage or a loss of any kind arising from or conne	d in this Owner's Report. n any manner for any personal
	7/ State, Province, and Endorsements
Date 7-26, 19 95	

Page 34 of 56

APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner <u>CAROLINA POWER & LIGHT COMPANY</u> Name	Date 7/17/95				
	411 FAYETTEVILLE ST., RALEIGH, NC 27602 Address	Sheet <u>1</u> of <u>1</u>				
2.	Plant <u>H.B.ROBINSON</u> Name	Unit <u>HBR2</u>				
e	3581 W ENTRANCE RD HARTSVILLE SC 29551 Address	WR/JO 93-AMEL1 Repair Organization PO NO., Job No., etc.				
3.	Work Performed by <u>MAINTENANCE</u> Name	Type Code Symbol Stamp <u>N/A</u>				
	SAME AS 2 ABOVE Address	Expiration Date <u>N/A</u>				
4.	Identification of System	CLASS 2				
5.	 (a) Applicable Construction Code <u>B31.1</u> (b) Applicable Edition of Section XI Utilized 	<u>67</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case for Repairs or Replacements 19 <u>86</u>				
6.	Identification of Components Repaired or Replac	ed 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)
RHR-757C	EBASCO	N/A	N/A,	N/A	1971	REPLACED	NO
RHR-757C	MAINTENANCE	N/A	N/A	N/A	1995	REPLACEMENT	NO
							ļ

7. Description of Work REPLACED DISC, STEM, WEDGE, PINS, PACKING AND GASKET DUE TO VALVE HARD TO OPERATE.

8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [x] Pressure N/A psi Test Temp. N/A °F EXTERNAL LEAKAGE CHECK

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SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

7.	Remarks	SEE	WR/JO	93-AMEL1	TURNOVER	PACKAGE.
	-					

Applicable Manufacturer's Data Reports to be attached

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· · · ·						
CERTIFICATE OF COMPLIANCE						
We certify that the statements made in the report are correct	and this <u>REPL</u> rep	ACEMENT air or rep	olacement			
conforms to the rules of the ASME Code, Section XI.						
Type Code Symbol StampN/A						
Certificate of Authorization Nor / N/A						
Signed Dicher SR. SPECIALIST Owner or Owner's Designee, Title	Date <u>7</u>	/17	_, 19 <u>_95</u>			
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of and employed by						
the components described in this Owner's Report during the period $2-7-74$ to 7-7-95, 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 making implied, concerning the examinations and corrective measures described. Furthermore, neither the Inspector nor his employer shall be liable in injury or property damage or a loss of any kind arising from or connect M_{MMM} $CORDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA$	d in this Owne n any manner f cted with this	er's Repor for any pe s inspecti	t. rsonal on.			

Pege 35 of 56

1986 Edition	2
	FORM NIS-
	As Required

APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

		- ·
1.	Owner <u>CAROLINA POWER & LIGHT COMPANY</u> Name	Date7/17/95
	411 FAYETTEVILLE ST., RALEIGH, NC 27602 Address	Sheet <u>1</u> of <u>1</u>
2.	Plant <u>H.B.ROBINSON</u> Name	Unit <u>HBR2</u>
	3581 W ENTRANCE RD HARTSVILLE SC 29551 Address	WR/JO 94-AMBQ1 Repair Organization PO NO., Job No., etc.
3.	Work Performed by <u>MAINTENANCE</u> Name	Type Code Symbol Stamp <u>N/A</u>
x -	SAME AS 2 ABOVE Address	Expiration DateN/A
4.	Identification of System CONDEN	SATECLASS_3
5.	(a) Applicable Construction Code <u>B31.1</u> 1	9 <u>67</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case
	(b) Applicable Edition of Section XI Utilize	d for Repairs or Replacements 19 <u>86</u>

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)
CS TANK	EBASCO	N/A	N/A	PIPING	1971	REPLACED	NO
CS TANK	MAINTENANCE	N/A	N/A.	PIPING	1995	REPLACEMENT	NO

3

7. Description of Work REPLACED ELBOW AND PIPE ON FILL LINE TO CS TANK DUE TO IN LEAKAGE.

8.

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1. A. 14

6.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [X] Pressure N/A psi Test Temp. N/A °F

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SECTION XI - DIVISION 1

FORM NIS-2 (Back)

9. Remarks SEE WR/JO 94-AMBQ1 TURNOVER PACKAGE.

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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 StampN/A
Certificate of Authorization No. N/A Expiration Date N/A Signed Signed Signed N/A Date 7/17 , 19 95 Owner or Owner's Designee, Title Signed Signed Signed Signed N/A
CERTIFICATE OF INSERVICE INSPECTION
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>TENNESSEE</u> and employed by
THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD, CONNECTICUT have inspected the components described in this Output's Perpet during the period $2 - 7 - 94$ to
the components described in this Owner's Report during the period $2-7-94$ to $7-7-95$, 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.
Jamon Plaladaus commissions 971
Inspector's Signature National Board, State, Province, and Endorsements
Date $7 - 26$, 19 95

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1986 E	di	tic	on
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Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner <u>CAROLINA POWER & LIGHT COMPANY</u> Name	Date7/17/95
ω,	411 FAYETTEVILLE ST., RALEIGH, NC 27602 Address	Sheet <u>1</u> of <u>1</u>
. 2.	Plant <u>H.B.ROBINSON</u> Name	Unit <u>HBR2</u>
	3581 W ENTRANCE RD HARTSVILLE SC 29551	WR/JO 93-AKIC1
	Address	Repair Organization PO NO., Job No., etc.
3.	Work Performed by <u>MAINTENANCE</u> Name	Type Code Symbol Stamp <u>N/A</u>
		Authorization NoN/A
	SAME AS 2 ABOVE Address	Expiration DateN/A
-4.	Identification of System	CLASS 2
5.	(a) Applicable Construction Code <u>B31.1</u> 19	Edition,N/A Addenda,N/A Code Case
	(b) Applicable Edition of Section XI Utilize	d for Repairs or Replacements 19 <u>86</u>
6.	Identification of Components Repaired or Repl	aced 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)
RHR-757C	EBASCO	N/A	N/A	N/A	·**1971	REPLACED	NO
RHR-757C	MAINTENANCE	N/A	N/A	N/A	1995	REPLACEMENT	NO

7. 2

Description of Work REPLACED DISC, STEM, PACKING, WEDGES AND PIN DUE TO VALVE BEING HARD TO OPERATE.

8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [X] Pressure N/A psi Test Temp. N/A °F EXTERNAL LEAKAGE CHECK

1986 Edition

SECTION XI - DIVISION 1

FORM NIS-2 (Back)

Remarks SEE WR/JO 93-AKIC1 TURNOVER PACKAGE. 9.

Form NIS-2

CERTIFICATE OF COMPLIANCE repair or replacement -conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp N/A Expiration Date <u>N/A</u> Certificate of Authorization No, ______N/A____ SR.SPECIALIST Date 7/17 , 19 95 -Signed 4 reha 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 _____ and employed by Vessel Inspectors and the State or Province of _______ THE HARTFORD STEAM BOILER INSP.& INS. CO. of ______ HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 2 - 7 - 99_ to 7 - 7 - 95, 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. Inspector's Signature Commissions 70971 National Board, State, Province, and Endorsements Date 7-26, 19 95

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1986 Ed	۱t	10	n

MS-261C

7.

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EBASCO

APPENDIX II - MANDATORY

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Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner	CAROLINA POW	ER & LIGHT COMPA	<u>NY .</u> .	Date _		7/18/95	
			Name					
	<u>411 F</u>	AYETTEVILLE ST.	, RALEIGH, NC 27	602	Sheet	of	1	
*		Addı	ress					
.2.	Plar	t H.B.ROBINSON			Unit _	HBR2	<u></u>	
			Name					
•	3581	W ENTRANCE RD	HARTSVILLE SC 2	29551		WR/JO 9	4-AIYW4	
•			ress		Repair O	rganizati	on PO NO., Job	No., etc.
3.	Uark	Performed by MA	INTENANCE		Type C	ode Svmbol	Stamp N/A	
5.	WULK .	Performed by the	Name	<u></u>		,		
					Author	ization No	N/A	
					ana Expira	tion Date	N/A	
•	SAME	Add	ress	••••••	ча скрпа			
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
4.	Ident	ification of Sy	stem	MAIN STEA	Μ	CLASS 2		<u> </u>
5.	(a)	Applicable Const	ruction Code <u>B3</u>	1 <u>.1</u> 19		<u>N/A</u> Ad	denda, <u>N/A</u>	_ Code Case
	(b)	Applicable Edit	ion of Section)	(I Utilized	for Repairs or Rep	olacements	19 <u>86</u>	
6.	Ident	ification of Co	mponents Repaire	ed or Replac	ed and Replacement	t Componen	ts	
	e of	Name of	Manufacturer	National	Öther	Year	Repaired,	ASME
	onent	Manufacturer	Serial No.	Board	Identification	Built	Replaced,	Code
				No.			or	Stamped
							Replacement	(Yes or
								No)

N/A

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Description of Work REPAIRED CRACKS IN BUSHING SLEEVE.

N/A

Other [X] Pressure N/A psi Test Temp. N/A °F EST-086

1971

N/A

REPAIRED

NO

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

Remarks SEE WR/JO 94-AIYW4 TURNOVER PACKAGE. 9.

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 📙 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 and employed by have inspected THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD, CONNECTICUT the components described in this Owner's Report during the period 2 - 7 - 97 to 7 - 7 - 95, 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. Inspector's Signature Commissions 70971 National Board, State, Province, and Endorsements Date 7-26 , 19 95

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1986 Edition

APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner	CAROLINA POW	ER & LIGHT COMPA	ANY	Date _		7/18/95	
••	5		Name		-			
415	<u>411 F</u>		<u>, RALEIGH, NC 23</u> ress	7602	Sheet	<u>1</u> of		
2.	Plan	ht H.B.ROBINSON			Unit	HBR2		
L .	T ta		Name				<i></i>	
	3581	W ENTRANCE RD	HARTSVILLE SC	29551		WR/JO	93-AIYJ1	
		· · · · · · · · · · · · · · · · · · ·	ress		Repair (Drganizati	on PO NO., Job	No., etc.
3.	Work	Performed by <u>MA</u>		<u>_</u> <u>=</u>	Туре С	ode Symbo	l Stamp <u>N/A</u>	· · · ·
-			Name		Author	ization N	0. <u>N/A</u>	· _ · = ·
	SAME	AS 2 ABOVE			Expira	itión Date	N/A	
- 14		Add	ress		• •			
4.	Ident	tification of Sy	stem	RHR	CLASS 2			
5.					<u>67</u> Edition,			Code Cas
6.					ced and Replacemen			
Name Compo		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RHRH	ХВ	EBASCO	N/A	N/A	STUD & NUTS	1971	REPLACED	NO
RHR H	ХВ	MAINTENANCE	N/A	N/A	STUD & NUTS	1995	REPLACEMENT	NO
						 	<u> </u>	
			·				· · · · · · · · · · · · · · · · · · ·	
11			1	1	I	1	1	1

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Description of Work REPLACED ONE FLANGE STUD AND TWO NUTS DUE TO LACK OF THREAD ENGAGEMENT.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [X] Pressure N/A psi Test Temp. N/A °F EXTERNAL LEAK CHECK

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SECTION XI - DIVISION 1

FORM NIS-2 (Back)

Remarks_SEE WR/JO 93-AIYJ1 TURNOVER PACKAGE. 9.

CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct a	and this <u>REPLACEMENT</u> repair or replacement
conforms to the rules of the ASME Code, Section XI.	· · · · · · · · · · · · · · · · · · ·
Type Code Symbol StampN/A	
Certificate of Authorization, No N/A	Expiration Date <u>N/A</u>
Signed allow Allow SR. SPECIALIST	Date7/18, 19_95
Owner or Öwner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
• • • • • • • •	
I, the undersigned, holding a valid commission issued by the National E	Board of Boiler and Pressure
Vessel Inspectors and the State or Province of	and employed by
	•
THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD, CONNECTICUT	have inspected
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT	have inspected $2 - 7 - 97$ to
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT the components described in this Owner's Report during the period 7-7-95, and state that to the best of my kr	have inspected $2 - 7 - 94$ to nowledge and belief, the Owner has
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT the components described in this Owner's Report during the period 7-7-95, and state that to the best of my kr	have inspected $2 - 7 - 94$ to nowledge and belief, the Owner has
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT the components described in this Owner's Report during the period 7-7-95, and state that to the best of my kr performed examinations and taken corrective measures described in this	have inspected $2 - 7 - 94$ to nowledge and belief, the Owner has
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT the components described in this Owner's Report during the period <u>7-7-95</u> , and state that to the best of my kr performed examinations and taken corrective measures described in this the requirements of the ASME Code, Section XI.	have inspected $2 - 7 - 94$ to howledge and belief, the Owner has Owner's Report in accordance with
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT the components described in this Owner's Report during the period <u>7-7-95</u> , and state that to the best of my kr performed examinations and taken corrective measures described in this the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer make	have inspected $2 - 7 - 94$ to nowledge and belief, the Owner has Owner's Report in accordance with es any warranty, expressed or
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT the components described in this Owner's Report during the period <u>7-7-95</u> , and state that to the best of my kr performed examinations and taken corrective measures described in this the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer make implied, concerning the examinations and corrective measures described	have inspected $2 - 7 - 94$ to howledge and belief, the Owner has Owner's Report in accordance with es any warranty, expressed or in this Owner's Report.
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT the components described in this Owner's Report during the period <u>7-7-95</u> , and state that to the best of my kr performed examinations and taken corrective measures described in this the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer make implied, concerning the examinations and corrective measures described Furthermore, neither the Inspector nor his employer shall be liable in	have inspected 2-7-94 to howledge and belief, the Owner has Owner's Report in accordance with es any warranty, expressed or in this Owner's Report. any manner for any personal
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT the components described in this Owner's Report during the period <u>7-7-95</u> , and state that to the best of my kr performed examinations and taken corrective measures described in this the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer make implied, concerning the examinations and corrective measures described Furthermore, neither the Inspector nor his employer shall be liable in	have inspected 2-7-94 to howledge and belief, the Owner has Owner's Report in accordance with es any warranty, expressed or in this Owner's Report. any manner for any personal
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTICUT the components described in this Owner's Report during the period <u>7-7-95</u> , and state that to the best of my kr performed examinations and taken corrective measures described in this the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer make implied, concerning the examinations and corrective measures described Furthermore, neither the Inspector nor his employer shall be liable in injury or property damage or a loss of any kind arising from or connect Man Culladams Commissions <u>Mann</u>	have inspected 2-7-94 to howledge and belief, the Owner has Owner's Report in accordance with es any warranty, expressed or in this Owner's Report. any manner for any personal

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1986 Edition

APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

			Date 7/13/95
1.	Owner <u>CAROLINA POWER & LIGHT COMPANY</u> Name		Date//13/75
	411 FAYETTEVILLE ST., RALEIGH, NC 27602 Address		Sheet <u>1</u> of <u>1</u>
2.	Plant <u>H.B.ROBINSON</u> Name	·	Unit <u>HBR2</u>
	3581 W ENTRANCE RD HARTSVILLE SC 29551		WR/JO 94-AGSQ1
	Address	• .	Repair Organization PO NO., Job No., etc.
3.	Work Performed by <u>MAINTENANCE</u> Name		Type Code Symbol Stamp <u>N/A</u>
			Authorization No. N/A
	SAME AS 2 ABOVE Address	s Nac	Expiration Date <u>N/A</u>
4.	Identification of SystemS	<u>IS</u>	CLASS 2
5.	(a) Applicable Construction Code_ <u>B31.1</u>	19 <u>67</u> Edi	tion, <u>N/A</u> Addenda, <u>N/A</u> Code Cas
	(b) Applicable Edition of Section XI Utili	zed for Repa	irs or Replacements 19 <u>86</u>

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 ^{**}	LINE SI-110	· 1971	REPAIRED	NO

7.

