

Serial: RNP-RA/12-0063

**JUN 15 2012**

United States Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-261/RENEWED LICENSE NO. DPR-23

SUBMITTAL OF 90 DAY INSERVICE INSPECTION SUMMARY REPORT

Ladies and Gentlemen:

In accordance with the requirements of 10 CFR 50.55a, "Codes and Standards," Carolina Power and Light Company, now doing business as Progress Energy Carolinas, Inc., (PEC), is providing, as an attachment to this letter, the Inservice Inspection Summary Report for Class 1 and Class 2 pressure retaining components and their supports. This report has been prepared in accordance with the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, 1995 Edition, 1996 Addenda, Article IWA-6000. This report covers inspection activities before and during Refueling Outage 27 at the H. B. Robinson Steam Electric Plant, Unit No. 2.

As stated in Section 3.0 of the attached report, steam generator eddy-current testing was not performed during this outage. Therefore, no Steam Generator Tube Inspection Report will be issued (Technical Specification 5.6.8, Steam Generator Tube Inspection Report).

A047  
NRR

United States Nuclear Regulatory Commission  
Serial: RNP-RA/12-0063  
Page 2 of 2

There are no new commitments being made in this letter. If you have any questions concerning this report, please contact me at (843) 857-1329.

Sincerely,

A handwritten signature in black ink that reads "W. Richard Hightower". The signature is written in a cursive style with a large, stylized "W" and "H".

W. Richard Hightower  
Supervisor - Licensing/Regulatory Programs

WRH/tjr

Attachment

c: V. McCree, NRC, Region II  
A. Billoch-Colón, NRC, NRR  
Resident Inspector, HBRSEP

United States Nuclear Regulatory Commission  
Attachment to Serial: RNP-RA/12-0063  
160 pages (including cover)

**H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2**

**INSERVICE INSPECTION SUMMARY  
REPORT FOR REFUELING OUTAGE 27**

INSERVICE INSPECTION REPORT  
INTERVAL 4, PERIOD 3, OUTAGE 2  
(RO #27)

ISI SUMMARY REPORT

FOR

H.B. ROBINSON NUCLEAR STATION  
(UNIT 2)  
3581 WEST ENTRANCE ROAD  
HARTSVILLE, SC 29550

CAROLINA POWER AND LIGHT, Dba,  
PROGRESS ENERGY CAROLINAS, INC.  
411 FAYETTEVILLE STREET  
RALEIGH, NC 27602

COMMERCIAL SERVICE DATE: 3/7/71

REPORT COMPLETION DATE: 6/13/2012

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

As required by the Provisions of the ASME Code Rules

1. Owner: CP&L, Inc, DbA Progress Energy Carolinas, Inc., 411 Fayetteville St., Raleigh, NC 27602

(Name and Address of Owner)

2. Plant: H.B. Robinson, 3581 West Entrance Rd., Hartsville, SC 29550

(Name and Address of Plant)

3. Plant Unit : 2

4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date: 3/7/1971

6. National Board Number for Unit : 20772

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Westinghouse	S/N 66109	N/A	NB-20772
Pressurizer	Westinghouse	S/N 16A6208-1	N/A	#722
Steam Generator A	Westinghouse	S/N 93732	N/A	N/A
Steam Generator B	Westinghouse	S/N 93733	N/A	N/A
Steam Generator C	Westinghouse	S/N 93734	N/A	N/A
Reactor Coolant Pump A	Westinghouse	CPLRCPCPC1	N/A	N/A
Reactor Coolant Pump B	Westinghouse	CPLRCPCPC2	N/A	N/A
Reactor Coolant Pump C	Westinghouse	CPLRCPCPC3	N/A	N/A
Regenerative Heat Exchanger	Westinghouse	N/A	N/A	N/A
Boron Injection Tank	Southern Fabricators	S/N 0049	N/A	#368
Residual Removal Heat Exchanger "A"	Atlas Industries Mfg. Co.	#881	N/A	#731
Residual Removal Heat Exchanger "B"	Atlas Industries Mfg. Co.	#882	N/A	#732
Piping	Ebasco Services	N/A	N/A	N/A
Piping	Maintenance	N/A	N/A	N/A

Form NIS-1 SECTION XI - DIVISION 1 1995 Edition, thru 1996 Addenda

FORM NIS-1 (Back)

8. Examination Dates 7/19/2010 to 3/18/2012
9. Inspection Period Identification: Period 3 (2/19/2009 / 7/20/2012)
10. Inspection Interval from: 2/19/2002 to 7/20/2012
11. Applicable Editions of Section XI: 1995 Edition, thru 1996 Addenda
12. Date / Revision of the Inspection Plan: 9/29/2011 Revision 19
13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.

See Attached Summaries

12. Abstract of Results of Examination and Tests.

See Attached Summaries

13. Abstract of Corrective Measures.

See attached Summaries

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

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

Date: 6/13/12 Signed: Progress Energy Carolinas, Inc. By: MW BL

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSBCT have inspected the components described in this Owner's Report during the period 7/19/2010 to 3/18/2012 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 certification neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Robert L. [Signature]  
Inspector's Signature

Commissions NB 12442 ANI NC 1580

National Board, State, Province, and Endorsement

Date: 6/13/12

Eddy Correct Procedure HBR ET-1/0/0/0 was  
not demonstrated to or accepted by ANI RW 6/13/12

9/13/12  
6/13/12

## **1.0 ABSTRACT**

- 1.1 This report presents the results of the Inservice Inspection of the Fourth Interval, Third Period, Second Outage, for refueling outage number twenty-seven (RO-27) at the H. B. Robinson Unit 2 Nuclear Station. Refueling outage RO-27 is the last outage of the Fourth Ten Year Interval. Examinations of steam generator feedwater nozzles per NRC IE Bulletin No. 79-13, piping welds, piping supports, component welds, component supports, and bolting and were conducted in accordance with ASME Section XI, 1995 Edition, thru 1996 Addenda. Repair and replacement efforts included modification and maintenance of component replacements. Pressure testing of ASME Code systems and their components was performed in accordance with the requirements of ASME Section XI, IWA-5000, IWB-5000, IWC-5000, and IWD-5000.
- 1.2 Indications discovered during visual examination of component supports were evaluated and accepted, repaired or restored to the original design configurations.