6.

Description of Work <u>REMOVED U-BOLT AND DISCARDED IT DUE TO SEVERE CORROSION.(BETWEEN SI-867A&B)</u>

8.

11.7

· · · .

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [] N/A

Other [] Pressure N/A psi Test Temp. N/A °F

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SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

9. Remarks SEE WR/JO 94-AGSQ1 TURNOVER PACKAGE. (REF. MEMO NED-R-6942)
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>REPAIR</u>
repair or replacement
conforms to the rules of the ASME Code, Section XI.
Type Code Symbol StampN/A
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
Signed the second secon
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
THE HARTFORD STEAM BOILER INSP.& INS. CO. ofHARTFORD, CONNECTICUT have inspected
the components described in this Owner's Report during the period $2 - 7 - 94$ to
7 - 7 - 95, 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.
Camon C Vella dause omnissions _7N 971
Inspector's Signature National Board, State, Province, and Endorsements
Date 7-26 1995

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Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner <u>CAROLINA POWER & LIGHT COMPANY</u> Name	Date7/18/95
-	411 FAYETTEVILLE ST., RALEIGH, NC 27602 Address	Sheet <u>1</u> of <u>1</u>
2.	Plant <u>H.B.ROBINSON</u> Name	Unit <u>HBR2</u>
۰.	3581 W ENTRANCE RD HARTSVILLE SC 29551 Address	WR/JO 95-AGAJ1 Repair Organization PO NO., Job No., etc.
3.	Work Performed by <u>MAINTENANCE</u> Name	Type Code Symbol Stamp <u>N/A</u>
		Authorization No. <u>N/A</u>
. ¥ć	SAMÉ AS 2 ABOVE Address	N/A N/A
4.	Identification of System CVCS	CLASS 2
5.	(a) Applicable Construction Code <u>B31.1</u>	19 <u>67</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_86____

Identification of Components Repaired or Replaced and Replacement Components

 Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SNUBBER	EBASCO	N/Å	N/A	#26	ʻ1971	REPAIRED	NO
		· · · · · · · · · · · · · · · · · · ·		, , , , , , , , , , , , , , , , , , ,			

7.

6.

Description of Work <u>REPAIRED BASE PLATE SCREWS. (3)</u>

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

Other [X] Pressure N/A psi Test Temp. N/A °F EST-032

SECTION XI - DIVISION 1

FORM NIS-2 (Back)

9. Remarks SEE WR/JO 95-AGAJ1 TURNOVER PACKAGE.

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 / N/A Expiration Date N/A Certificate of Authorization No. signed the hard & Uliber SR. SPECIALIST Date 7/18, 19.95 Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure _____ 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 2-7-94___ to 7 - 7 - 95, 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. <u>n (Jugalaals</u> commissions <u>Jug7/</u> Inspector's Signature National Board, State, Province, and Endorsements Kamon Date 7-26 , 19 25

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1986 Ec	lition			Form NIS-2				
		F						
		As	Required by the	Provisions	of the ASME Code	Section XI	I	· -
						<u></u>		
1.	Owner	CAROLINA POW	ER & LIGHT COMP	ANY	Date _		7/18/95	
			Name					
	<u>411 f</u>		, RALEIGH, NC 2	7602	Sheet		1	
•					Unit	HBR2		
2.	Pla	t <u>H.B.ROBINSON</u>	Name					
	758	U ENTRANCE PD	HARTSVILLE SC 2	29551		WR/JO 9	95-AGAA1	
			ress		Repair C		on PO NO., Job	No., etc.
3.	Hork	Performed by MA	INTENANCE		Type C	ode Svmbol	l Stamp <u>N/A</u>	L.
5.	WULK	Per tormed by MA	Name	<u> </u>				
					Author	ization No	DN/A	L
	SAME	AS 2 ABOVE	14		 Expira 	tion Date	N/A	L
		Add	ress					
4.	I den 1	ification of Sy	stem	cvcs	CL	ASS 2		
					(7 Edition		j Idondo N/A	Codo Casa
5.	(a)	Applicable Cons	truction Code <u>B</u>	<u>31.1</u> 19_	<u>67</u> Edition,	<u>N/A</u> AC		_ toue tase
	(b)	Applicable Edit	ion of Section	XI Utilized	for Repairs or Re	placements	19 <u>86</u>	
6.	I den	ification of Co	mponents Repair	ed or Replac	ed and Replacemen	t Componer	nts	
Nam	e of	Name of	Manufacturer	National	Other	Year	Repaired,	ASME
1	onent	Manufacturer	Serial No.	Board	Identification	Built	Replaced,	Code
				No.			or Replacement	Stamped (Yes or

 α_{i}^{\sharp}

(es o No) SUPPORT BOLT 1971 REPLACED NO N/A LCV-1158 EBASCO N/A REPLACEMENT NO MAINTENANCE N/A SUPPORT BOLT 1995 LCV-115B N/A

Description of Work REPLACED SUPPORT PLATE BOLT IN ORDER TO PROPERLY SEAT BOLT HEAD TO SUPPORT PLATE. 7.

-8.

. Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [X] Pressure N/A psi Test Temp. N/A °F GENERAL VISUAL

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

9.

Remarks SEE WR/JO 95-AGAA1 TURNOVER PACKAGE.

.

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 ihard Stille Signed <u>4</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>TENNESSEE</u> 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 2 - 7 - 99_____ to 7-7-95, 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. n (Madanla Commissions 7797/ Inspector's Signature National Board, State, Province, and Endorsements IMON Date 7-26 , 19 95

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1986	Edi	ti	ог

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1.	Ownei	r <u>CAROLINA POW</u>	ER & LIGHT COMP/	ANY	Date _		7/18/95	
			Name					
	<u>411</u>	FAYETTEVILLE ST.	, RALEIGH, NC 27	7602	Sheet	<u> 1 </u> of		
		Add	ress					
<u>2</u> .	Pla	nt H.B.ROBINSON		· · · ·	Unit_	HBR2		
			Name		•			
4.	358	1 W ENTRANCE RD	HARTSVILLE SC 2	29551			94-AFZH1	
			ress		Repair (Organizati	on PO NO., Job	No., etc.
_		Destaural by MA				ode Symbo	l Stamp <u>N/A</u>	
3.	WOLK	Performed by <u>MA</u>	Name		Type e			
					Author	ization No	D. <u>N/A</u>	
						tion Date	N/A	
	SAM	E AS 2 ABOVE Add	ress	. <u></u>	скриа		N/ A	
4.	Iden	tification of Sy	stem	CVCS	CLASS	2		
5.	(a)	Applicable Const	ruction Code B3	1.1 19	67_Edition,	N/A Ac	idenda, <u>N/A</u>	Code Cas
							i.	
	(b)	Applicable Edit	ion of Section)	KI Utilized	for Repairs or Re	placements	; 19 <u>86</u>	
6.	Iden	tification of Co	moonents Repair	ed or Replac	ed and Replacemen	t Componer	nts	
Ē								
	Name of	Name of	Manufacturer	National	Other	Year	Repaired,	ASME Code
	Component	Manufacturer	Serial No.	Board No.	Identification	Built	Replaced, or	Stamped
							Replacement	(Yes or
								No)
	TCV-143	EBASCO	N/A	N/A	N/A	1971	REPLACED	NO
	TCV-143	MAINTENANCE	N/A	N/A	N/A	1995	REPLACEMENT	NO
ľ			· · · · · · · · · · · · · · · · · · ·					
$\ $								
							<u> </u>	l

<u>,</u> 7.

. Description of Work <u>REPLACED STUDS</u>, NUTS, O-RINGS AND GASKETS DUE TO LEAKAGE.

- "8. Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [X] Pressure N/A psi Test Temp. N/A °F STROKE CHECK & OST-104

SECTION XI - DIVISION 1

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Form NIS-2

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FORM NIS-2 (Back)

9. Remarks SEE WR/JO 94-AFZH1 TURNOVER PACKAGE.

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 StampN/A
Certificate of Authorization NoN/A Expiration DateN/A
Signed Wither SR.SPECIALIST Date 7/18, 19.95 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure
Vessel Inspectors and the State or Province ofTENNESSEE 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 $2-7-94$ to 7-7-95, 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.
Remon Challacares commissions TN971
Inspector's Signature National Board, State, Province, and Endorsements
Date $7 - 26$, 19 95

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1986 Edition

APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1.	OwnerCAROLINA POWER & LIGHT COMPANY	Date7/19/95
	Name	
	411 FAYETTEVILLE ST., RALEIGH, NC 27602	Sheet <u>1</u> of <u>1</u>
•	Address	
2.	Plant H.B.ROBINSON	Unit HBR2
	Name	
• *	3581 W ENTRANCE RD HARTSVILLE SC 29551	WR/JO 95-AFLE1
	Address	Repair Organization PO NO., Job No., etc.
3.	Work Performed by MAINTENANCE	Type Code Symbol Stamp <u>N/A</u>
	Name	Authorization NoN/A
	SAME AS 2 ABOVE	Expiration DateN/A
و في	Address	
4.	Identification of System CVCS	CLASS 1
5.	(a) Applicable Construction Code <u>B31.1</u> 19	Edition,N/A Addenda,N/A Code Case
	(b) Applicable Edition of Section XI Utilized	d for Repairs or Replacements 19 <u>86</u>

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-310A	EBASCO	N/A	N/A	NUTS	1971	REPLACED	NO
CVC-310A	MAINTENANCE	N/A	N/A	NUTS	1995	REPLACEMENT	NO
						<u> </u>	

7. Description of Work <u>REPLACED BONNET NUTS DUE TO LEAKAGE</u>.

6.

**8. Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

Other [X] Pressure N/A psi Test Temp. N/A °F EXTERNAL LEAKAGE CHECK

1986 Edition

SECTION XI - DIVISION 1

FORM NIS-2 (Back)

9.	Remarks	SEE	WR/JO	95-AFLE1	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 N/A					
Certificate of Authorization No. N/A Expiration Date N/A Signed March Older SR.SPECIALIST Date 7/19 , 19_95 Owner or Owner's Designee, Title Owner or Owner's Designee, Title SR.SPECIALIST Date 7/19 , 19_95					
CERTIFICATE OF INSERVICE INSPECTION					
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>TENNESSEE</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>2-7-94</u> to <u>7-7-95</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 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. Common Output Commissions 77971 Inspector's Signature Commissions National Board, State, Province, and Endorsements					
Date 7-26, 1995					

Form NIS-2

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Page 44 of 56

1900 Edition	1986	Edition
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Form NIS-2

VT-2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner <u>CAROLINA POWER & LIGHT COMPANY</u>	Date7/19/95
	Name	
	411 FAYETTEVILLE ST., RALEIGH, NC 27602	Sheet <u>1</u> of <u>1</u>
	Address	
2.	Plant H.B.ROBINSON	Unit <u>HBR2</u>
	Name	
a -	3581 W ENTRANCE RD HARTSVILLE SC 29551	WR/JO 95-AFKP1
	Address	Repair Organization PO NO., Job No., etc.
3.	Work Performed by MAINTENANCE	Type Code Symbol Stamp <u>N/A</u>
	Name	Authorization No. N/A
	SAME AS 2 ABOVE	Expiration DateN/A
	Address	
4	Identification of System <u>RC PUMP C PRESS TA</u>	P FLANGES (2), SEAL INJ. FLANGE (1) AND CCW FLANGE (1)
5.	(a) Applicable Construction Code_ <u>B31.1</u>	19 <u>67</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case
	(b) Applicable Edition of Section XI Utili	zed for Repairs or Replacements 19 <u>86</u>

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 PMP C	WESTIMGHOUSE	N/A	N/A	STUDS & NUTS	1971	REPLACED	NO
RC PMP C	MAINTENANCE	N/A	N/A	STUDS & NUTS	1995	REPLACEMENT	NO

7.

Description of Work REPLACED STUDS & NUTS FOR FLANGES REFERENCED IN ITEM 4 ABOVE DUE TO LEAKAGE.

8.

6.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X]

Other [] Pressure N/A psi Test Temp. N/A °F

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SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

Remarks SEE WR/JO 95-AFKP1 TURNOVER PACKAGE. 9.

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 N/A	
Certificate of Authorization No. <u>N/A</u> Signed birtand Maby SR.SPECIALIST Date 7/19, 1995	
Owner or Owner's Designee, Title	_
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>TENNESSEE</u> and employed <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 $2-7-94$ <u>$7-7-95$</u> , and state that to the best of my knowledge and belief, the Owner performed examinations and taken corrective measures described in this Owner's Report in accordance w the requirements of the ASME Code, Section XI.	d to has
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.	
Common CUallandanes Commissions 72971 Inspector's Signature National Board, State, Province, and Endorsemen	 its
Date 7-26, 19 95	

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Owner <u>CAROLINA POWER & LIGHT COMPANY</u>	Date7/12/95
Name	
411 FAYETTEVILLE ST., RALEIGH, NC 27602	Sheet <u>1</u> of <u>1</u>
Address	
Plant H.B.ROBINSON	Unit <u>HBR2</u>
Name	
3581 W ENTRANCE RD HARTSVILLE SC 29551	WR/JO 94-AFII1
Address	Repair Organization PO NO., Job No.,
Work Performed by MAINTENANCE	Type Code Symbol Stamp <u>N/A</u>
Name	
	Authorization No. <u>N/A</u>
SAME AS 2 ABOVE	Expiration DateN/A
Address	

(a) Applicable Construction Code_<u>B31.1</u> 19 <u>67</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case 5.

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_86___

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	REF.PI-4522A	₃ 1971	REPAIRED	NO
		· · · · · · · · · · · · · · · · · · ·					

Description of Work _____ REPAIRED CRACK IN ANGLE SUPPORT. 7.

: ..

Cate-

× 8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure []

N/A °F psi Test Temp. Other [X] Pressure N/A 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.

1986 Edition

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2.

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3.

• • 4.

6.

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

1. 11 5.

Form NIS-2

SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

9.	Remarks	SEE	WR/JO	94-AFII1	TURNOVER	PACKAGE

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>REPAIR</u> repair or replacement
_conforms to the rules of the ASME Code, Section XI.
Type Code Symbol StampN/A
Certificate of Authorization No. N/A Expiration Date N/A Signed Nord SR.SPECIALIST Date 7/12 , 19 95 Owner or Owner's Designee, Title Owner or Owner's Designee, Title SR.SPECIALIST Date 7/12 , 19 95
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>TENNESSEE</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>2-7-94</u> to <u>7-7-94</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 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.
Date 7-26 1995

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APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the 'ASME Code Section XI

		· · · · · · · · · · · · · · · · · · ·
1.	Owner <u>CAROLINA POWER & LIGHT COMPANY</u> Name	Date7/12/95
• •	411 FAYETTEVILLE ST., RALEIGH, NC 27602 Address	Sheet <u>1</u> of <u>1</u>
[,] 2.	Plant <u>H.B.ROBINSON</u> Name	Unit <u>HBR2</u>
Serve -	3581 W ENTRANCE RD HARTSVILLE SC 29551	WR/JO 94-AERU1
	Address	Repair Organization PO NO., Job No., etc.
3.	Work Performed by <u>MAINTENANCE</u>	Type Code Symbol Stamp <u>N/A</u>
		Authorization NoN/A
	SAME AS 2 ABOVE	Expiration DateN/A
	Address	
4.	Identification of SystemMAIN_STEAM	CLASS 3
5.	(a) Applicable Construction Code <u>B31.1</u>	0 <u>67</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case
	(b) Applicable Edition of Section XI Utilize	ed for Repairs or Replacements 19 <u>86</u>
6.	Identification of Components Repaired or Rep	aced and Replacement Components
Γ	Name of Name of Manufacturer Nationa	

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SNUBBER	EBASCO	N/A 🖙	N/A *	P/N 740-261-39	/1971	REPAIRED	NO
L			<u> </u>	<u> </u>			

7.