## **2.0 INTRODUCTION**

- 2.1 This report contains a detailed item-by-item summary of examinations and test results performed by Progress Energy Carolinas, Inc., AREVA, and Mistras, during RO-27 (1/18/2012 thru 3/18/2012) and from the last NIS-1 Report ending on 7/19/2010. The Fourth Interval, Third Period examination percentage requirements are contained in Tab F. Examination reports, sketches, examination limitations, consumable testing materials, personnel qualifications and calibration standards are retained by Progress Energy Carolinas, Inc. on site. Detailed information for outage activities is contained in the Inservice Inspection RO-27 Final Report. These reports may be obtained through the Progress Energy Carolinas, Inc. plant document control services.

## **3.0 EDDY CURRENT EXAMINATION**

- 3.1 No steam generator Eddy-Current Testing was performed during refueling outage 27.

## **4.0 INSERVICE EXAMINATION EVALUATION**

- 4.1 The inservice inspection non-destructive examinations performed during RO-27 at H. B. Robinson, Unit 2 Nuclear Station were conducted in accordance with the RO-27 outage plan derived from the Fourth Ten Year Inservice Inspection Program and Plan. This plan meets the requirements of ASME Section XI as defined in the 1995 Edition, thru the 1996 Addenda, H. B. Robinson, Unit 2 and Title 10 of the Code of Federal Regulations, Part 50.55a(g) including those applicable relief requests approved by the Nuclear Regulatory Commission for the Fourth Ten-Year Interval.

- 4.3 Ultrasonic, liquid penetrant and magnetic particle revealed no service-induced flaws exceeding the acceptance criteria of ASME Section XI, 1995 Edition, thru 1996 Addenda.
- 4.4 Visual examinations of supports, which revealed indications requiring evaluation, were determined to be functional. All reported indications on supports were evaluated by Civil Engineering under the Corrective Action Program (CAP) to determine if the supports were functional and had no operability concerns. However, in some cases, Progress Energy Carolinas, Inc. has elected to restore the supports to their original design via the WO (Work Order) process and re-inspected to ensure those components have been returned to their design condition.
- 4.5 The results of examinations performed at the H. B. Robinson Nuclear Station during RO-27 are classified into one of the following categories:

Sat - No Rejectable Indications

UnSat - Rejectable Indications

- 4.6 The Inservice Examination Summary tables (TAB B) itemize the components examined during RO-27. The percent Code required volume (CRV) or Code required area (CRA) covered during the examination, if less than or equal to 90%, is delineated in the comment section of the examination. The following is a brief explanation of the type of information included in the NDE Summary:

- **Summary No.** – Unique tracking number utilized within the ISI Program/Plan.
- **Component ID** - Identification of the component examined or tested
- **Component Description** - A description of the component configuration
- **Category** - The ASME code category that the examination was performed to.
- **Item** - The item number of the applicable code category that the examination was performed to.
- **Procedure** - The procedure utilized to perform the examination.
- **Method** – The examination or test method
- **Report #** – The unique examination number assigned to an exam.
- **Results** – The results of the examination
- **System** - The system on which the component was examined
- **ISO Number** - The isometric drawing identifying the location of the component being examined.
- **Exam Date** - The date the examination was completed.

Volumetric examinations were performed on the reactor vessel nozzles for successive inspections are required per IWB-2420 for the three hot leg and one cold leg nozzles with indications identified in RO-25. The indications characteristics remained essentially unchanged.



## **5.0 AUGMENTED EXAMINATION PROGRAM**

- 5.1 The Augmented Examination Program included in this report documents the inspections performed to satisfy regulatory documents or commitments, other than ASME Section XI. These examinations are summarized in the Augmented Examination Summary, TAB C, of this Report.

### **AUGMENTED E-1**

During refueling outage RO-27, ultrasonic examinations were conducted in accordance with NRC commitment ID 92R0362 for the steam generator feed water nozzles (79-13).

### **AUGMENTED E-13**

During refueling outage RO-27, examinations were performed on piping related to MRP-146S on two lines, 2-RC-2501R-38 & 2-RC-2501R-39.

### **AUGMENT E-16 (N 722-1)**

During refueling outage RO-27, the hot leg visual examination was not performed and is crediting the examination requirement associated with ASME Code Case N-770-1. The visual examination of the hot legs was not performed as allowed by ASME Code Case N-722-1 when volumetric examination is performed under ASME Code Case N 770-1.

### **AUGMENT E-17 (N-770-1)**

During refueling outage RO-27, the hot leg volumetric examination was performed as required per ASME Code Case N-770-1, as modified by 10CFR50.55a.

## **6.0 PRESERVICE EXAMINATION**

- 6.1 Preservice examination of Code Class components were conducted at the H.B. Robinson Unit 2 Plant from the close of RO-26 (July 19, 2010) to the close of RO-27 (March 18, 2012) were performed to the requirements of ASME Section XI 1995 Edition, thru 1996 Addenda. A summary of these examinations and the results are listed in the Preservice Examination Summary, TAB D, of this report.
- 6.2 The detailed examination data sheets recording all of the volumetric, surface and visual results for the preservice examinations are located in the Inservice Inspection RO 27 ISI Final Report and may be obtained through the Progress Energy Carolinas, Inc., H.B. Robinson Plant Document Control Services.

## **7.0 PRESSURE TEST SUMMARY**

7.1 Pressure tests and VT-2 examinations are performed in conjunction with ASME Section XI and in accordance with procedure TMM-020 "Inservice Inspection Pressure Testing". Also included within TMM-020 are the approaches to testing each Code Class system and reference to the respective Engineering Surveillance Test (EST) procedures used in the conduct of the credited pressure test. The summary of completed pressure tests is listed in the Pressure Test Summary, TAB E, of this Report.

## **8.0 IWE/IWL PROGRAM**

### **8.1 Containment Metallic Liner – 50.55a(b)(2)(ix)(A)**

#### **50.55a(b)(2)(ix)(A)(1)**

The containment liner is generally inaccessible as it is covered with insulation and sheathing panels with caulked joints. During Refueling Outage 27 (RO-27), one hundred and thirty six (136) insulation and sheathing panels were removed to access and inspect the metallic liner in conformance with approved relief requests (IWE/IWL-RR-01 and IWE/IWL-RR-02) from ASME Boiler and Pressure Vessel Code, Section XI, Subsections IWE and IWL requirements for Containment Inspection. The containment liner plate is not relied upon for the structural integrity of the containment except at the dome where it is relied upon to resist tangential shear stresses. However, the dome section of the containment is not covered by insulation and sheathing panels.