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Description of Work<u>REPAIRED LOAD PIN,CLIP AND COTTER PIN ON SNUBBER #31.</u>

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

Other [X] Pressure N/A psi Test Temp. N/A °F VT-3

SECTION XI - DIVISION 1

1986 Edition

FORM	NIS-2	(Bac	k)
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9. Remarks SEE WR/JO 94-AERU1 TURNOVER PACKAGE.

CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct	and this <u>REPAIR</u> repair or replacement
conforms to the rules of the ASME Code, Section XI.	1997 - C.
Type Code Symbol StampN/A	
·Certificate of Authorization No. / N/A	_ Expiration DateN/A
Signed SR.SPECIALIST Owner or Owner's Designee, Title	Date 7/12, 19 <u>95</u>
CERTIFICATE OF INSERVICE INSPECTION	4
•	•
I, the undersigned, holding a valid commission issued by the National	Board of Boiler and Pressure
Vessel Inspectors and the State or Province of	and employed by
THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD, CONNECTIC	UT have inspected
the components described in this Owner's Report during the period	2-7-94 to
$-\frac{7-7-95}{5}$, and state that to the best of my	knowledge and belief, the Owner has
performed examinations and taken corrective measures described in thi	
the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspectors or his employer ma	kes any warranty, expressed or
implied, concerning the examinations and corrective measures describe	d in this Owner's Report.
Furthermore, neither the Inspector nor his employer shall be liable i	n any manner for any personal
injury or property damage or a loss of any kind arising from or conne	
Camon & Calladaus commissions	7/
Inspector's Signature National Board,	State, Province, and Endorsements
Date 7-26, 19 95	

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Form NIS-2

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

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As Required by the Provisions of the ASME Code Section XI

1	. Owner	CAROLINA POW	ER & LIGHT COMP/ Name	ANY	Date _	7/12,	/95	
	411_1		, RALEIGH, NC 27 ress	7602	Sheet <u>1</u> of <u>1</u>			
2	2. Pla	nt <u>H.B.ROBINSON</u>	Name		Unit _	HBR2		
	358		HARTSVILLE SC 2	29551	Repair C		93-ADPR1 on PO NO., Job	
3	5. Work	Performed by <u>MA</u>	INTENANCE Name				l Stamp <u>N/A</u>	
	SAM	E AS 2 ABOVE					DN/A	
	•		ress			· <i>4</i> .		
4	Iden	tification of Sy	vstem (CCW	CLASS 3			
5	j. (a)	Applicable Const	ruction Code <u>B3</u>	<u>1.1</u> 19_	67 Edition	<u>N/A</u> Ac	ldenda, <u>N/A</u>	Code Case
	(b)	Applicable Edit	ion of Section)	(I Utilized	for Repairs or Rep	olacements	19 <u>86</u>	
é	. Iden	tification of Co	mponents Repair	ed or Replac	ed and Replacemen	t Componer	its	
	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)
	TCV-144	EBASCO	N/A	N/A .	STUDS & NUTS	1971	REPLACED	NO
	TCV-144	MAINTENANCE	N/A	N/A	STUDS & NUTS	1993	REPLACEMENT	NO
								· · · · · · · · · · · · · · · · · · ·
1			<u> </u>		L			

7. Description of Work <u>REPLACED STUDS AND NUTS AFTER VALVE DISASSEMBLY FOR INSPECTION.</u>

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

magnet was a single age

Other [X] Pressure N/A psi Test Temp. N/A °F SEAT LEAKAGE CHECK

SECTION XI - DIVISION 1

1986 Edition

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9.

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FORM NIS-2 (Back)

- Remarks_SEE_WR/JO_93-ADPR1_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
	repair of repracement
conforms to the rules of the ASME Code, Section XI.	- 1
Type Code Symbol Stamp <u>N/A</u> Certificate of Aputhorization No. <u>/ N/A</u>	Expiration Date N/A
	Date 7/12, 19 <u>95</u>
Signed <u>felchord</u> SR.SPECIALIST Owner or Owner's Designee, Title	/ ^// ^// ^//
CERTIFICATE OF INSERVICE INSPECTION	1
CERTIFICATE OF INSERVICE INSECTION	•
I, the undersigned, holding a valid commission issued by the National	Board of Boiler and Pressure
Vessel Inspectors and the State or Province ofTENNESSEE	
THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD, CONNECTIC	
the components described in this Owner's Report during the period	2-7-94 to
7 - 7 - 95, and state that to the best of my	knowledge and belief, the Owner has
performed examinations and taken corrective measures described in thi	
the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspectors or his employer ma	kes any warranty, expressed or
implied, concerning the examinations and corrective measures describe	d in this Owner's Report.
Furthermore, neither the Inspector nor his employer shall be liable i	n any manner for any personal
injury or property damage or a loss of any kind arising from or conne	cted with this inspection.
	·
Camon Clalland a Mes commissions	
Inspector's Signature National Board,	State, Province, and Endorsements
7-26 1995	N
Date, 19 75	

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REPLACEMENT

NO

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MAINTENANCE

APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

Ĭ. Ov	wner <u>CAROLINA POw</u>	VER & LIGHT COMP/ Name	ANY	Date _		7/17/95	
<u>4'</u>	<u>11 FAYETTEVILLE ST.</u> Add	., RALEIGH, NC 27 Iress	7602	Sheet	<u>1</u> of	1	
	Plant <u>H.B.ROBINSON</u>	Name		Unit _	HBR2	"	
'i.	3581 W ENTRANCE RD Add	HARTSVILLE SC 2	<u>29551</u>	Repair (95-ADBX2 on PO NO., Job	
3. Wo	ork Performed by <u>MA</u>	AINTENANCE Name			•	l Stamp <u>N/A</u> o. <u>N/A</u>	
_5	SAME AS 2 ABOVE Add	lress		,		N/A	
4 . Io	dentification of Sy	/stem	SERVICE_W	IATER	CL	ASS 3	
5. (a	a) Applicable Cons	struction Code <u>B</u>	<u>31.1</u> 19_	<u>67</u> Edition,	N/A Ad	ldenda, <u>N/A</u>	Code Case
	b) Applicable Edit dentification of Cc						
Name of Componer	f Name of	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
[∵] s₩-204	EBASCO	N/A	N/A	STUDS & NUTS	1971	REPLACED	NO

7. Description of Work <u>REPLACED STUDS</u>, NUTS AND GASKET DUE TO LEAKAGE.

N/A

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

N/A

STUDS & NUTS

Other [X] Pressure N/A psi Test Temp. N/A °F EXTERNAL LEAKAGE CHECK

SECTION XI - DIVISION 1

Form NIS-2

FORM NIS-2 (Back)

. Remarks SEE WR/JO 95-ADBX2 TURNOVER PACKAGE.	
Applicable Manufacturer's Data Report	s to be attached
· · ·	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct	t and this_REPLACEMENT
· ·	repair or replacement
conforms to the rules of the ASME Code, Section XI.	1.
.Type Code Symbol Stamp N/A	
Certificate of Authorization No	
	Date7/17, 19 <u>_95</u>
Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTIO	DN .
i k	
I, the undersigned, holding a valid commission issued by the National	l Board of Boiler and Pressure
Vessel Inspectors and the State or Province of	and employed b
THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD, CONNECTION	CUT have inspected
the components described in this Owner's Report during the period	<u>2-7-94</u> to
7 - 7 - 95, and state that to the best of my	
performed examinations and taken corrective measures described in th	is Owner's Report in accordance wit
the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspectors or his employer m	akes any warranty, expressed or
implied, concerning the examinations and corrective measures describ	
Furthermore, neither the Inspector nor his employer shall be liable	
injury or property damage or a loss of any kind arising from or conn	
Camon Calladans commissions TN9	7/
Inspector's Signature National Board	, State, Province, and Endorsement
Date, 19 95	

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1986 Edition

APPENDIX II - MANDATORY

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Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

	l. Owne	r <u>CAROLINA PO</u>	VER & LIGHT COMP/ Name		Date _	7/1	2/95	
	<u>411</u>	FAYETTEVILLE ST. Add	, RALEIGH, NC 2 ress	7602	Sheet	of	1	
2	2. Pla	nt <u>H.B.ROBINSON</u>	Name		Unit_	HBR2	•	
- 4,.	358	<u>1 W ENTRANCE RD</u> Add	HARTSVILLE SC 2	29551	Repair		94-ACWI1 on PO NO., Job	No., etc.
3	3. Work	Performed by <u>MA</u>	INTENANCE Name		Type (Code Symbo	l Stamp <u>N/A</u>	
							o. <u>N/A</u>	
•,	SAM	E AS 2 ABOVE Add	ress	·····	Expira	ation Date	<u> </u>	
2	4. Iden	tification of Sy	/stem	SERVICE	WATER CLA	ss 3		
<u>,</u>					<u>67</u> Edition, for Repairs or Re		1 .22	Code Cas
ć	5. Iden	tification of Co	omponents Repair	ed or Replac	ed and Replacemen	t Componer	nts	
	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-4702	EBASCO	N/A	N/A	P/N 736-674-20	.41971	REPLACED	NO
	FCV-4702	MAINTENANCE	N/A	N/A	P/N 736-674-20	1994	REPLACEMENT	NO
• •							L	

7. Description of Work <u>REPLACED FCV-4702 DUE EXCESSIVE FLOW</u>.

1.1751.

8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X] EXTERNAL LEAKAGE

Other [] Pressure N/A psi Test Temp. N/A °F

SECTION XI - DIVISION 1

FORM NIS-2 (Back)

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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.	۰.
Type Code Symbol StampN/A	
Certificate of Authorization No. <u>IN/A</u> Signed <u>SR.SPECIALIST</u> Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Vessel Inspectors and the State or Province of <u>TENNESSEE</u>	
THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD, CONNECTIC	
the components described in this Owner's Report during the period, $7-7-9.5$, and state that to the best of my	2 - 7 - 9 q to knowledge and belief, the Owner has
performed examinations and taken corrective measures described in thi	s Owner's Report in accordance with
the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspectors or his employer ma implied, concerning the examinations and corrective measures describe Furthermore, neither the Inspector nor his employer shall be liable i injury or property damage or a loss of any kind arising from or conne Mamon Malladanes Commissions Mational Board, National Board,	ed in this Owner's Report. n any manner for any personal
Date, 19 _95	

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Page 50 of 56

Replacement

(Yes or No)

NO

NO

1	9	8	6	E	d	ī	t	i	on	

APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

-1.	**	Owner	CAROLINA POW	ER & LIGHT COMP/ Name	ANY	Date _		7/12/95	
*		<u>411_</u>		<u>, RALEIGH, NC 27</u> ress	7602	Sheet	1_ of		
2.	•	Plan	nt <u>H.B.ROBINSON</u>	Name		Unit _	HBR2		
	r	358		<u>ROAD, HARTSVILLE</u> ress	<u>, sc 29550</u>	Repair C		01-ACUU1 on PO NO., Job	No., etc.
3.		Work	Performed by <u>MA</u>	INTENANCE Name		Туре С	ode Symbol	. Stamp <u>N/A</u>	
¥		SAM	E AS 2 ABOVE Add	ress	د			DN/A	
4.		Iden	tification of Sy	stem <u>DIESE</u>	FUEL OIL	CLASS 3			
5.						67 Edition,			Code Case
6.		Iden	tification of Co	mponents Repaire	ed or Replac	ed and Replacemen	t Componen	ts	
	Name Compo		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or	ASME Code Stamped

1971 REPLACED P/N 716-877-92 PIPING EBASCO N/A N/A 1994 REPLACEMENT P/N 716-877-92 PIPING MAINTENANCE N/A N/A

7. Description of Work CUT OUT AND REPLACED TEE LOCATED ABOVE FO-25B DUE TO OIL LEAKAGE

8.

time

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X]

Other [] Pressure OPERATING psi Test Temp.AMBIENT °F

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SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

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9. Remarks SEE WR/JO 91-ACUU1 TURNOVER PACKAGE.

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.	* A
Type Code Symbol Stamp N/A	
Certificate of Authorization No. <u>N/A</u> E. Signed <u>mitrary Mutter</u> <u>SR.SPECIALIST</u> D. Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Boa	rd of Boiler and Pressure
Vessel Inspectors and the State or Province of <u>TENNESSEE</u>	and employed by
<u>THE HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTICUT</u> the components described in this Owner's Report during the period <u>7-7-95</u> , and state that to the best of my know performed examinations and taken corrective measures described in this Ow the requirements of the ASME Code, Section XI.	2 - 7 - 9 - 4 to ledge and belief, the Owner has
By signing this certificate neither the Inspectors or his employer makes	any warranty, expressed or
implied, concerning the examinations and corrective measures described in	
Furthermore, neither the Inspector nor his employer shall be liable in an	
injury or property damage or a loss of any kind arising from or connected	
Date 7-26, 19 25-	

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1986	Edi	tio	n
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Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1	. Owner <u>CAROLINA PO</u>	VER & LIGHT COMPA Name		· Date _	<u></u>	7/18/95	<u></u>
••	411_FAYETTEVILLE_ST. Add	., RALEIGH, NC 27 Iress	7602	Sheet .	1 of	1	
2	Plant <u>H.B.ROBINSON</u>	Name	, <u>, , , , , , , , , , , , , , , , </u>	Unit _	HBR2		
1.4-	3581 WEST ENTRANCE	<u>ROAD, HARTSVILLE</u> Iress	<u>=, sc 29550</u>	Repair C		94-ACQE1 on PO NO., Job	No., etc.
3	Work Performed by <u>M</u>			Туре С	ode Symbo	l Stamp <u>N/A</u>	
		Name		Author	ization N	0N/A	
	SAME AS 2 ABOVE	iress		Expîra	tion Date	N/A	
.:4	. Identification of S	/stem	FEEDW	ATER	CLASS 3		
5	6. (a) Applicable Cons					Υ.	Code Case
	(b) Applicable Edi	cion of Section)	KI Utilized	for Repairs or Ke	olacements	5 19 <u>80</u>	
é	5. Identification of C	omponents Repaire	ed or Replac	ed and Replacemen	t Componer	nts	r
-	Name of Name of Component Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)

						Replacement	(Yes or No)
"FW-6A	EBASCO	N/A	N/A	BONNET	·1971	REPLACED	NO
FW-6A	MAINTENANCE	N/A	N/A	BONNET	1995	REPLACEMENT	NO
						<u> </u>	

7.