During RO-27 (2012), visual examination and measurements on the metallic liner showed pit and banded corrosion and/or bulge at some areas. At all the locations where liner bulge was observed, no active corrosion was observed behind (reverse side) the metallic liner. Coating is generally applied to protect the metallic liner from corrosion but the coatings were observed to be less effective at locations where severe corrosion was found. Degradation of the coatings is partly due to non-conformance of the insulation/sheathing panel to its original design specification which inferred a system completely impervious to moisture. Presence of moisture behind the insulation system and long-term leaching of chloride ion from the insulation system are considered to have contributed to degradation of the protective coatings and subsequent corrosion of the metallic liner.

#### **50.55a(b)(2)(ix)(A)(2)**

Given the magnitude of the containment internal surface area which exceeds 57,000 ft<sup>2</sup> with more than 2,200 insulation and sheathing panels covering the liner plate, it is impractical to conduct an immediate inspection of the entire containment metallic liner. A total of 136 insulation and sheathing panels were removed during RO-27 to provide accessibility for metallic liner examination. The panels removed were randomly selected, representative, and are located between elevations 228ft (the lowest row of the insulation and sheathing panels) and 308ft.

During RO-27 liner plate inspection activities (removal of degraded coatings and corrosion products using pneumatic needle guns), the liner plate was observed to

deform (bulge). The effects of the bulge, potential failure of the anchor stud(s) used to connect the liner plate to the cylindrical concrete wall, and potential tear in the liner plate during failure of anchor stud; are evaluated in calculation RNP-C/STRU-1320, "Effects of Liner Bulge Combined with Corrosion on the Integrity of the CV Steel Liner". The analysis which also considered the interactive effects of corrosion combined with bulge showed that there is no adverse effect on the ability of the liner plate to perform its safety-related function of serving as a leak tight membrane. The liner is considered fully operable. All areas of the metallic liner where corrosion was observed have been refurbished and re-install to conform to original design requirements.

The severity of corrosion recorded during RO-27 is similar to the level observed during RFO-26 and previously evaluated corrosion found during RO inspections dating back to 1993. Engineering Change (EC72699, "Evaluation of Containment Building Liner, Insulation, Sheathing, and Coatings") which estimated future corrosion rate based on measured cumulative and historical data indicates that the metallic liner corrosion is at a relatively steady state. The largest magnitude of liner bulge observed during RFO-26 is below the extent observed dating back to 1976.

#### **50.55a (b)(2)(ix)(A)(3)**

The original design specification (CPL-R2-M-18, "Heat Insulation for Reactor Containment Steel Liner") for the CV liner insulation system which inferred a perfect impervious system throughout the service life of the plant is not maintainable. The assumption that the caulking joint will retain its elastic properties and will continue to bond the sheathing panels through multiple operating heat-up and cool-down cycles is non-conservative and impractical. The original design specification has been revised to indicate that the insulation system only serve the function of moisture resistant that is maintainable to the extent required to assure that the containment liner continue to perform its safety-related function of leak tight membrane under normal and design accidental conditions.

An engineering analysis is currently being performed to evaluate the structural and functional adequacy of the containment metallic liner without the insulation and sheathing panels. The result of the study will enhance the accessibility of the metallic liner and its long-term performance if it is proven that the metallic liner is capable of performing its safety-related function without the insulation and sheathing panels.

A Preventative Maintenance (PM) program has been established. The PM is used to proactively remove insulation and sheathing panels; inspect the insulation system (coatings, insulation and sheathing panels, and caulking); refurbish and re-install system to original design specification; and continuously monitoring the containment liner to assure that it is maintained to the design specification.

## **9.0 REPAIR AND REPLACEMENT PROGRAM**

- 9.1 The H. B. Robinson Nuclear Station Repair and Replacement Program reporting period for the Fourth Ten-Year Interval is from the close of RO-26 (7/19/2010) to the close of RO-27 (3/18/2012). Repair/replacement activities that occurred during this time frame underwent extensive review by the station personnel involved and the Authorized Nuclear Inservice Inspector (ANII). Work Order package information included within this summary report are those items which have completed all the required reviews, final engineering approval, and the required ANI/ANII NIS-2 certification prior to the close of the reporting period as specified in ASME Section XI, IWA-6230(b). The repair/replacement summaries are listed in the Repair/Replacement Summary, TAB G, of this Report.
- 9.2 Work Order evolutions performed during RO-27 whose document review, approval and certification process was not finalized by the established closing date shall be reported by amendment to the original Refueling Outage Twenty Seven NIS-2 Summary, at the close of the Fourth Ten Year Interval.
- 9.3 The enclosed repair and replacement summary (TAB G) and the attached ASME Section XI, NIS-2 forms (Attachment I) detail the component, system, Work Order document, component description and the description of the Work Order activity. Complete repair and replacement documentation for the specific component is maintained on site as a permanent record and is retrievable through the WO (Work Order) document package, which is identified on the NIS-2 form.
- 9.4 The Owners Report for Repair/Replacement Activities, Form NIS-2 is provided as an attachment to this report.

# INSERVICE INSPECTION REPORT

## REFUELING OUTAGE 27 INDEX OF EXAMINATIONS

### TAB ACTIVITY

- A RO-27 STEAM GENERATOR EDDY CURRENT SUMMARY
- B RO-27 INSERVICE EXAMINATION SUMMARY
- C RO-27 AUGMENTED EXAMINATION SUMMARY
- D PRESERVICE EXAMINATION SUMMARY
- E PRESSURE TEST SUMMARY
- F EXAMINATION PERCENTAGE SUMMARY
- G REPAIR / REPLACEMENT SUMMARY

### ATTACHMENT

REPAIR/REPLACEMENT NIS-2 FORMS

TAB

A

RO-27 STEAM

GENERATOR

EDDY

CURRENT

SUMMARY

## **ABSTRACT**

No steam generator Eddy-Current Testing was performed during refueling outage 27.

# TAB B

## RO-27

### INSERVICE EXAMINATION SUMMARY

The following tables are arranged by ASME Code Class and CPL component identification. The 100 series are ASME Class 1, and the 200 series are ASME Class 2.

Code Required Volume (CRV) and Code Required Surface (CRS) have been identified throughout the ISI Summary Tables. When an examination is limited to  $\leq 90\%$  CRV or CRS as defined in ASME Code Case N-460 and NRC Information Notice 98-42, a relief request (RR-20 future) shall be submitted within 12 months of the close of the Fourth Ten-Year Interval. Generic Code Cases that apply to all examinations are not specifically identified for each examination.



[illegible]

[illegible]

<b>Summary No.</b>	<b>Component ID</b>	<b>Component Description</b>	<b>ASME Item</b>	<b>Procedure</b>	<b>Method/Report/Results</b>	<b>System</b>	<b>Dwg/ISO</b>	<b>Exam Date</b>
34800 <b>Comments:</b>	106/17	REGEN HX TO NOZZLE	B3.150	NDEP-0613	VT / VT-12-020 / Sat	2005	HBR2-10618 SH00009	2/16/2012
A visual examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda and relief request RR-02 with satisfactory results.								
34900 <b>Comments:</b>	106/17IR	REGEN HX NOZZLE INNER RADIUS	B3.160	NDEP-0613	VT / VT-12-021 / Sat	2005	HBR2-10618 SH00009	2/16/2012
A visual examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda and relief request RR-02 with satisfactory results.								
35000 <b>Comments:</b>	106/18	REGEN HX TO NOZZLE	B3.150	NDEP-0613	VT / VT-12-022 / Sat	2005	HBR2-10618 SH00009	2/16/2012
A visual examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda and relief request RR-02 with satisfactory results.								
35100 <b>Comments:</b>	106/18IR	REGEN HX NOZZLE INNER RADIUS	B3.160	NDEP-0613	VT / VT-12-023 / Sat	2005	HBR2-10618 SH00009	2/16/2012
A visual examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda and relief request RR-02 with satisfactory results.								

Summary No.	Component ID	Component Description	ASME Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
Class 1 Category B-F								
35200	107/01DM	HOT LEG NOZZLE TO SAFE END	B5.10	54-9171719	UT / VE-12-077 / Sat	1005	HBR2-10618 SH00010	2/25/2012
				54-9171720	UT / VE-12-078 / Sat	1005	HBR2-10618 SH00010	2/25/2012
				54-9171878	ET / VE-12-101 / Sat	1005	HBR2-10618 SH00010	2/25/2012
				<b>Comments:</b> A volumetric and ID surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda for successive examinations. Indications identified on the previous examination (MRP-139) performed in 2008 (RO-25) have remained essentially unchanged.				
37000	107A/01DM	HOT LEG NOZZLE TO SAFE END	B5.10	54-9171719	UT / VE-12-083 / Sat	1005	HBR2-10618 SH00011	2/25/2012
				54-9171720	UT / VE-12-084 / Sat	1005	HBR2-10618 SH00011	2/25/2012
				54-9171878	ET / VE-12-103 / Sat	1005	HBR2-10618 SH00011	2/25/2012
				<b>Comments:</b> A volumetric and ID surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda for successive examinations. Indications identified on the previous examination (MRP-139) performed in 2008 (RO-25) have remained essentially unchanged.				
38700	107A/14DM	COLD LEG SAFE END TO NOZZLE	B5.10	54-9171719	UT / VE-12-089 / Sat	1005	HBR2-10618 SH00011	2/25/2012
				54-9171720	UT / VE-12-090 / Sat	1005	HBR2-10618 SH00011	2/25/2012
				54-9171878	ET / VE-12-105 / Sat	1005	HBR2-10618 SH00011	2/25/2012
				<b>Comments:</b> A volumetric and ID surface examination was performed on the component weld indications to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda for successive examinations. Indications identified on the previous examination (MRP-139) performed in 2008 (RO-25) have remained essentially unchanged.				
38800	107B/01DM	HOT LEG NOZZLE TO SAFE END	B5.10	54-9171719	UT / VE-12-095 / Sat	1005	HBR2-10618 SH00012	2/25/2012
				54-9171720	UT / VE-12-096 / Sat	1005	HBR2-10618 SH00012	2/25/2012
				54-9171878	ET / VE-12-106 / Sat	1005	HBR2-10618 SH00012	2/25/2012
				<b>Comments:</b> A volumetric and ID surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda for successive examinations. Indications identified on the previous examination (MRP-139) performed in 2008 (RO-25) have remained essentially unchanged.				
39300	107B/04DM	"C" HOT LEG ELBOW TO S/G	B5.70	NDEP-0201	PT / PT-12-001 / Sat	2005	HBR2-10618 SH00012	2/7/2012
				NDEP-0449	UT / UT-12-006 (Page 1) / Sat	2005	HBR2-10618 SH00012	2/13/2012
				NDEP-0449	UT / UT-12-006 (Page 2) / Sat	2005	HBR2-10618 SH00012	2/13/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
39400	107B/05DM	"C" S/G NOZZLE TO ELBOW	B5.70	NDEP-0201	PT / PT-12-002 / Sat	2005	HBR2-10618 SH00012	2/7/2012
				NDEP-0449	UT / UT-12-007 (Page 1) / Sat	2005	HBR2-10618 SH00012	2/13/2012
				NDEP-0449	UT / UT-12-007 (Page 2) / Sat	2005	HBR2-10618 SH00012	2/13/2012
				NDEP-0449	UT / UT-12-007 (Page 3) / Sat	2005	HBR2-10618 SH00012	2/13/2012
				<b>Comments:</b> A volumetric and surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				

[illegible]

[illegible]

[illegible]

[illegible]



Summary No.	Component ID	Component Description	ASME Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
120000 <b>Comments:</b>	134/16C	TEE TO REDUCING INSERT	B9.40	NDEP-0201	PT / PT-12-061 / Sat	2060	HBR2-10618 SH00046	1/31/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
120100 <b>Comments:</b>	134/17	PIPE TO COUPLING	B9.40	NDEP-0201	PT / PT-12-062 / Sat	2060	HBR2-10618 SH00046	1/31/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
120200 <b>Comments:</b>	134/18	COUPLING TO PIPE	B9.40	NDEP-0201	PT / PT-12-063 / Sat	2060	HBR2-10618 SH00046	1/31/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
120500 <b>Comments:</b>	134/19	PIPE TO ELBOW	B9.40	NDEP-0201	PT / PT-12-064 / Sat	2060	HBR2-10618 SH00046	1/31/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
120600 <b>Comments:</b>	134/20	ELBOW TO PIPE	B9.40	NDEP-0201	PT / PT-12-065 / Sat	2060	HBR2-10618 SH00046	1/31/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
120700 <b>Comments:</b>	134/21	PIPE TO ELBOW	B9.40	NDEP-0201	PT / PT-12-066 / Sat	2060	HBR2-10618 SH00046	1/31/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
124400 <b>Comments:</b>	138/01	BRANCH CONNECTION TO	B9.40	NDEP-0201	PT / PT-12-067 / Sat	2005	HBR2-10618 SH00050	2/9/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
124500 <b>Comments:</b>	138/01BC	PIPE TO BRANCH CONNECTION	B9.32	NDEP-0201	PT / PT-12-068 / Sat	2005	HBR2-10618 SH00050	2/9/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
125550 <b>Comments:</b>	141/32	COUPLING TO PIPE	B9.40	NDEP-0201	PT / PT-12-071 / Sat	2080	HBR2-10618 SH00053	2/9/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								