Description of Work<u>REPLACED BONNET, RING, SLEEVE AND PACKING DUE TO BODY TO BONNET LEAKAGE.</u>

8.

198

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Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X] VT-2 Other [] Pressure psi Test Temp. °F

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SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

Remarks SEE WR/JO 94-ACQE1 TURNOVER PACKAGE. 9.

CERTIFICATE OF COMPLIANCE		
We certify that the statements made in the report are correct		ENT replacement
conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol StampN/A		
Certificate of Authorization No. 1 N/A	_ Expiration Date _	N/A
signed brand weber SR. SPECIALIST	Date7/18	, 19 <u>_95</u>
Owner or Owner's Designee, Title		
CERTIFICATE OF INSERVICE INSPECTION	l .	
I, the undersigned, holding a valid commission issued by the National	Board of Boiler and	Pressure
Vessel Inspectors and the State or Province of		and employed by
THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD, CONNECTIC	<u>лт </u>	ave inspected
the components described in this Owner's Report during the period, $\frac{7-7-95}{2}$, and state that to the best of my b	2 - 7 - 94	to the Owner has
performed examinations and taken corrective measures described in this		
the requirements of the ASME Code, Section XI.		
····· · · · · · · · · · · · · · · · ·		
By signing this certificate neither the Inspectors or his employer mal	kes any warranty, ex	pressed or
implied, concerning the examinations and corrective measures described		
Furthermore, neither the Inspector nor his employer shall be liable in		
injury or property damage or a loss of any kind arising from or connect		
$\int dn dn dn$		
amon dellallare commissions Tage	1/	
Inspector's Signature National Board,	State, Province, an	d Endorsements
Date 7-26, 19 25		·• ·

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1986 Edition	
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11 A.

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

[,] 1.	Owner	r <u>CAROLINA POW</u>	IER & LIGHT COMP	ANY	Date _	•	7/14/95	
		<u> </u>	Name					
	411		, RALEIGH, NC 27 ress	7602	Sheet	1_ of	1	
2.	Pla	nt H.B.ROBINSON	Name		Unit_	HBR2		
м а с	358	1 WEST ENTRANCE	ROAD, HARTSVILLE	<u>E, SC 29550</u>		WR/JO S	93-ABSF1	
	<u></u>	Add	ress		Repair (Drganizati	on PO NO., Job	No., etc.
3.	Work	Performed by <u>MA</u>			Туре С	ode Symbol	l Stamp <u>N/A</u>	
					Author	ization No	D. <u>N/A</u>	
	SAM	E AS 2 ABOVE	* · ; · 1		Expira	ition Date	N/A	
•.		Add	ress					
4.	Iden	tification of Sy	stem	HVAC AIR HAN	DLER AND COOLER F	OR RHR PIT	CLASS 3	
5.	(a)	Applicable Cons	truction Code <u>B</u>	<u>31.1</u> 19_	<u>67</u> Edition,	<u>N/A</u> Ad	ldenda, <u>N/A</u>	Code Case
	(b)	Applicable Edit	ion of Section)	(I Utilized	for Repairs or Re	placements	19 <u>86</u>	
6.	Iden	tification of Co	mponents Repaire	ed or Replac	ed and Replacemen	t Componen	its	
	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HVH-	8B	EBASCO	N/A	N/A	COOLER	1971	REPLACED	NO
нун-	8B	MAINTENANCE	N/A	N/A	COOLER	1994	REPLACEMENT	NO

7. Description of Work <u>REPLACED COOLER</u>, <u>PIPING</u>, FLANGES, <u>BUSHINGS</u>.

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

•

EVTEDNAL

Other [X] Pressure N/A psi Test Temp. N/A °F EXTERNAL LEAKAGE CHECK

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SECTION XI - DIVISION 1

1986 Edition

ITON	VI - r	TAISION
FORM	NIS-2	(Back)

ş.

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9. Remarks SEE WR/JO 93=ABSF1 TURNOVER PACKAGE.

CERTIFICATE OF COMPLIANCE		
We certify that the statements made in the report are correc	t and this <u>REPLACEMENT</u> repair or re	placement
conforms to the rules of the ASME Code, Section XI.		
Type Code Symbol StampN/A		
Certificate of Authorization NoN/A	Expiration Date	<u>N/A</u>
Signed Sichard Mile SR. SPECIALIST	Date7/14	, 19 <u>_95</u>
Owner or Owner's Designee, Title		
CERTIFICATE OF INSERVICE INSPECTION	ON	
a state to be be be a second as a second by the Notions	. Roard of Roiler and Pr	essure
I, the undersigned, holding a valid commission issued by the Nationa		
Vessel Inspectors and the State or Province of	anu	emproyed by
THE HARTFORD STEAM ROLLER INSP.& INS. CO. of HARTFORD, CONNECTI	CUT have	inspected
THE HARTFORD STEAM BOILER INSP.& INS. CO. of	<u>cur</u> have 2 - 7 - 94	inspected to
	<u>cur</u> have 2 - 7 - 94	inspected to
THE HARTFORD STEAM BOILER INSP.& INS. CO. of	CUT have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have	inspected to he Owner has
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTING the components described in this Owner's Report during the period $-\frac{7-7-95}{2}$, and state that to the best of my	CUT have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have	inspected to he Owner has
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTING the components described in this Owner's Report during the period $-\frac{7-7-95}{2}$, and state that to the best of my performed examinations and taken corrective measures described in the period in the second	CUT have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have have	inspected to he Owner has
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTING the components described in this Owner's Report during the period <u>$7-7-95$</u> , and state that to the best of my performed examinations and taken corrective measures described in the the requirements of the ASME Code, Section XI.	CUT have 2 - 7 - 94 w knowledge and belief, t his Owner's Report in acc	inspected to he Owner has ordance with
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTING the components described in this Owner's Report during the period <u>$7-7-25$</u> , and state that to the best of my performed examinations and taken corrective measures described in the the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer m	CUT have 2-7-94 w knowledge and belief, t his Owner's Report in acc makes any warranty, expre	inspected to he Owner has ordance with
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTING the components described in this Owner's Report during the period <u>7-7-95</u> , and state that to the best of my performed examinations and taken corrective measures described in the the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer m implied, concerning the examinations and corrective measures described	CUT have 2 - 7 - 9 - 4 w knowledge and belief, t his Owner's Report in acc makes any warranty, expre bed in this Owner's Repor	inspected to he Owner has ordance with essed or t.
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTING the components described in this Owner's Report during the period <u>7-7-95</u> , and state that to the best of my performed examinations and taken corrective measures described in the the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer m implied, concerning the examinations and corrective measures describe Furthermore, neither the Inspector nor his employer shall be liable	CUT have 2 - 7 - 94 A knowledge and belief, t his Owner's Report in acc makes any warranty, expre- bed in this Owner's Report in any manner for any pe	inspected to he Owner has ordance with essed or t.
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTING the components described in this Owner's Report during the period <u>7-7-95</u> , and state that to the best of my performed examinations and taken corrective measures described in the the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer m implied, concerning the examinations and corrective measures described	CUT have 2 - 7 - 94 A knowledge and belief, t his Owner's Report in acc makes any warranty, expre- bed in this Owner's Report in any manner for any pe	inspected to he Owner has ordance with essed or t.
<u>THE HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTI</u> the components described in this Owner's Report during the period <u>$7-7-25$</u> , and state that to the best of my performed examinations and taken corrective measures described in th the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer m implied, concerning the examinations and corrective measures describe Furthermore, neither the Inspector nor his employer shall be liable injury or property damage of a loss of any kind arising from or conr	CUT have 2 - 7 - 94 A knowledge and belief, t his Owner's Report in acc makes any warranty, expre- bed in this Owner's Report in any manner for any pe	inspected to he Owner has ordance with essed or t.
THE HARTFORD STEAM BOILER INSP.& INS. CO. of <u>HARTFORD</u> , CONNECTING the components described in this Owner's Report during the period <u>7-7-25</u> , and state that to the best of my performed examinations and taken corrective measures described in the the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer m implied, concerning the examinations and corrective measures describe Furthermore, neither the Inspector nor his employer shall be liable injury or property damage of a loss of any kind arising from or conr MANNAN MANNANCE Commissions	CUT have 2 - 7 - 94 A knowledge and belief, t his Owner's Report in acc makes any warranty, expre- bed in this Owner's Report in any manner for any pe	inspected to he Owner has ordance with essed or t. ersonal on.
<u>THE HARTFORD STEAM BOILER INSP.& INS. CO.</u> of <u>HARTFORD, CONNECTION</u> the components described in this Owner's Report during the period <u>9-7-95</u> , and state that to the best of my performed examinations and taken corrective measures described in the the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspectors or his employer mimplied, concerning the examinations and corrective measures described in the furthermore, neither the Inspector nor his employer shall be liable injury or property damage of a loss of any kind arising from or control of the ASME Code of the ASME Commissions <u>Marganeous</u>	CUT have 2 - 7 - 94 where the second belief, the second below th	inspected to he Owner has ordance with essed or t. ersonal on.

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Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner <u>CAROLINA POWER & LIGHT COMPANY</u> Name	Date7/11/95
•	411 FAYETTEVILLE ST., RALEIGH, NC 27602 Address	Sheet <u>1</u> of <u>1</u>
2.	Plant <u>H.B.ROBINSON</u> Name	Unit <u>HBR2</u>
•	3581 WEST ENTRANCE ROAD, HARTSVILLE, SC 29550 Address	WR/JO 94-ABAB1 Repair Organization PO NO., Job No., etc.
3.	Work Performed by <u>MAINTENANCE</u> Name	Type Code Symbol Stamp <u>N/A</u>
•	SAME AS 2 ABOVE Address	Expiration DateN/A
4.	Identification of System CCW	CLASS 3
5.		<u>67</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case
6.	(b) Applicable Edition of Section XI Utilized f	

Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
FLANGE	EBASCO	N/A	N/A	STUDS	[,] 1971	REPLACED	NO
FLANGE	MAINTENANCE	N/A	N/A	STUDS	1994	REPLACEMENT	NO

Description of Work REPLACED STUDS AND NUTS IN FLANGE DUE TO INADEQUATE THREAD ENGAGEMENT IN NUTS 7.

8.

Other [] Pressure N/A

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X] LEAKAGE CHECK psi Test Temp. N/A

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SECTION XI - DIVISION 1

1986 Edition

0rm N15-2	SECIT	UN XI - DIVISION I		1900 Ealt
÷	FO	RM NIS-2 (Back)		
Remarks <u>SEE WR/J</u>	<u>0 94-ABAB1 TURNOVER PACK</u> Applicable Manufactur		be attached	
· · · · · · · · · · · · · · · · · · ·				
	CERTIF	ICATE OF COMPLIANCE		
We certify tha	t the statements made ir	n the report are corr		ENT replacement
conforms to the rules of	of the ASME Code, Sectio	n XI.		
Type Code Symbol Stamp	N/A			
Certificate of Authorit	zation No. <u>N/A</u>		Expiration Date	N/A
Signed <u>bulning</u> Owner or (DWiller Owner's Designee, Title	SR.SPECIALIST	Date7/11	, 19 <u>_95</u>
· · · ·	CERTIFICATE	OF INSERVICE INSPECT	TION	
I. the undersigned, hol	lding a valid commission	issued by the Natio	nal Board of Boiler and	Pressure
	the State or Province of			
	ILER INSP.& INS. CO. o			ive inspected
	ed in this Owner's Repor	t during the period	2-7-94	
			my knowledge and belief,	
	and taken corrective me		this Uwner's Report in a	accordance with
the requirements of the	e ASME Code, Section XI.			
By signing this certif	icate neither the Inspec	tors or his employer	makes any warranty, exp	pressed or
implied, concerning the	e examinations and corre	ctive measures descr	ibed in this Owner's Rep	port.
Furthermore, neither th	he Inspector nor his emp	oloyer shall be liabl	e in any manner for any	personal
injury or property dama	age or a loss of any kin	nd arising from or co	nnected with this inspec	tion.
Jamon Cla	ladones com	nissions TN	97/	
Inspector's S		National Rea	rd, State, Province, and	d Endorsements
	ignature .	National Boa		
Date	ignature 6, 19_ <u>95</u> 7	National Boa		

Page 54 of 56

1986 Edition

APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner <u>CAROLINA PO</u>	WER & LIGHT COMP	ANY	Date	7,	/13/95	
	<u>411_FAYETTEVILLE_ST</u> Ad	., RALEIGH, NC 2 dress	7602	Sheet	1_ of		
<u>,</u> 2.	Plant <u>H.B.ROBINSC</u>	N Name		Unit .	HBR2		
î.	3581 WEST ENTRANCE	ROAD HARTSVILL	F. SC 29550		WR/JO S	94-AAEE1	
		dress		Repair	Organizati	on PO NO., Job	No., etc.
3.	Work Performed by <u>M</u>	AINTENANCE		Туре	Code Symbo	l Stamp <u>N/</u>	A
		Name		Autho	rization No	DN/	A
	SAME AS 2 ABOVE		<u>_</u>	😔 Expir	ation Date		A
~-	Ad	dress					
.4:	Identification of S	ystem	CVCS	CLASS 3			
5.	(a) Applicable Cons	truction Code <u>B3</u>	<u>1.1</u> 19 _	<u>67</u> Edition,	N/A Ac	ldenda,N//	Code Case
	(b) Applicable Edi	tion of Section	XI Utilized	for Repairs or Re	eplacements	19 <u>86</u>	
6.	Identification of C	omponents Repair	ed or Replac	ed and Replacemer	nt Componer	nts	
Γ	Name of Name of	Manufacturer	National	Other	Year	Repaired,	ASME

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-332	EBASCO	N/A	N/A	DIAPHRAGM	1971	REPLACED	NO
CVC-332	MAINTENANCE	N/A	N/A	DIAPHRAGM	1994	REPLACEMENT	NO
· 							

7. Description of Work REPLACED DIAPHRAGM AND BONNET DUE TO LEAKAGE.

...

8.

Tests Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X] VT-2 Other [] Pressure N/A psi Test Temp. N/A °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

• SECTION XI - DIVISION 1

1986 Edition

FORM NIS-2 (Back)

Remarks ______ SEE WR/JO 94-AAEE1 TURNOVER PACKAGE. 9.

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 StampN/A
Certificate of Authorization No. / N/A Expiration Date N/A Signed Signed SR.SPECIALIST Date 7/13 , 19 95 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province ofTENNESSEE 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 $2-7-94$ to 7-7-95, 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. Mamon Commissions Inspector's Signature Commissions
Date <u>1-26</u> , 19 <u>95</u>

Page 55 of 56

1986	Edi	ti	on

6.