Summary No.	Component ID	Component Description	ASME Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
126400	141/13	PIPE TO ELBOW	B9.40	NDEP-0201	PT / PT-12-069 / Sat	2080	HBR2-10618 SH00053	2/9/2012
<b>Comments:</b>	A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							
126500	141/14	ELBOW TO PIPE	B9.40	NDEP-0201	PT / PT-12-070 / Sat	2080	HBR2-10618 SH00053	2/9/2012
<b>Comments:</b>	A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							
132300	142/10	ELBOW TO PIPE	B9.40	NDEP-0201	PT / PT-12-073 / Sat	2080	HBR2-10618 SH00054	2/9/2012
<b>Comments:</b>	A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							
132400	142/11	PIPE TO ELBOW	B9.40	NDEP-0201	PT / PT-12-074 / Sat	2080	HBR2-10618 SH00054	2/9/2012
<b>Comments:</b>	A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							
132500	142/12	ELBOW TO PIPE	B9.40	NDEP-0201	PT / PT-12-075 / Sat	2080	HBR2-10618 SH00054	2/9/2012
<b>Comments:</b>	A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							
139800	143/36C	ELBOW TO PIPE	B9.40	NDEP-0201	PT / PT-12-076 / Sat	2060	HBR2-10618 SH00055	2/17/2012
<b>Comments:</b>	A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							
139900	143/37	PIPE TO ELBOW	B9.40	NDEP-0201	PT / PT-12-077 / Sat	2060	HBR2-10618 SH00055	2/17/2012
<b>Comments:</b>	A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							
140000	143/37A	ELBOW TO PIPE	B9.40	NDEP-0201	PT / PT-12-078 / Sat	2060	HBR2-10618 SH00055	2/17/2012
<b>Comments:</b>	A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							
39600	107B/06	ELBOW TO PIPE	B9.11	NDEP-0201	PT / PT-12-003 / Sat	2005	HBR2-10618 SH00012	2/13/2012
				NDEP-0425	UT / UT-12-008 (Page 1) / Sat	2005	HBR2-10618 SH00012	2/13/2012
				NDEP-0425	UT / UT-12-008 (Page 2) / Sat	2005	HBR2-10618 SH00012	2/13/2012
				NDEP-0425	UT / UT-12-008 (Page 3) / Sat	2005	HBR2-10618 SH00012	2/13/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
40100	107B/11	RCP PUMP C TO PIPE	B9.11	NDEP-0201	PT / PT-12-004 / Sat	2005	HBR2-10618 SH00012	2/15/2012
				NDEP-0425	UT / UT-12-009 (Page 1) / Sat	2005	HBR2-10618 SH00012	2/15/2012
				NDEP-0425	UT / UT-12-009 (Page 2) / Sat	2005	HBR2-10618 SH00012	2/15/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
40600	108/01BC	PIPE TO BRANCH CONNECTION	B9.31	NDEP-0201	PT / PT-12-006 / Sat	2005	HBR2-10618 SH00013	2/10/2012
				NDEP-0425	UT / UT-12-010 (Page 1) / Sat	2005	HBR2-10618 SH00013	2/10/2012
				NDEP-0425	UT / UT-12-010 (Page 2) / Sat	2005	HBR2-10618 SH00013	2/10/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results. This examination was limited in volume to 50% CRV due to part geometry of branch connection welded to loop pipe. This weld will be included in the end of interval relief request (RR-20) for limited examinations.				

Summary No.	Component ID	Component Description	ASME Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
40700	108/01A	BRANCH CONNECTION TO PIPE	B9.11	NDEP-0201	PT / PT-12-005 / Sat	2005	HBR2-10618 SH00013	2/10/2012
				NDEP-0425	UT / UT-12-012 (Page 1) / Sat	2005	HBR2-10618 SH00013	2/10/2012
				NDEP-0425	UT / UT-12-012 (Page 2) / Sat	2005	HBR2-10618 SH00013	2/10/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results. This examination was limited in volume to 75% CRV due to part geometry of branch connection welded to pipe. This weld will be included in the end of interval relief request (RR-20) for limited examinations.				
44800	110/10	ELBOW TO PIPE	B9.11	NDEP-0201	PT / PT-12-007 / Sat	2080	HBR2-10618 SH00015	2/20/2012
				NDEP-0425	UT / UT-12-011 (Page 1) / Sat	2080	HBR2-10618 SH00015	2/20/2012
				NDEP-0425	UT / UT-12-011 (Page 2) / Sat	2080	HBR2-10618 SH00015	2/20/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
44900	110/10A	PIPE TO PIPE	B9.11	NDEP-0201	PT / PT-12-008 / Sat	2080	HBR2-10618 SH00015	2/20/2012
				NDEP-0425	UT / UT-12-013 (Page 1) / Sat	2080	HBR2-10618 SH00015	2/20/2012
				NDEP-0425	UT / UT-12-013 (Page 2) / Sat	2080	HBR2-10618 SH00015	2/20/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
49600	112/01BC	PIPE TO BRANCH CONNECTION	B9.31	NDEP-0201	PT / PT-12-009 / Sat	2005	HBR2-10618 SH00017	2/15/2012
				NDEP-0425	UT / UT-12-014 (Page 1) / Sat	2005	HBR2-10618 SH00017	2/15/2012
				NDEP-0425	UT / UT-12-014 (Page 2) / Sat	2005	HBR2-10618 SH00017	2/15/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results. This examination was limited in volume to 50% CRV due to part geometry of pipe to branch connection. This weld will be included in the end of interval relief request (RR-20) for limited				
49800	112/04	PIPE TO VALVE SI-875C WELD	B9.11	NDEP-0201	PT / PT-12-010 / Sat	2005	HBR2-10618 SH00017	2/16/2012
				NDEP-0425	UT / UT-12-015 (Page 1) / Sat	2005	HBR2-10618 SH00017	2/16/2012
				NDEP-0425	UT / UT-12-015 (Page 2) / Sat	2005	HBR2-10618 SH00017	2/16/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				

Summary No.	Component ID	Component Description	ASME Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
50500	112/10	PIPE TO ELBOW	B9.11	NDEP-0201	PT / PT-12-011 / Sat	2080	HBR2-10618 SH00017	2/14/2012
				NDEP-0425	UT / UT-12-016 (Page 1) / Sat	2080	HBR2-10618 SH00017	2/14/2012
				NDEP-0425	UT / UT-12-016 (Page 2) / Sat	2080	HBR2-10618 SH00017	2/14/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
50600	112/11	ELBOW TO ELBOW	B9.11	NDEP-0201	PT / PT-12-012 / Sat	2080	HBR2-10618 SH00017	2/14/2012
				NDEP-0425	UT / UT-12-017 (Page 1) / Sat	2080	HBR2-10618 SH00017	2/14/2012
				NDEP-0425	UT / UT-12-017 (Page 2) / Sat	2080	HBR2-10618 SH00017	2/14/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
50800	112/13A	PIPE TO PIPE	B9.11	NDEP-0201	PT / PT-12-013 / Sat	2080	HBR2-10618 SH00017	2/22/2012
				NDEP-0425	UT / UT-12-018 (Page 1) / Sat	2080	HBR2-10618 SH00017	2/22/2012
				NDEP-0425	UT / UT-12-018 (Page 2) / Sat	2080	HBR2-10618 SH00017	2/22/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
51300	112/19	ELBOW TO TEE	B9.11	NDEP-0201	PT / PT-12-014 / Sat	2080	HBR2-10618 SH00017	2/14/2012
				NDEP-0425	UT / UT-12-019 (Page 1) / Sat	2080	HBR2-10618 SH00017	2/14/2012
				NDEP-0425	UT / UT-12-019 (Page 2) / Sat	2080	HBR2-10618 SH00017	2/14/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
52800	113/01	REDUCER TO VALVE SI-876A	B9.11	NDEP-0201	PT / PT-12-016 / Sat	2080	HBR2-10618 SH00018	2/21/2012
				NDEP-0425	UT / UT-12-065 (Page 1) / Sat	2080	HBR2-10618 SH00018	2/21/2012
				NDEP-0425	UT / UT-12-065 (Page 2) / Sat	2080	HBR2-10618 SH00018	2/21/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
55600	116/03	ELBOW TO ELBOW	B9.11	NDEP-0201	PT / PT-12-017 / Sat	2005	HBR2-10618 SH00021	2/15/2012
				NDEP-0425	UT / UT-12-020 (Page 1) / Sat	2005	HBR2-10618 SH00021	2/15/2012
				NDEP-0425	UT / UT-12-020 (Page 2) / Sat	2005	HBR2-10618 SH00021	2/15/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
55900	116/06	PIPE TO ELBOW	B9.11	NDEP-0201	PT / PT-12-018 / Sat	2005	HBR2-10618 SH00021	2/16/2012
				NDEP-0425	UT / UT-12-021 (Page 1) / Sat	2005	HBR2-10618 SH00021	2/16/2012
				NDEP-0425	UT / UT-12-021 (Page 2) / Sat	2005	HBR2-10618 SH00021	2/16/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
56000	116/07	ELBOW TO PIPE	B9.11	NDEP-0201	PT / PT-12-019 / Sat	2005	HBR2-10618 SH00021	2/16/2012
				NDEP-0425	UT / UT-12-022 (Page 1) / Sat	2005	HBR2-10618 SH00021	2/16/2012
				NDEP-0425	UT / UT-12-022 (Page 2) / Sat	2005	HBR2-10618 SH00021	2/16/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				

Summary No.	Component ID	Component Description	ASME Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
56300	116/10	ELBOW TO PIPE	B9.11	NDEP-0201	PT / PT-12-020 / Sat	2005	HBR2-10618 SH00021	2/21/2012
				NDEP-0425	UT / UT-12-023 (Page 1) / Sat	2005	HBR2-10618 SH00021	2/21/2012
				NDEP-0425	UT / UT-12-023 (Page 2) / Sat	2005	HBR2-10618 SH00021	2/21/2012
				NDEP-0425	UT / UT-12-023 (Page 3) / Sat	2005	HBR2-10618 SH00021	2/21/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
57100	116/141	PIPE TO ELBOW	B9.11	NDEP-0201	PT / PT-12-021 / Sat	2005	HBR2-10618 SH00021	2/21/2012
				NDEP-0425	UT / UT-12-024 (Page 1) / Sat	2005	HBR2-10618 SH00021	2/21/2012
				NDEP-0425	UT / UT-12-024 (Page 2) / Sat	2005	HBR2-10618 SH00021	2/21/2012
				NDEP-0425	UT / UT-12-024 (Page 3) / Sat	2005	HBR2-10618 SH00021	2/21/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
62600	116B/13	PIPE TO ELBOW	B9.11	NDEP-0201	PT / PT-12-022 / Sat	2005	HBR2-10618 SH00023	2/1/2012
				NDEP-0425	UT / UT-12-025 (Page 1) / Sat	2005	HBR2-10618 SH00023	2/3/2012
				NDEP-0425	UT / UT-12-025 (Page 2) / Sat	2005	HBR2-10618 SH00023	2/3/2012
				NDEP-0425	UT / UT-12-025 (Page 3) / Sat	2005	HBR2-10618 SH00023	2/3/2012
				NDEP-0425	UT / UT-12-025 (Page 4) / Sat	2005	HBR2-10618 SH00023	2/3/2012
63100	116B/161	PIPE TO PIPE	B9.11	NDEP-0201	PT / PT-12-023 / Sat	2005	HBR2-10618 SH00023	2/10/2012
				NDEP-0425	UT / UT-12-026 / Sat	2005	HBR2-10618 SH00023	2/10/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
64900	117A/10A	REDUCER TO VALVE PCV-456	B9.40	NDEP-0201	PT / PT-12-025 / Sat	2005	HBR2-10618 SH00025	2/1/2012
				<b>Comments:</b> A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				
66300	118/04	ELBOW TO PIPE	B9.11	NDEP-0201	PT / PT-12-027 / Sat	2005	HBR2-10618 SH00026	2/1/2012
				NDEP-0425	UT / UT-12-027 (Page 1) / Sat	2005	HBR2-10618 SH00026	2/3/2012
				NDEP-0425	UT / UT-12-027 (Page 2) / Sat	2005	HBR2-10618 SH00026	2/3/2012
				NDEP-0425	UT / UT-12-027 (Page 3) / Sat	2005	HBR2-10618 SH00026	2/3/2012
				<b>Comments:</b> A surface and volumetric examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.				