APPENDIX II - MANDATORY

Form NIS-2

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	Date7/12/95
	Name	
	411 FAYETTEVILLE ST., RALEIGH, NC 27602	Sheet 1 of 1
	Address	· · · · · · · · · · · · · · · · · · ·
2.	Plant H.B.ROBINSON	Unit HBR2
	Name	
•	3581 W ENTRANCE RD, HARTSVILLE SC 29551	WR/JO 94-AADQ1
	Address	Repair Organization PO NO., Job No., etc.
3.	Work Performed by <u>MAINTENANCE</u> Name	Type Code Symbol Stamp <u>N/A</u>
	Name	Authorization NoN/A
	SAME AS 2 ABOVE	Expiration Date N/A
	Address	
4:	Identification of System CVCS	CLASS 2
5. ~	(a) Applicable Construction Code <u>B31.1</u> 19	67_Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case
	(b) Applicable Edition of Section XI Utilized	for Repairs or Replacements 19 <u>86</u>

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-113B	EBASCO	N/A	N/A	DIAPHRAGM	1971	REPLACED	NO
FCV-113B			N/A	DIAPHRAGM 1994		REPLACEMENT	NO

7. Description of Work <u>REPLACED DIAPHRAGM, O-RINGS, SPINDLE AND DAMAGED INSPECTION PLUG.</u>

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

Other [X] Pressure N/A psi Test Temp. N/A °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. -

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SECTION XI - DIVISION 1

1986 Edition

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FORM NIS-2 (Back)

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9	Remarks	SEE	WR/JO	94-AADQ1	TURNOVER	PACKAGE	
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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.	1. 1949) 1.4					
Type Code Symbol StampN/A	·					
Certificate of Authorization NoN/A	_ Expiration DateN/A					
	Date <u>7/12</u> , 19 <u>95</u>					
Owner or Owner's Designee, Title						
CERTIFICATE OF INSERVICE INSPECTIO	N					
I, the undersigned, holding a valid commission issued by the National	Board of Boiler and Pressure					
Vessel Inspectors and the State or Province of	and employed by					
THE HARTFORD STEAM BOILER INSP.& INS. CO. of HARTFORD, CONNECTIO	UT have inspected					
the components described in this Owner's Report during the period $7-7-95$, and state that to the best of my	2 - 7 - 9 - 9 - 9 to knowledge and belief, the Owner has					
performed examinations and taken corrective measures described in thi						
the requirements of the ASME Code, Section XI.						
By signing this certificate neither the Inspectors or his employer ma	kes any warranty, expressed or					
implied, concerning the examinations and corrective measures describe	ed in this Owner's Report.					
Furthermore, neither the Inspector nor his employer shall be liable i	n any manner for any personal					
injury or property damage or a loss of any kind arising from or conne	ected with this inspection.					
Ramon C Calludants Commissions						
Date <u>7-26</u> , 19 <u>95</u>						

		FORM NIS-2 As Req	OWNER'S	REPORT ne Provisio	OF REPA	IR OR RE	PLACEMENT ition XI	
. Owner_	Carolina I	Power & Li	ght Com	oany			2/14/91	
	Box 1551 I. B. Robin						<u> </u>	M1
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. Work Pr	Rot	binson Mod	Project	s (NED) <u>MOI</u>	994		
•	San	ne as 2 🏲			Papai	Coganication F	D He, 400 He, 61C.	
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man	<u>CT</u> N	we inspected th	Modifi	CATION	descri	bed in this i	Report on	-26 For 12/10/50 . 12
KTTORD (a factor of the	his cannois a	e replaceme	nt hes been	constructed in accord	lence with Section XI
state that	to the best of a	my knowledge	ene dant, t					ned or implied, conce

and the number of sheets is recorded at the top of this form.

CAROLINA POWER & LIGHT COMPANY H. B. ROBINSON UNIT #2 INTERVAL 3 - PERIOD 1 - OUTAGE 3 EXAMINATION SUMMARY

INTRODUCTION

An inservice examination of Class 1 and 2 components was conducted at H. B. Robinson Unit 2 in May of 1995. The examinations were performed in accordance with the program plan located under Tab C of this Final Report. Based on the fact that this was the third outage of the first period, and a request for relief was granted to defer remote examinations of the reactor vessel to the end of the interval, the ISI program was extremely limited in scope as most examinations were performed during the previous two outages.

The program plan for this outage was derived from the Inservice Ten Year Inspection Plan. This plan incorporates the ASME Code Section XI requirements defined in the 1986 Edition and the Carolina Power & Light, H. B. Robinson Technical Specification Section 4.2.

This report completes the first periods examination requirements for the third ten year interval.

RESULTS

Feedwater nozzles to reducers to elbows including base metal on loops A, B and C ultrasonic examinations produced I.D. geometric indications along with non-metallic inclusions which were detected during the previous refueling outage and remained unchanged. Additionally, supplemental examinations were performed to detect flaw tip-diffracted responses and no tips were observed.

Reactor Coolant Pump "C" Ultrasonic examination of the main flange studs produced no recordable indications. However, due to leakage from smaller flanges adjacent to the pump studs, 11 main flange studs required replacement due to gross corrosion effects.

The 40 month pressure tests for class 2 and 3 systems were completed and are tabulated by engineering surveillance test number and completion date for the first period under Tab E along with the refueling outage pressure test required for the class 1 system and is identified by refueling outage number. These pressure tests revealed leakages only at mechanical joints and were corrected as required by the normal maintenance processes.

EXAMINATION PROGRAM PLAN FOR CAROLINA POWER AND LIGHT COMPANY H.B.ROBINSON UNIT #2 INSERVICE INSPECTION

INTERVAL-3 PERIOD-1 OUTAGE-3

ALL ITEMS AND AREAS LISTED BELOW ARE TO BE 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>	X-2500-1	EXAMINATION AREA		SURF	VT	CAL BLK	SKETCH	
	1.	B6.180	RC PUMP C STUDS 1 THRU 24	SP-1031	-		CPL/62	144	
	2.	B15.10 TO B15.70	PRESSURE RETAINING COMPONENTS	_		EST-083	N/A	N/A	
	3.	C5.51&52	A S/G FW NOZZLE WELD A	SP-1344/N	DEP-301	-	CPL/45	215	ł
	4.	N/A	AUGMENTED EXAMINATIONS FEEDWATER NOZZLES TO REDUCERS TO ELBOWS INCLUDING BASE METAL ON LOOPS A, B & C.	SP-1351		_	CPL/54&	215	
				9E - T99T	-	-		210	

CPL/57 216& 217

CPL-144

&

SPARE

R.C. PUMP

MAIN FLANGE STUDS

OVERSIZE DOCUMENT PAGE PULLED

SEE APERTURE CARDS

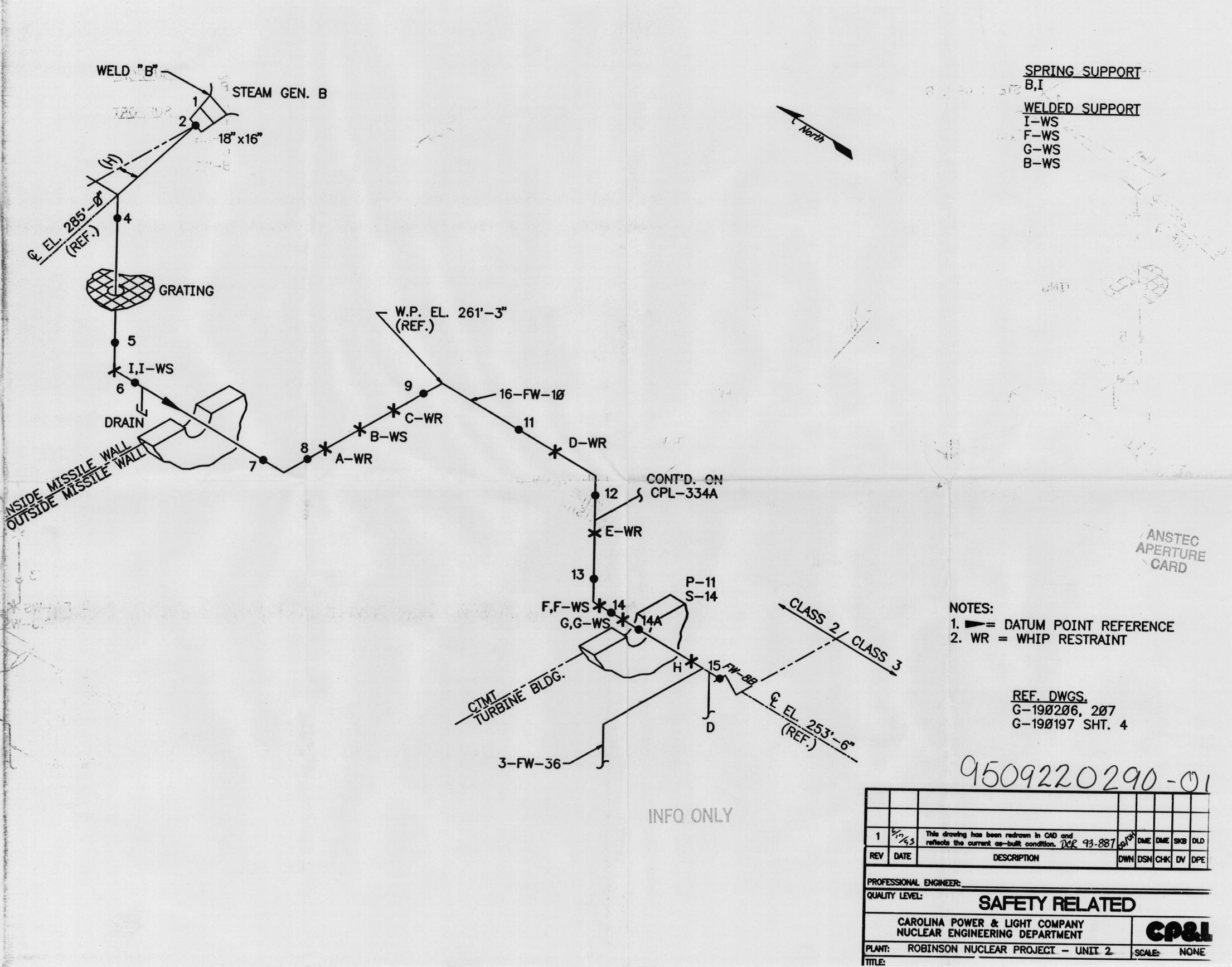
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SONIC	100	FREQ.		1	•				25 MH	12							······································
136-4-	12 F	ANGLE		1					15'2			1					······································
REP. RATE		CALIBR		SIGNAL	SWEE	> sic	GNAL	SWEEP	DIST	ANCE FR		SIGNAL	SWEEP		ANCE FE	NE TO	
REJECT		REFLE LOCA	TION	AMPLITU	DE POSITIO		ITUDE	POSITION	PEAK	50% (LOCAT		AMPLITUDE	POSITION	PEAK		DAC	
OFF		1/4					0%	1.0						ļ		.	
DAMPING		3/4	t				0%	3.0									
500		It N	OTCH			/	0%	5.0						ļ		4	
FILTER				<u> </u>													
<u> </u>				<u> </u>					 					ļ		+	FINAL TIME
LIN CHECK		<u></u>										· · · · · · · · · · · · · · · · · · ·					1704
SU CABLE	ACD														<u>_</u>		CAL. BLOCK CPL /57
COUPLANT							39.4	JB	44 				L	1		-	THICKNESS 1.158"
092/31		CAL. GAI				<u> </u>	01.4	00	l		· •;	<u> </u>		RESUL	TC	T	
WELD NUMBER	ТЕМР		2	SCAN DIR	7/8	0			AMINATIO MITATION		-	CROWI			RI		REMARKS
1	837	· No	Yes	Yes	No	No			NONE			BLENDE		$\left\{ - \right\}$		\square	·
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EQUIPME	INT	TRANS	DUCER	STRAIGH	T BEAM	SCAN		AXI	AL SCANS		<u>/</u>		CIRCU	MFER	ENTIAL IONS 7 8			1 *	TION CHECK
INST. S/N		S/N						13	38311									INITIAL TH	ME
SONIC	136	SIZE							50"									063	7
		FREQ.							25 M	H 2									
136-4-		ANGLE						E	50° L										
REP. RATE		CALIBR REFLE LOCA	CTOR	SIGNA			SIGNAL	SWEEP POSITION	SCRIB	ANCE FF E/REF. LI 50%		SIGNAL	SWE POSIT			ANCE FR REF. LI			
REJECT									PEAK	LOCA	TIONS	·			PEAN	LOCA	TIONS		
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SU CABLE	den 1								+									CAL. BLOC	K CPL /57
COUPLANT				+	<u> </u>						L								5 1.158 "
ULTEAGEZ 092/31	TE	CAL. GAI	N				38.	2 <i>J</i> B	· · · · ·										PF / #2278
WELD NUMBER	TEMP.	1	<u> </u>	SCAN DIF					AMINATIO			CROWI			RESULT	rs RI		REMARK	
		SCAN	2	5	7/8	0			1										
1	83°F	No	YES	Yes	No	N.		/	VONE			BLENDEL	0	\nearrow	\			· · · · · · · · · · · · · · · · · · ·	
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		··			····		PLANT						UNIT				SKETCH	
WESTI	NGHOL	SE NUCL	EAR SEI	RVICED	IVISIO	N	H	1.B. R.	BINS	nc			a				CPL-	216
	IN	ISPECTIO	N SERV	ICES			SYST/CON										PROCED	URE
								LOOP "		EED	ATER	<u> </u>			•		CPL-I	51 - 207 REV. O
VVEI		TRASON INSEI	RVICE	AMINAI	ION		EXAMITINE	R (LEYEL T	t) charla	1 . π	f2	e A. az	H L	~ 11	T		DATE 5-2-	95
EQUIPME	INT	TRANSE	DUCER	STRAIGH DIR	T BEAN			AXI	AL SCANS			<i>0</i>	CIRCUN	1FER				CALIBRATION CHECK
INST. S/N		S/N		1			<u> </u>		43787	7		1						INITIAL TIME
SONIC	136	SIZE							.50 "									0930
		FREQ.			•		I		2.25 N	1H2								
136-4-	12 F	ANGLE							70 °L				_					
REP. RATE		CALIBR	ATION					04550		ANCE FE				_		ANCE F		
4		REFLE LOCA		SIGNA		EEP	SIGNAL AMPLITUDE	SWEEP POSITION			DAC	SIGNAL AMPLITUDE	SWEE POSITI	- L -		E/REF.L 50%	6 DAC	
REJECT									PEAK		TIONS				PEAK		TIONS	
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DAMPING		3/4					20%	4.8	ļ			<u> </u>						
		<u>1</u> £	NoTCH	┨			5%	6.5			 	ļ						
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LIN. CHECK		·		<u> </u>		<u> </u>	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	+			+	·	+				FINAL TIME
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SU CABLE				+					+		<u> </u>		· · · ·				+	
6'BNC-1							1										+	CAL BLOCK CPL /57
COUPLANT																		THICKNESS 1.158 "
ULTEAGE2 092/31	<u></u>	CAL. GAI	N				46.	<u>B d B</u>										TEMP. 7/ 9F / #2278
WELD	TEMP	BASE		SCAN DIF	ECTION	1			AMINATIC			CROW			RESUL	тs]	REMARKS
NUMBER	 	SCAN	2	5	7/8		D		MITATION	S		CONFIGUR	ATION	NI	NRI	RI		- ·
1	83%F	No	YES	Yes	No	N	0	Λ	lone			BLENDE		\times				
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DATE	5-10-	T.	1				I					1					N. 1.	A In The Stake

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		DATE -				1	. B. K	obinso	n		<u> </u>		UNIT 2	-		sketch CPL -		3	
WE		E NUCLEAR PECTION SE	RVICES			EXAMIN	ER (LEVE		16" <i>fee</i>	rdwete	\frown				C	PROCED	URE -207	Rev l	2.
						LINEAR	ITY AND		<u>А.</u> ск	Ш	thom	- A.		а Ди: оск тніс 12-5		5-2-9 158"	5		
WELD	LEN	ATION GTH	MIN.	50%	MIN.	100%		PEAK		MAX.	100%	мах			<u>, 7</u> АМ	1	HICKNES	S	Γ
IUMBER	FROM	то	SWPMP	IN. TO REF.	SWP.	IN. TO REF.	SWP	IN. TO REF.	t DAC AMPL.	SWP.	IN. TO REF.	SWPMP	IN. TO REF.	ANGLE	DIR.	SURF. 2	WELD	SURF. 5	
1	0-25 aw	0.7 CW	2.1	0.5			/	0:55	30%			24	0.65	45°S	5	0.88	0.76	0.80	Q
1	0.25 CCw	0.6 CW					3.2 1.28	1.05	20 %					45°5	2	0.88	0.76	0.80	C
			5canne	d whil	<u>e məm</u>	təining	a 10 7	IO n	oize (o	<u>(- A)</u>	46.8	dB ,C	WC 56	·2 dB					
1	0. 0	0.8"	2.7	0.85			3.4 1.36	1.05	80 %			4.2	1.4	60°5	5	0.88	0.76	0.80	C
			5cənne	d while	e mar	taining	2 10°	Dn	oise (ol	1- Ax	57.2d	B, Cin	c <u>58.8</u>	dB.					-
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		technique			1	· · ·											A		
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		L ^O NE	feren	ce p	pint	is on	Comp	ment	4. "/	Mezi	xirem	eats	taken	it es	timat	ed T.	Ó.C.		