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Summary No.	Component ID	Component Description	ASME Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
Class 1			Category B-L-1					
162000	144A/C-EXT	RCP C EXTERNAL CASING	B12.10	NDEP-0611	VT / VT-12-053 / Sat	2005	HBR2-10618 SH00057	2/13/2012
Comments:	A visual examination was performed on the pump bowl exterior welds to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							

<b>Summary No.</b>	<b>Component ID</b>	<b>Component Description</b>	<b>ASME Item</b>	<b>Procedure</b>	<b>Method/Report/Results</b>	<b>System</b>	<b>Dwg/ISO</b>	<b>Exam Date</b>
<b>Class 1 Category B-M-2</b>								
52700	112/SI-875F(I)	VALVE SI-875F BODY INTERIOR	B12.50(C)	NDEP-0613	VT / VE-12-115 / Sat	2080	HBR2-10618 SH00017	2/20/2012
Comments:	A visual examination was performed on the component valve interior to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							

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Summary No.	Component ID	Component Description	ASME Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
<b>Class 2      Category C-C</b>								
326200	247/SI-6-77-ATT	INTEGRAL ATTACHMENT	C3.20	NDEP-0201	PT / PT-12-118 / Sat	2080	HBR2-10618 SH00113	2/20/2012
<b>Comments:</b>	A surface examination was performed on the component welded attachment to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							
326700	247/SI-6-53-ATT	INTEGRAL ATTACHMENT	C3.20	NDEP-0201	PT / PT-12-119 / Sat	2080	HBR2-10618 SH00113	2/13/2012
<b>Comments:</b>	A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							

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<b>Summary No.</b>	<b>Component ID</b>	<b>Component Description</b>	<b>ASME Item</b>	<b>Procedure</b>	<b>Method/Report/Results</b>	<b>System</b>	<b>Dwg/ISO</b>	<b>Exam Date</b>
329700 <b>Comments:</b>	247/25	TEE TO PIPE	C5.30	NDEP-0201	PT / PT-12-111 / Sat	2080	HBR2-10618 SH00113	2/12/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
329800 <b>Comments:</b>	247/26	PIPE TO COUPLING	C5.30	NDEP-0201	PT / PT-12-112 / Sat	2080	HBR2-10618 SH00113	2/12/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
329900 <b>Comments:</b>	247/27	COUPLING TO PIPE	C5.30	NDEP-0201	PT / PT-12-113 / Sat	2080	HBR2-10618 SH00113	2/12/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
330000 <b>Comments:</b>	247/28	PIPE TO ELBOW	C5.30	NDEP-0201	PT / PT-12-114 / Sat	2080	HBR2-10618 SH00113	2/12/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
330100 <b>Comments:</b>	247/29	ELBOW TO PIPE	C5.30	NDEP-0201	PT / PT-12-115 / Sat	2080	HBR2-10618 SH00113	2/12/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
330200 <b>Comments:</b>	247/30	PIPE TO ELBOW	C5.30	NDEP-0201	PT / PT-12-116 / Sat	2080	HBR2-10618 SH00113	2/12/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
330300 <b>Comments:</b>	247/31	ELBOW TO PIPE	C5.30	NDEP-0201	PT / PT-12-117 / Sat	2080	HBR2-10618 SH00113	2/12/2012
A surface examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								

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<b>Summary No.</b>	<b>Component ID</b>	<b>Component Description</b>	<b>ASME Item</b>	<b>Procedure</b>	<b>Method/Report/Results</b>	<b>System</b>	<b>Dwg/ISO</b>	<b>Exam Date</b>
<b>Class 2      Category F-A</b>								
169200	205A/05(S)	SNUBBER 5	F1.40	NDEP-0613	VT / VT-12-054 / Sat	3005	HBR2-10618 SH00062	1/29/2012
<b>Comments:</b>	A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							
169400	205A/06(S)	SNUBBER 6	F1.40	NDEP-0613	VT / VT-12-055 / Sat	3005	HBR2-10618 SH00062	1/29/2012
<b>Comments:</b>	A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							
169600	205A/07(S)	SNUBBER 7	F1.40	NDEP-0613	VT / VT-12-056 / Sat	3005	HBR2-10618 SH00062	1/29/2012
<b>Comments:</b>	A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							
169900	205A/08(S)	SNUBBER 8	F1.40	NDEP-0613	VT / VT-12-057 / Sat	3005	HBR2-10618 SH00062	1/29/2012
<b>Comments:</b>	A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							
170100	205A/RING	LATERAL RING B	F1.40	NDEP-0613	VT / VT-12-058 / Sat	3005	HBR2-10618 SH00062	1/29/2012
<b>Comments:</b>	A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.							
171600	206/A	U-BOLT RESTRAINT	F1.40	NDEP-0613	VT / VT-12-059 / Sat	2060	HBR2-10618 SH00064	2/16/2012
<b>Comments:</b>	A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda and relief request RR-02 with satisfactory results.							
171700	206/B	SADDLE SUPPORT	F1.40	NDEP-0613	VT / VT-12-060 / Sat	2060	HBR2-10618 SH00064	2/16/2012
<b>Comments:</b>	A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda and relief request RR-02 with satisfactory results.							
171800	206/C	U-BOLT RESTRAINT	F1.40	NDEP-0613	VT / VT-12-061 / Sat	2060	HBR2-10618 SH00064	2/16/2012
<b>Comments:</b>	A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda and relief request RR-02 with satisfactory results.							
171900	206/D	SADDLE SUPPORT	F1.40	NDEP-0613	VT / VT-12-062 / Sat	2060	HBR2-10618 SH00064	2/16/2012
<b>Comments:</b>	A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda and relief request RR-02 with satisfactory results.							
172000	206/E	U-BOLT RESTRAINT	F1.40	NDEP-0613	VT / VT-12-063 / Sat	2060	HBR2-10618 SH00064	2/16/2012
<b>Comments:</b>	A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda and relief request RR-02 with satisfactory results.							
172100	206/F	SADDLE SUPPORT	F1.40	NDEP-0613	VT / VT-12-064 / Sat	2060	HBR2-10618 SH00064	2/16/2012
<b>Comments:</b>	A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda and relief request RR-02 with satisfactory results.							