WESTINGHOUSE NUCLEAR SERVICE DIVISION INSPECTION SERVICES **GENERAL - INDICATION DATA** _ SKETCH ______ CPL - 216 HR Rohinson UNIT____ PLANT_ PROCEDURE CAL-151-207 Rev O. 16" 11 beedu ste 000 SYST/COMP. 5-2-95 L. TOATE 'vTL pA EXAMINER LEYELI IDENT NO. Weld #1 V/T_ DETECTED BY U/ M/ PROVIDE SUFFICIENT INFORMATION TO DESCRIBE SIZE, LOCATION AND TYPE OF INDICATION. DESCRIBE EXTRA OR SPECIAL EQUIPMENT IF USED FOR SIZING OR REPORTING. IF NECESSARY INCLUDE SKETCH SHOWING GENERAL CONFIGURATION OF ITEM OR AREA. FLOW ---Nozzle Expander Ð #3,60° #1,45° #2,45° ANII REVI Sila AB Weber 5/9/95 FORM 459368

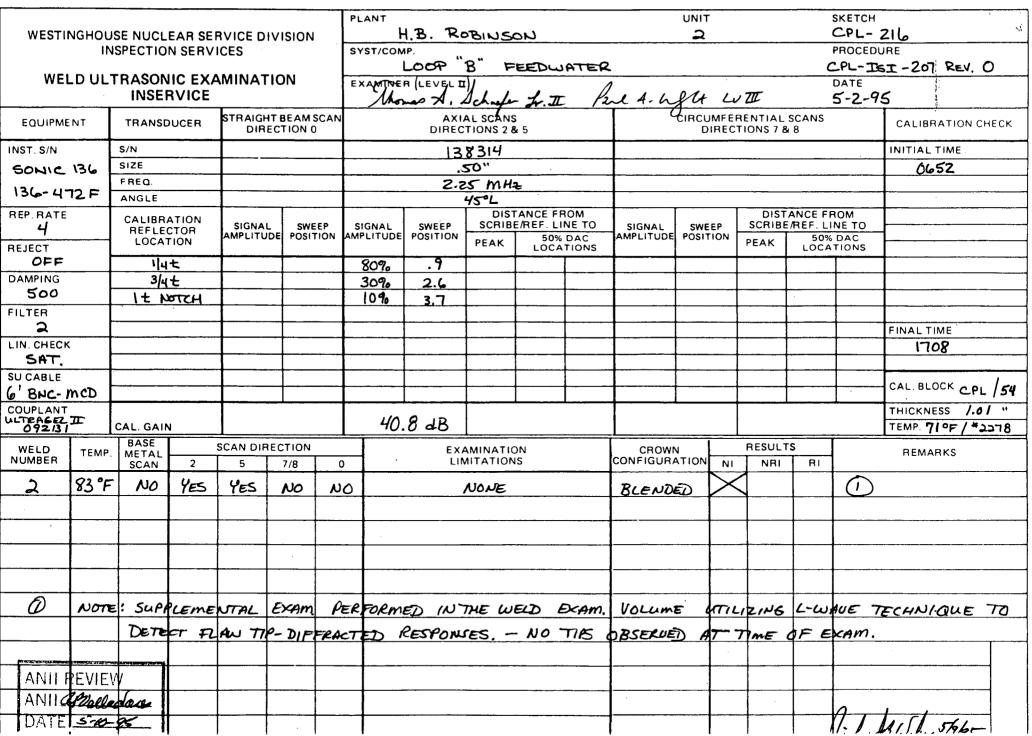




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				·····		PLANT			·			UNIT				SKETCH		
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WEL	D UL		IIC EXA RVICE	AMINATIO	JN		ER (LEVELD	1) hanfar Fr		be	4. hgu	t Lu	T			DATE	<u> </u>	1 1 1
EQUIPME	NT	TRANSE	DUCER	STRAIGHT DIREC	BEAM SCA	N		AL SCANS			0			ENTIAL			CALIBR	ATION CHECK
ST. S/N		S/N		1			43	987			·		4	3987			INITIAL	TIME
ONIC	136	SIZE	<u> </u>					50"						.5þ"			0	714
		FREQ.					2.	25 mHz	2					25 MH	2			
36-4-	12 F	ANGLE					4	150	·					/5°				
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4 JECT		REFLE LOCA	TION	AMPLITUDE	POSITIO	AMPLITUE	E POSITION	PEAK	50% D LOCAT	AC	AMPLITUDE			PEAK		6 DAC		
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			OTCH		_	40%	3.6		╂		80%	3.9						
		[4	y t		<u> </u>	28%	4.5	 	<u> </u>								FINALT	ME
N. CHECK									<u> </u>							-	16	
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CABLE																	CAL BLO	DCK CPL /54
BNC-1	۳¢				<u> </u>												······································	
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092/31		CAL. GAI	N 	<u> </u>							1 27.0						TIEMP. 7	8רבב* / PP
VELD JMBER	темр	BASE METAL		SCAN DIRE				AMINATIO			CROW			RESUL		4	REMA	RKS
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2	83°F	NO	YES	YES	YES	NO		NONE			BLEND	ED			\searrow	I.D.	GEOMET	ey-refer
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		PECTION						_00P "		EEDU	ATER	•			(URE SI - 207 REV.	0
WELD		INSER		MINAT			EXAMINEN	A LEVEL D	charfer	fu.I	- Par	A. 44	4. L	π		DATE 5-2-9	15	
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136-472		ANGLE		· · · · · ·				6	00			 ,		60°			· · · · · · · · · · · · · · · · · · ·	
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H							AMPLITUDE	POSITION	PEAK	50%	6 DAC	AMPLITUDE		PEAK	50%	6 DAC		
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	. –	144	It	 			1690	63		· · · · · · · · · · · · · · · · · · ·		-			 	+		
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OUPLANT			· - · ·	1						•	· •				•		THICKNESS 1.0	
092/31		AL. GAIN	J				40.2	dB				45.8	?JB				TEMP. 71 0F / #	
	TEMP.	BASE		SCAN DIR	ECTION			EXA		 DN		CROWN	J	RESUL	TS	1	REMARKS	
NUMBER	I CIVIP.	METAL SCAN	2	5	7/8	0			ITATION			CONFIGURA	TION NI	NRI	RI	1		
2 8	83°F	NO	YES	YES	YES	Na			NONE			BLEND	67		\mathbf{N}	170	GEOMETRY -	no for
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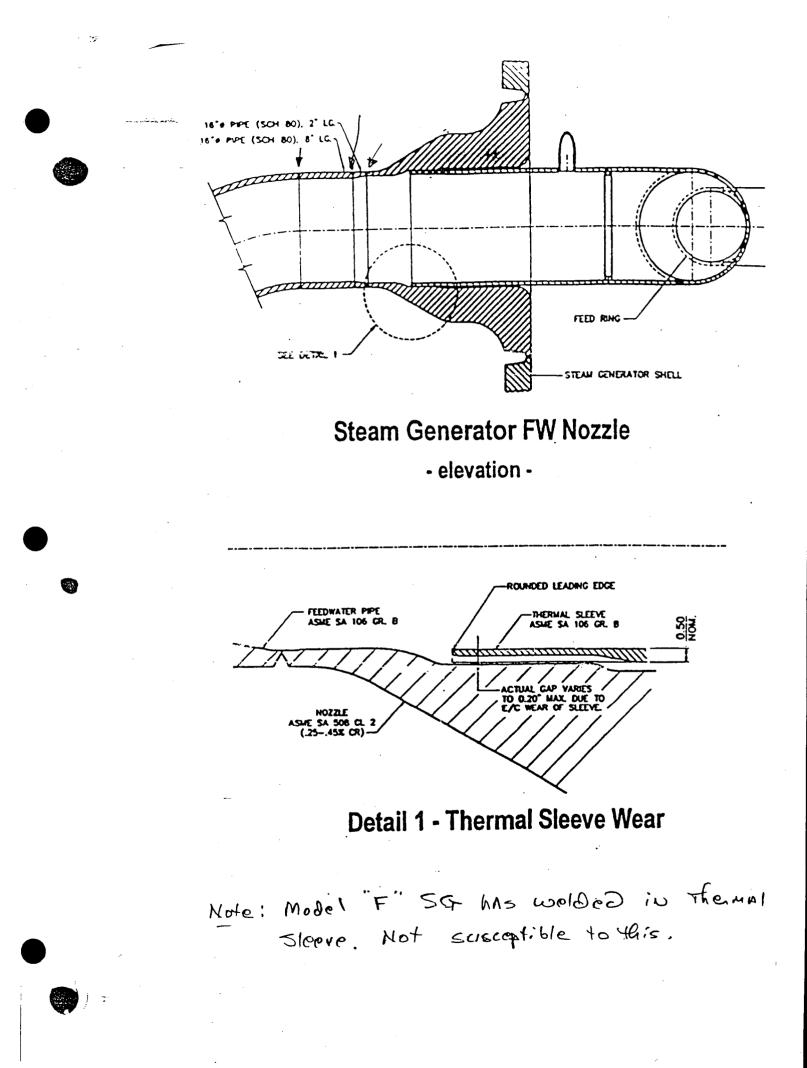
WESTI	NGHOU	SE NUCL	EAR SEI	RVICE DI	VISION	PLANT	1.B. R	BINS	SN					sketch CPL-	
	IN	SPECTIO	N SERV	ICES		SYST/CON				_				PROCEDI	
WEL	D UL1	RASON		MINAT	ION	EXAMINE	LOOP A LEVEL I one A.	I) / ,	EEDWATER	Pal A.	611	t LuT		DATE 5-2-9	51-207 REV. D
EQUIPME	NT	TRANSC	UCER		T BEAM SCA		AXI	AL SCANS			CIRCUMPE		SCANS		CALIBRATION CHECK
NST. S/N		S/N					13	8311		1					INITIAL TIME
SONIC	136	SIZE						.50 "		_					0550
136-4-	12 E	FREQ.						25 MH	5	_					
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4 REJECT		REFLEC LOCA1	CTOR	SIGNAL	. SWEEP DE POSITION	SIGNAL AMPLITUDE	SWEEP POSITION	PEAK	EREF. LINE TO 50% DAC LOCATIONS	SIGNAL AMPLITUDE	SWEEP POSITION	SCRIB PEAK		INE TO 6 DAC ATIONS	
OFF			۲ <u>۲</u>			80%	1.2								
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500		14 1	bten			15%	6.0					ļ	L	-	l
	F		••••••				}								
IN. CHECK				1								· · ·	<u> </u>	1	FINAL TIME
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U CABLE	MD														CAL. BLOCK CPL /54
OUPLANT					<u></u>		· · · ·	1	↓		I		1		THICKNESS 1.01 "
092131	<u> </u>	CAL. GAIN	J			34	1.6 d B				<u></u>	<u> </u>			TEMP. 71 ºF / *דכב
WELD	TEMP.	BASE METAL		SCAN DIR	ECTION			AMINATIC		CROW		RESUL	тѕ		REMARKS
UMBER		SCAN	2	5	7/8	0	LI	MITATION	S	CONFIGUR	ATION NI	NRI	RI		
2	83°F	No	YES	YES	NO	NO		NONE		BLENDE		$\left\{ - \right\}$	_)
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\mathcal{O}	NOTE	Supp	LEMEN	TAL E	KAM. PE	RFORMEL	TN TH	E WE	DEXAM.	PLUME	LITILIZ	I Dunie	-w A	E TE	CHNIQUE TO
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	_						LOOP		EEDW	ATER	•				CPL-I	SI - 207 REV. O
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		INOCI		1		tho		Deha	/	h. II	<u>/2l</u>	A. W			3-2-73	
EQUIPME	ENT	TRANSC	DUCER		T BEAM SCAI	N		AL SCANS					CTIONS 7			CALIBRATION CHECK
INST. S/N		S/N					43	987								INITIAL TIME
SONIC	136	SIZE						50"						_		0700
12/ 11-		FREQ.						5 mH2							•	
136-4-	12 F	ANGLE						70°L								
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REJECT							L	PEAK	LOCA	TIONS	<u> </u>			LOCA	TIONS	L
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FILTER								<u> </u>		 	ļ		ļ			
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SU CABLE			·····							+				<u> </u>		
6' BNC-	mcD															CAL. BLOCK CPL /5
COUPLANT	·					45	2 dB									THICKNESS 1.01 "
092131	<u>/ </u>	CAL. GAI	N T	<u> </u>			_ 00	<u> </u>			<u></u>				<u>.</u>	TEMP. 71 °F / *דכב אדם
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DATI	5-10	-95					· · · · · · · · · · · · · · · · · · ·				1				X ./	A1. 15/4/45

					<u> </u>	PLANT	H.B.	Robin	son				UNIT 2	·		SKETCH CPL-a	216	;	
WE	STINGHOUS	SE NUCLEAR	SERVIC	E DIVIS	ION	SYST/CO	DMP	"в"	16"	Feedu	ster				C	PROCED		Res C)
		SPECTION SE				HAL	LER (LEVI AL A. W Le A ITY AND	DRIGHT			\sim	. A	Jcharfe	-tr	71	DATE	-95	· ·	<u> </u>
						LINEAR	ITY AND		ECK SAT				CAL.'BL	OCK THIC		1.01			
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2	0	0	3.4/1.36	0.9			3.8	1.05	50%			4.0/	1.35	45°s	5	1.46	1.08	1.1	"L" M23 2.0" CU
		,	Sconn	d whi	e no	ntain,n	22 K	2 Il	1.0136	roll-	Ax 4	Z.6 1B	, Crc	53.40	IB	· ·			
						0													
2	0	0	4·5/ 1·8	1.5			4.8	1.6	65%			5.3 2.12	1.8	60°s	5	1-46	1.08	1.1	"L" M2x 2.0" (u)
	······		Scənn	ed wh	ile mi	ntəni	gal	0% I	D nois	e (dl-	Ax	48.8 <i>d</i> E	, Crc	52-80	1B				ļ
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	@	Scanned				/	1		1	or de	techi	on d	the in	12/12	tigue	-non	e dete	c <i>ted</i> ,	
	3	Indicativ	<u>ns v</u>	erece	ued	n pre	Uious	5 <i>dət</i> ə											
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AN	I REVIEW	bie																	
DA	TE <u>5-10-9</u>															lika	A.V.	for 5	19/95

FORM 45954C

WESTINGHOUSE NUCLEAR SERVICE DIVISION **INSPECTION SERVICES GENERAL – INDICATION DATA** H. B. Robisson____UNIT__ _____ SKETCH _____ CPL - 2/6 PLANT_ 16" Feedwater ___ PROCEDURE CPL-151-207 Rev O SYST/COMP_ A . Scharfa LoZDATE_ υŒ 5-2-95 EXAMINER LEVELI _ IDENT NO. _ Weld #2 DETECTED BY U/T PROVIDE SUFFICIENT INFORMATION TO DESCRIBE SIZE, LOCATION AND TYPE OF INDICATION. DESCRIBE EXTRA OR SPECIAL EQUIPMENT IF USED FOR SIZING OR REPORTING. IF NECESSARY INCLUDE SKETCH SHOWING GENERAL CONFIGURATION OF ITEM OR AREA. FLOW -ELBOW Expander. 4 #2,60° #1,45° Sichard Blober 5/9/13 ATE 5 FORM 45936B

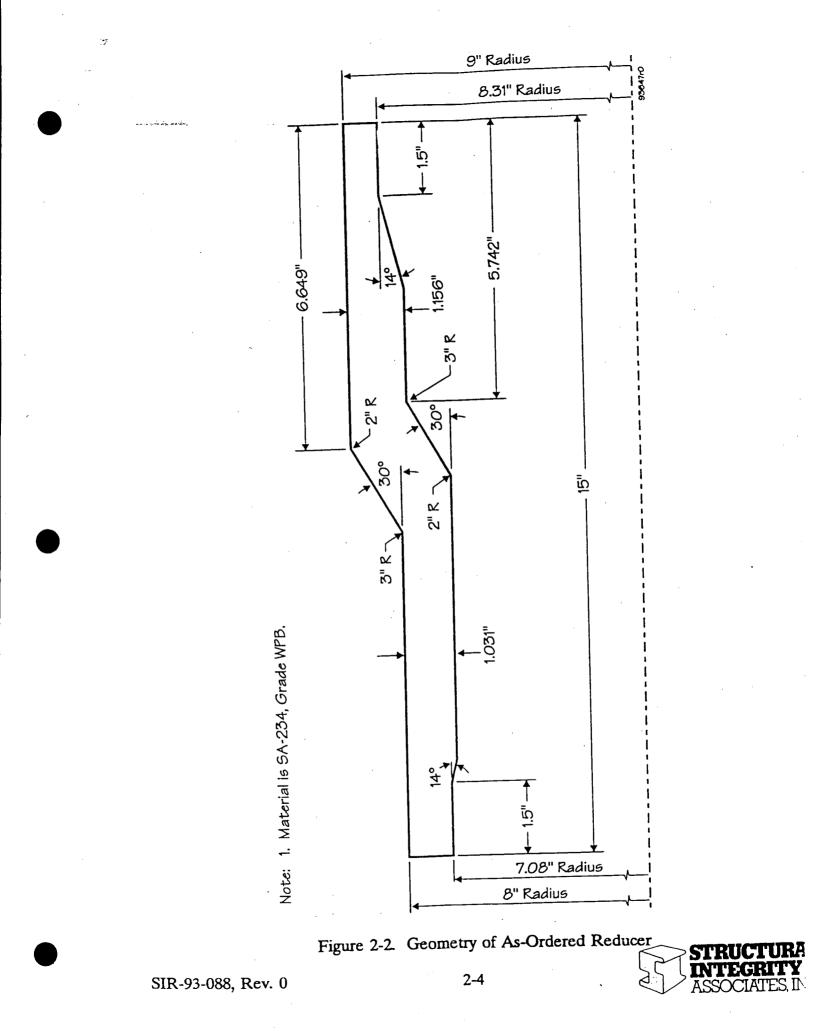


SIR-93-088, Rev. 0

Figure 2-1. Geometry of Nozzle/Extension Piece/Thermal Sleeve

Ç Weld - 1.81"-9.56 Extension Piece 27.50" Dia. 5" R 2.62" 2.12" 30° Nozzle **_**▶0.75' 15° 14° 18.50" Dia. **↓**→ 0.5" 18.00" Dia. 16.31" Dia. 8.31" Radius 52.5° 17.00" Dia. 17.31" Dia. 22.5° 9" Radius Ç Weld 17.35" Dia. Carbon Steel Thermal Sleeve 2.00" --Inconel Weld Inconel Thermal Sleeve 7.75" 93659rO 1. Extension Piece Material is SA-508, Class 2. Notes: 2. Nozzle Material is SA-336. 3. Thermal Sleeve Material is SB-166 and SA-106, Grade B.

2-3



PREVIOUS NES DATA

WELD #1

FOLLOWS

DATA SHEET N PAGE BASE MATE (CAL-216 RND EXPI	OF EIAL EXI WELD ;	2 4 AM, REG # / W. R	DUCER	Č	ALI	ras Bra A Sh	TIO	N		RE	v). <u></u>) NO		
	NSTRUM 5/1-7 7/276 -	3702		Size _ Freque	No/	EARCH 7 28/E 7 00AL 5.0	31 AAA	<i>пла</i> МН:		۳۳۳ Ten	<u>800</u>	BRATI	3 <i>E</i> Dia 70	<i>N/A</i> ° F
Range Gain (coarse) Gain (fine) Reference Se Remarks:	5'' _ <u>20</u> _22 	12	dB dB	Nom. / Measu Cable Cable	Angle _ ured Ang Type _ Length	<u>5700)</u> gle <u>0</u> <u>560</u> <u>6</u> <u>0</u> 7	А Солт			0° Met	C		MATION	
	TICAL LII	-	\exists		ULTI	COUPL 2 <i>A&EZ</i> 2930	. 77					PROFI		HICKNES
HIGH			H LOW				r	D	AC PLO	DT			······	
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4 70 5 60	35	0	2 10	70										
AMPL. C	ONTROL		RITY	60 50						·				
INITIAL	dB	R	ESULT	40										
80	6		40	30			-						 	
80	-12		20	20		<u> </u>	<u> </u>							╂──┤
40 20	+6 +12		80 80	10										
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INTERMEDI	ATE		2/6					· /A						
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INTERMEDIA	ATE		A			. /	1//	<i>]]</i>						alas la
FINAL CAL.		15	345	REVIEW		1 2 1 2 3	Alla I	hobe		LEVEL		A	DATE	9/23/9= 9/83/9= 10-1-41 10/9/93 10/13/93

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NES 9/90 - REV. 1

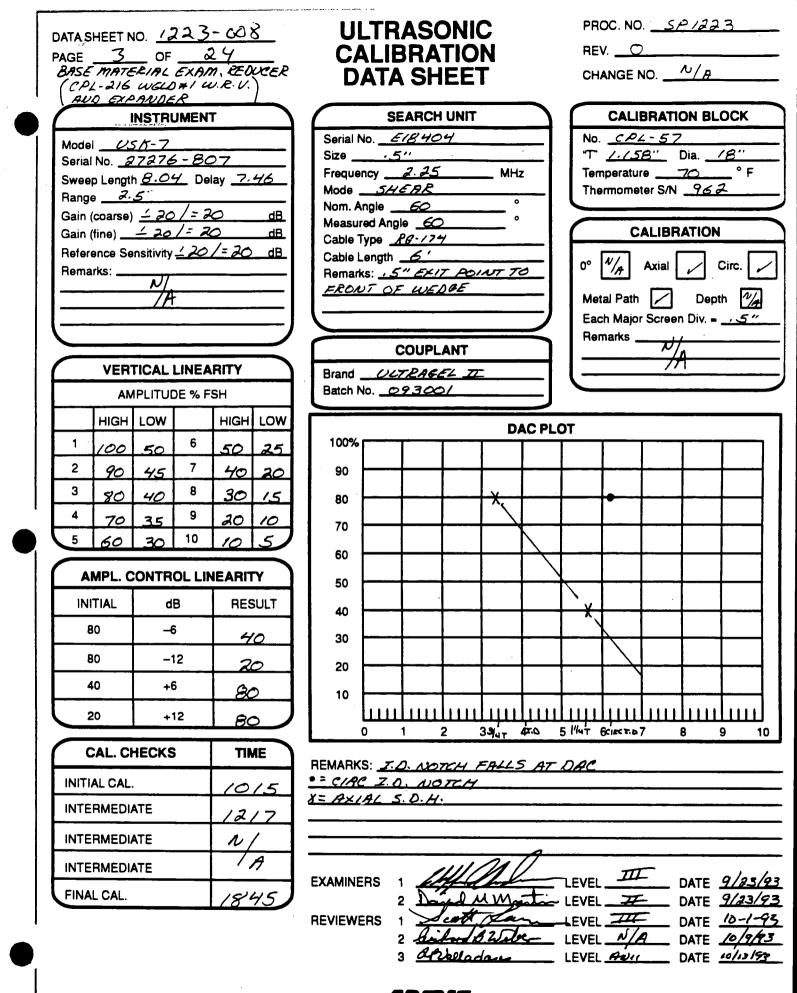
ATA SHEET NO	1223	- 003	U	LTR	ASC	DNI	C		PR	OC. NC). <u>- 5</u> /	, 122	3
AGE 2	OF	24 M. REDUKER	C/	ALIE						_			
CPL-216	WELD#	wev)	D	ATA	SH	EE	Γ		СН	IANGE	NO	N/A_	
	ISTRUMEN'	r	\square	SE	ARCH	UNIT			\square	CALI	BRATI	ON BL	.OCK
Model USA	r-7			No. <u>11</u>							- 57		
Serial No. 27	<u> 276 - 749</u>			<u>^ک ,</u> س_ ncy			MH	<u> </u>	Tor	<u>7.75</u> Doeratu	<u>'8''</u>	Dia/ 70	°F
Sweep Length Range		ay <u>7.60</u>	Mode	SHL	PR				The	ermome	ter S/N	96	<u>z</u>
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Gain (fine)	201=28	<u>3 dB</u>		red Angi Type <u>1</u>					\square	C	ALIBR	ATION	
Reference Ser		<u>/=28_dB_</u>	Cable L	ength	6'			_	0°	N/A	Axial		Circ.
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20	+12			1111				1111	1111	1111		1	1111
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INTERMEDIA	TE	1 A				11/	11	19-		-11	_		
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			REVIEW	ERS ·		Ste	Zh			14			10-1-
				1	2 dis	and	6.We	ke-	LEVEL	//	9	DATE	<u> 19/9</u>
				:	3 <u>Al</u>	all a	dau		LEVEL	<u> AN' 11</u>		DATE	10/ 13/4

NUCLEAR ENERGY SERVICES, INC. -

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NES 9/90 - REV. 1



	5	NUCLEAR	ENERGY	SERVICES, INC.	-
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NES 9/90 - REV. 1

DATA SHEET NO.	1223-003	
PAGE	OF _24_	

EXAM ITEM

"B"SIG F.W. REDOCER BASE MATERIAL

ULTRASONIC EXAMINATION DATA SHEET

COMPONENT/SYSTEM'&<u>"sk Fry Conver</u>i ISO/DWG. NO.<u>CAL 216</u> REV. <u>O</u> THERMOMETER S/N <u>962</u> COMPONENT TEMP. <u>80</u> ° F

	LAL	<u> </u>]					
CAN _ CAN de	45 3 <u>3</u> 8	<u>a</u> °	EXAMIN COMP			AETRIC ATIONS		RDABLE ATIONS	EVALI	UATION
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AV	N/A	N/A	\checkmark	N/A	NA	/	N/A	~		NIA
DNE.	DET	ECTE	D. 6201	METRIC		IONS NO	OTED A	AT BELC	OW REC	DEDABLE
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0° 1	=		YES	NO	YES	NO	YES	NO	ACC.	REJ.
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SCAN _	~	<u>- °</u>	EXAMIN COMP			ETRIC ATIONS		RDABLE ATIONS	EVALL	JATION
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(AMINEF	A.W.	Inst			DATE <u>9/23</u>	193 2	anallas	9 2 Jole		A DATE 🔏

DATA SHEET NO.	12-	3-005
PAGE C	OF	24

EXAM ITEM

"B" SIG FW. LEDUCER BASE MATERIAL EXAM.

ULTRASONIC EXAMINATION DATA SHEET

COMPONENT/SYSTEM² s/s. F.W. REDUC ISO/DWG. NO. CHL-2/6 REV. _____ THERMOMETER S/N _____962____ COMPONENT TEMP. _____80____° F

]						
SCAN <u>60</u> ° SCAN dB <u>52</u>		NATION PLETE					EVAL	UATION	
0° 1 =	YES	NO	YES	NO	YES	NO	ACC.	REJ.	
VIA V NIA N/A		N/A	V	N/A	NA	/		N/A	
REMARKS: <u>SCAA</u> NONE DET		<u> </u>	FOR DET Les Exa,		of Weld		FATIGUE #2 from	Reducen	- 1
SCAN <u>60</u> ° SCAN dB <u>52</u>	EXAMIN			AETRIC ATIONS			EVAL	UATION	
0° <u>1</u> =	YES	NO	YES	NO	YES	NO	ACC.	REJ.	
U/A N/A / N/A		NIA	w/#	~	N/A	~	\checkmark	n/A	
NONE DETE	CTED .	Luclude	Examin	nation o	Fulelds	TI and	*2 from	Kedvensi	<u>de</u>
SGAN° SCAN de	EXAMIN COMF			ATIONS			EVAL	JATION	
0° 1 =	YES	NO	YES	NO	YES	NO	ACC.	REJ.	I
REMARKS:				L				1	
				<u> </u>	<u> </u>				
SCAN °	FXAMI	NATION	GEON	AETRIC	RECOR		EVAL	UATION	
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Dei_OMM_			DATE <u>9/23</u> DATE <u>9/83</u>	193 1	VIEWERS:	luster dans		DATI	10-1 10/9
9/90 - REV. 1				ne	NUCL	EAR ENE	RGY SERV	ICES, INC.	

ISO/D\			Expand	der		PIPIN FERR	RE G WELC	SSELS 2	SHEE		1		DATA SHEET NO. 223-003 PAGE 6 OF 24 W0 WMax CL W1 W2 V1 W2
SEAR MP RBR L	Metal I Remai	Path	Reflection atum			max 1	Distance	from Wo to from Wo a from Wo a	o S.U. at n t 50% of [DAC (fwd)	esponse.		$\begin{array}{c c} \hline \\ \hline \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $
Ind.	%	w	MAX	FV 50%	VD DAC*	BACK 50%	WARD DAC'	L ₁	L	L ₂	RBR	S.U.	
No.	of DAC*	w	MP	W ₁	MP	W ₂	MP	50% DAC	max	50% DAC	amp	Loc.	REMARKS
12/	25% 20%		.875" 1.225"	.40" .85"	.75" 1.15"	.60" 1.2"	.95'' 1.3''	.5″cw .5″cw	.3ēcw •3ēcw		"/А "/А	U.S. D.S.	Indications # 1 and #2 are Non-Metallic Inclusions, And were Recorded to Confirm and
													to assist in Disposition of Indications Recorded on 60° Indication Report Sheet
Ferritic v		2" T: recor	rd 50% of r	naximum r 7 LE	esponse fo	T	DATE	00% DAC.			L	. <u> </u>	Note: See 60° Indication Report Sheet
REVIEWE	2 RS 1 2 3	Vijel Scite Ariles Alekto	MM The last	<u>یہ او</u>			DATE 4	-1-93	>		h ann a -	•	

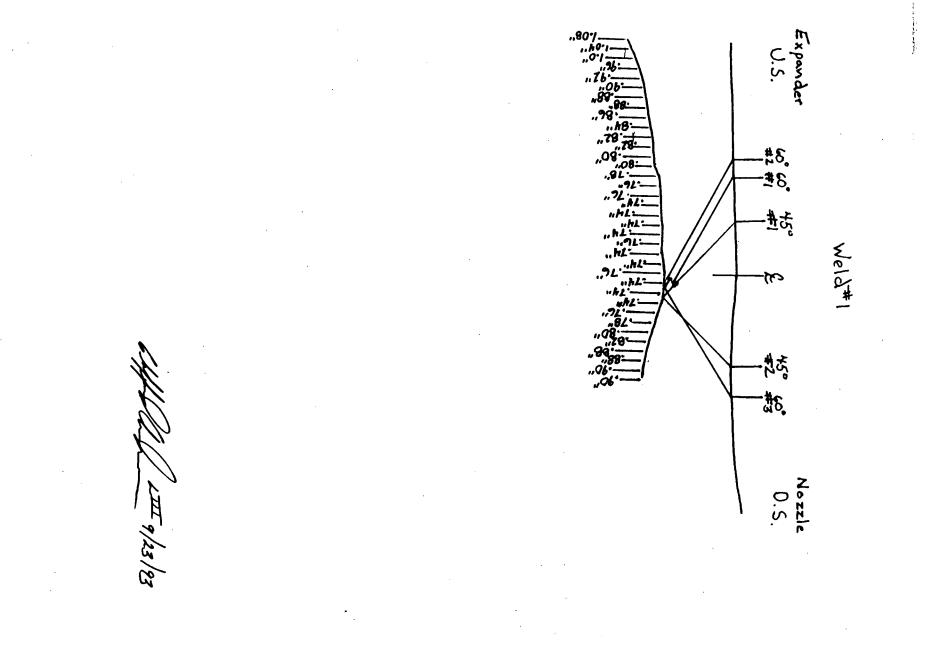
EXAM BASE (WEU GXP		AL EXAL R.V. A	M, REOUC	?ER	\int	U		SONIC PORT		ATION	······································		DATA SHEET NO. 1223-000 PAGE 7 OF 29
	WG. NO. - 216							SSELS ≧	≥ 2" T *				Wo WMax CL WI W2
SEAR MP RBR L	Metal F Remai	Path	Reflection		W ₀ LOCA W W	max 1	Distance Distance	from W ₀ to from W ₀ a	o S.U. at n at 50% of [ATION naximum re DAC (fwd) DAC (back	esponse.		$\begin{array}{c c} \hline \hline$
Ind.	%	w	MAX	FV 50%	VD DAC*	BACK 50%	NARD DAC*	Lı	L	L ₂	RBR	S.U.	SAMPLE INDICATION
No.	of DAC*	w	MP	W1	MP	W ₂	MP	50% DAC	max	50% DAC	amp	Loc.	REMARKS
1	12.5%	1.0"	1.2"	.80"	1.05"	1.3"	1.55"			.25"cw		U.S.	Indication#1, #2 and #3
2 3	40% 30%	<u>1.2"</u> 1.2"].4"].5"	1.1"	1.35"	1.45"	1.65" 1.75"			.10cw .10cw	. /	<u>U.S.</u> D.S.	are Non Metallic Inclusioner They can also be Seen with a O° at
			•										Depths of .64".68". And are
									· ·				located at 1" to 2" D.S. from
													and Beam Plots Review of
													Radiographs also confirmed the Existence of Non Metallic Inclusions.
Ferritic v	essels≥ 2	2" T: recor	d 50% of r	naximum i 1	response f	or indicatio	ons over 1	00% DAC.				N	ote: Also See 45° Indication Report Sheet:
EXAMINE	RS 1 -	////	u Mant				DATE 2/2					• .	57881.
REVIEWE	RS 1 2 3	Acett and	Anna da an				DATE <u>/</u>	-1-9	3				

ATTONAL 42 JB1 SU SHEFTS S SUHARI 42 JB2 100 SHEFTS S SUHARI 42 JB9 200 SHEFTS S SQUARE

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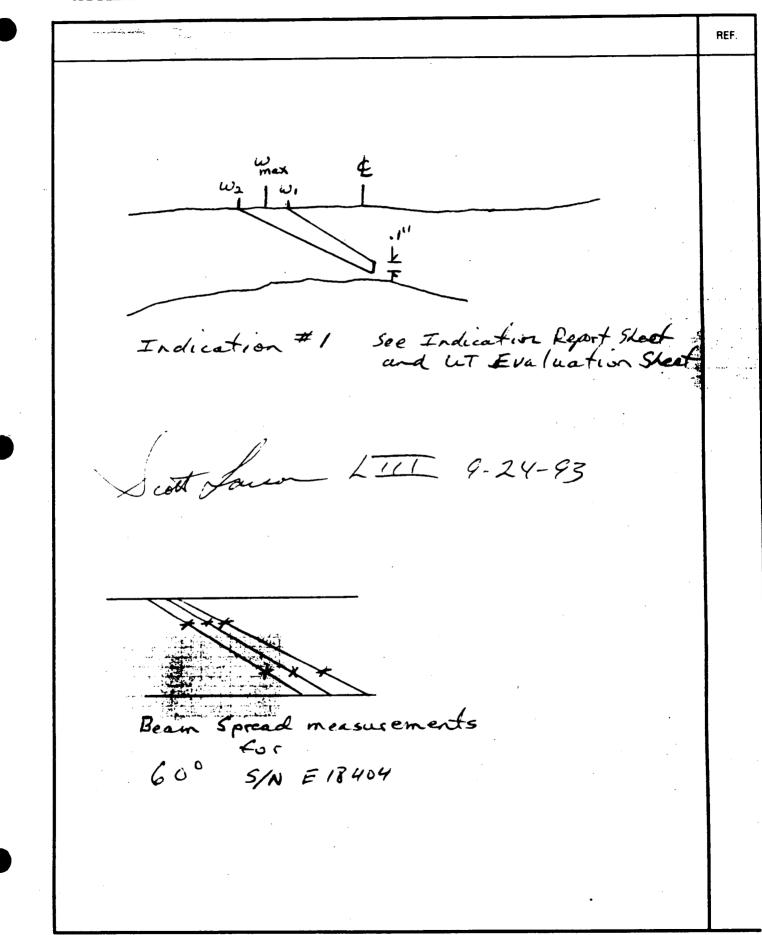
CPL-216 Weld#1 Reducer Base Materia



ISO:	n Technique que (PATT) izing Technic on (Creeping	20 dB Drop (SPOT) Longitudinal	· · · · · · · · · · · · · · · · · · ·	DATA PKG: <u>/</u> PAGE <u>9</u> EXAM ITEM: PROCEDURE: REV./F.C.: <u>C</u> TITLE: <u>C</u>	$ \begin{array}{c} OF \\ \underline{a}/6 \\ \underline{sp}/a \\ \underline{c} $	24 1 23 23
SIZING PARAMETERS: MATERIAL: <u>Fersitic</u> (NOTE: Only applicable data is to be recorded.) See Indication Report S.		NESS (T):	.74"	(] NO	ominal D	ACTUAL) # /
See Indication Report S.	heet p	1	2	3	4	5
THROUGH WALL DIMENSION	('a')	.1				
FLAW LENGTH	(°F)	.25				
LAMINER INDICATION WIDTH	(W)	N/A		N		
DEPTH FROM I.D.	(₁)	.09				
DEPTH FROM O.D.	(0 ₁)	.55		//		
PROXIMITY TO NEAREST SURFACE	(S)	.09			1	
SURFACE CHARACTERIZATION LIMIT		.02				
(0.4 X 1/2 Through Wall D CHARACTERIZATION: <u>Subsurface</u> ASPECT RATIO	(a/l)	که. 20				
S/a		18				
(MULTIPLY BY Y IF SUB-SURFACE) Flaw ac	tual (Y)=1	6.75		P	\searrow	
ALLOWABLE FLAW SIZE	(a/t)	17.7			f	
ACCEPTANCE CRITERIA: ASME SECT. XI ED. <u>192</u> OTHER: <u>N/A</u> COMMENTS: <u>Flaw does not exceed 7</u> Non-metallic inclusion EXAMINER 1: <u>Cost Jam</u> EXAMINER 2: <u>N/A</u> EVIEWER 1: <u>M/A</u> REVIEWER 2: <u>Dichard B. W.S.</u> REVIEWER 3: <u>Brouladare</u> HNM	He alla LEVEL LEVEL DATE: DATE:	intied	<u>flow si</u> on ra <u>/A</u> 3		ble IL . See a 9-24	-93
NES 6/93-REV 1				11	25	



BY _____ DATE 2/12 PROJ 1/4 TASK N/ CHKD. N/12 DATE N/E PAGE 10 OF 24 1223-005



						11.	sf 24	1
CARC	DLINA POWER & LIG	нт сом	PANY			FORM	QA UT-164	19
ULTRASONIC CAL	IBRATION SHEET FOR	PLANAR	FLAW SIZIN	G		RE	VISION O	·
Plant: HBR	Unit: 2		Date: 9/30/	193	Sheet num	nber: /22	23-043)
Procedure: NDEP - 426	Rev: O		Couplant: ULT	RAGEL	π	Batch No	09305	/
Examiner:	Level: TT	2	Calibration Bloc	ck ID: CA	2-UT-00		Pyrometer	
Examiner: Dai MMart	Level: II		Callbration Bloc				962	
REFERENCE BLOCK	INSTRUMENT	٦	TRANSDUCER		Ş	SIMULATOR	R BLOCK	
Type: Model: Model: Model: Serial Serial	digital 🛛 analog : <u>USK-7</u> No: <u>27276-749</u> acturer: <u>KRAUTKRAMER</u>	Slze:	B05236	Mhz	ID: Reflector Typ CE-2: Pulse Separat	D1v`s	U /A Depth	
INSTRUMENT SETTINGS	C/	ALIBRATION		METHOD			C A BI	ES
Reject $miN.$ Damping $FIXEO$ Delay 7.21 Mat ⁻¹ Cal 6.30 N/A Frequency $FIXEO$ Galn/Coarse	s> <u>.6</u>	Á		buise separation hole	Wave Mode shear: tudinal: -modal: Type Reflect s:		RG62 RG58 RG174 Length: <u>6</u> Initial Cal Fime: <u>70</u>	Ibration
Gain/fine 12 Filter $FIXED$ Pulse/Echo Thru trans Jack Used: T_ $/$ $/$ $/$ $/$ $/$ $/$ $/$ $/$ $/$ $/$.3 .3 .3 .45 .3 .45 3 .45 		epth in Inches	7	NTT Measu Beam NLT <u>4</u> NST NOT	Angle 5 deg.		Initials
CPL-216 WELD #1 REVIEWED BY	LEVEL	DATE:	OZ ANII F	CE-2	DIV	/ 5	1525 DATE:	

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CAR	OLINA POWER & LIG	нт сом	PANY				QA UT-16A
ULTRASONIC CA	LIBRATION SHEET FOR	PLANAR	FLAW SIZING			RE	VISION O
Plant: HBR	Unit: 2	e e e e e e e e e e e e e e e e e e e	Date: 9/30/9=	3	Sheet num	ber: 123	3-003
Procedure: NDEP-426	Rev: O		Couplant: ULTR,		Ŧ	Batch No:	093051
Examiner: Company	Level: _777		Callbration Block				Pyrometer S/N:
Examiner: Dand M.Mar	Level: 77	I.	Callbration Block				962
REFERENCE BLOCK	INSTRUMENT		IRANSDUCER		S	IMULATOP	BLOCK
ID: [] digital 🛛 analog	-	e 🔲 Dual 🕻			· · · · · · · · · · · · · · · · · · ·	
Haterial: "A Seri	1: <u>USK-7</u> al No: <u>27276-807</u> Macturer: <u>KRAUTKRAIMER</u>	Frequency: Size: 2	22/1-93001 M (25mm × 12mm) rer:	lhz CE	flector Typ -2: Ise Separat	Div's	
INSTRUMENT SETTINGS	C/	ALIBRATION	M	ETHOD	Wave Mode		CABLES
Reject m_{IN} .Damping F_{IXED} Delay 6.70 Mat ⁻¹ Cal 7.90 N_{IA} Frequency F_{IXED} Galn/Coarse 20 Galn/fine 34 Fliter F_{IXED}	screen diversion of the second		pulse separation	longitu bi-n Ty holes: notche	shear: dinal: nodal: ype Reflect s: T Measu Beam	or D Ted	RG62XRG58[_]RG174[_]Length:6'Initial CalibrationTime:10.30CAL CHECKSTimeInitials1220
Pulse/Echo 🗍 Thru trans 🔀 Jack Used: T_ <u>/</u> /R_ <u>/</u> Rep Rate <i>FIXED</i>	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \end{array}{} \\ \end{array}{} \\ \end{array}{} \\ \end{array}{} \\ \end{array}{} \\ \end{array}{} \\ \begin{array}{c} \end{array}{} \\ \end{array}{} \\ \end{array}{} \\ \end{array}{} \\ \end{array}{} \\ \begin{array}{c} \end{array}{} \\ \end{array}{} \\ \end{array}{} \\ \end{array}{} \\ \end{array}{} \\ \begin{array}{c} \end{array}{} \\ \end{array}{} \\ \end{array}{} \\ \end{array}{} \\ \end{array}{} \\ \end{array}{} \\ \begin{array}{c} \end{array}{} \\ \\ \end{array}{} \\ \\ \end{array}{} \\ \end{array}{} \\ \\ \end{array}{} \\ \end{array}{} \\ \\ \end{array}{} \\ \\ \end{array}{} \\ \\ \\ \end{array}{} \\ \\ \\ \\ \end{array}{} \\ \\ \\ \\ \end{array}{} \\ \\ \\ \\ \\ \end{array}{} \\ \\ \\ \\ \end{array}{} \\ \\ \\ \\ \\ \end{array}{} \\ \\ \\ \\ \\ \\ \\ \end{array}{} \\ \\ \\ \\ \\ \\ \\ \\ \\ \end{array}{} \\ \\ \\ \\ \\ \\ \\ \end{array}{} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	· · ·	epth In Inches		г <u>6(</u> т	-	1344 N/A
remarks CAL-216 WELD#1	· · · · · · · · · · · · · · · · · · ·			CE-2:	Div	's	1527
REVIEWED BY:	LEVEL	DATE	ANII RE	1			DALE

DATA SHEET NO. Z PAGE <u>73</u> 0 EXAM ITEM		<u> </u>	EXA	TRASON MINAT TA SHE	ION	IS T⊦	DMPONENT/ O/DWG. NO IERMOMETE DMPONENT	<u>PL216</u>
Weld#1								
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for the Dete	ction of (rackTi	ips was "	Perform	ed 361) [°] usino	the Hi	gh Ane
L-Wove Te	hnieve.	No Cr	ack Ti	ps were	Obser	ved		7
scan <u>60</u> °	EXAMIN		GEOM	METRIC		RDABLE	EVAL	UATION
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Angle L-V	Vave lec	hnique.	Notra	ck lip	<u>s were</u>	Obser	ved.	
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David M. Mr.			DATE <u>9/3</u>		istand l	. Weber		
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