<b>Summary No.</b>	<b>Component ID</b>	<b>Component Description</b>	<b>ASME Item</b>	<b>Procedure</b>	<b>Method/Report/Results</b>	<b>System</b>	<b>Dwg/ISO</b>	<b>Exam Date</b>
201100 <b>Comments:</b>	217/FW-5C-6073	WELDED SPRING SUPPORT	F1.20C	NDEP-0613	VT / VT-12-065 / Sat	3050	HBR2-10618 SH00076	2/8/2012
A visual examination was performed on this component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
280500 <b>Comments:</b>	234A/SI-10-6006	WELDED U-BOLT RESTRAINT	F1.20B	NDEP-0613	VT / VT-12-066 / Sat	2080C	HBR2-10618 SH00098	1/26/2012
A visual examination was performed on this component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
333500 <b>Comments:</b>	247/SI-6-6009	ANGLE IRON SUPPORT	F1.20A	NDEP-0613	VT / VT-12-067 / Sat	2080	HBR2-10618 SH00113	2/13/2012
A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
353200 <b>Comments:</b>	251/SW-4-25/5	WELDED BOX RESTRAINT	F1.20B	NDEP-0613	VT / VT-12-068 / Sat	4060	HBR2-10618 SH00206	2/20/2012
A visual examination was performed on the component weld to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
354700 <b>Comments:</b>	252/SW-4-1059	I-BEAM SUPPORT	F1.20A	NDEP-0613	VT / VT-12-069 / Sat	4060	HBR2-10618 SH00207	2/3/2012
A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
355800 <b>Comments:</b>	253/SW-4-24/5	GANG BOX RESTRAINT	F1.20B	NDEP-0613	VT / VT-12-070 / Sat	4060	HBR2-10618 SH00208	2/20/2012
A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
356400 <b>Comments:</b>	253/SW-4-H25	I-BEAM SUPPORT	F1.20A	NDEP-0613	VT / VT-12-071 / Sat	4060	HBR2-10618 SH00208	2/20/2012
A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
357500 <b>Comments:</b>	254/SW-4-22/5	WELDED BOX RESTRAINT	F1.20B	NDEP-0613	VT / VT-12-072 / Eval	4060	HBR2-10618 SH00209	2/3/2012
A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with unsatisfactory results. AR 514829 was initiated for thread engagement less than flush and was evaluated as acceptable as is, no further action required. <b>Evaluation Disposition Acceptable:</b> Per AR 514829, It is acceptable for the lower-left anchor nut on SW-4-22/5 to be one thread short of full engagement. As evaluated in EC 84908 the fastener meets original design requirements in the as-found condition, there is no potential adverse impact on SW-4-22/5 or any surrounding components.								
357600 <b>Comments:</b>	254/SW-4-1061	I-BEAM SUPPORT	F1.20A	NDEP-0613	VT / VT-12-073 / Sat	4060	HBR2-10618 SH00209	2/3/2012
A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								

Summary No.	Component ID	Component Description	ASME Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
358900 <b>Comments:</b>	255/SW-4-38/5	WELDED BOX RESTRAINT	F1.20B	NDEP-0613	VT / VT-12-074 / Sat	4060	HBR2-10618 SH00210	2/21/2012
A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
359300 <b>Comments:</b>	255/SW-4-H28	I-BEAM SUPPORT	F1.20A	NDEP-0613	VT / VT-12-075 / Sat	4060	HBR2-10618 SH00210	2/21/2012
A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
360400 <b>Comments:</b>	256/SW-4-H42	I-BEAM SUPPORT	F1.20A	NDEP-0613	VT / VT-12-076 / Sat	4060	HBR2-10618 SH00211	2/3/2012
A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
361200 <b>Comments:</b>	257/SW-4-40/5	GANG BOX RESTRAINT	F1.20B	NDEP-0613	VT / VT-12-077 / Sat	4060	HBR2-10618 SH00212	2/20/2012
A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
362500 <b>Comments:</b>	258/SW-4-41/5	GANG U-BOLT RESTRAINT	F1.20B	NDEP-0613	VT / VT-12-078 / Sat	4060	HBR2-10618 SH00213	2/8/2012
A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
362600 <b>Comments:</b>	258/SW-4-41/6	WELDED BOX RESTRAINT	F1.20B	NDEP-0613	VT / VT-12-079 / Eval	4060	HBR2-10618 SH00213	2/3/2012
A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with unsatisfactory results. AR 514832 was								
389600 <b>Comments:</b>	259/AC-7-6001	ROD HANGER	F1.20A	NDEP-0613	VT / VT-12-081 / Sat	4080	HBR2-10618 SH00214	1/27/2012
A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								
389700 <b>Comments:</b>	259/AC-7-3	U-BOLT RESTRAINT	F1.20B	NDEP-0613	VT / VT-12-080 / Sat	4080	HBR2-10618 SH00214	1/27/2012
A visual examination was performed on the component support to the requirements of ASME Section XI, 1995 Edition, 1996 Addenda with satisfactory results.								



TAB

C

AUGMENTED  
EXAMINATION  
SUMMARY

[illegible]

TAB

D

PRESERVICE  
EXAMINATION  
SUMMARY

There were no preservice examinations required as a result of the work performed in RO-27

TAB  
E  
PRESSURE  
TEST  
SUMMARY



The table below lists the completed pressure tests performed from the close date of the previous NIS-1 report (7/19/2010) through the close of refueling outage 27 (3/18/2012) of the Fourth Ten Year Interval. The pressure tests associated with the third period are complete for HB Robinson.

SYSTEM	DESCRIPTION	COMPLETION DATE	PROCEDURE	RESULTS
FW	ISI PRESSURE TESTING OF THE FEEDWATER SYSTEM (EACH ISI PROGRAM INSPECTION PERIOD)	11/14/2011	EST-077	SAT
SI	INSERVICE INSPECTION PRESSURE TESTING OF SAFETY INJECTION PUMP DISCHARGE PIPING (EACH ISI PROGRAM INSPECTION PERIOD)**	1/12/2012	EST-078	SAT
CV SPRAY	INSERVICE INSPECTION PRESSURE TESTING OF CONTAINMENT SPRAY SYSTEM (EACH ISI PROGRAM INSPECTION PERIOD)	1/27/2011	EST-079	SAT
RHR	INSERVICE INSPECTION PRESSURE TESTING OF RHR SYSTEM (EACH ISI PROGRAM INSPECTION PERIOD)	2/12/2012	EST-080	SAT
AFW	INSERVICE INSPECTION PRESSURE TESTING OF AUXILIARY FEEDWATER SYSTEM (EACH ISI PROGRAM INSPECTION PERIOD)**	11/16/2011	EST-082	SAT
RCS	INSERVICE INSPECTION PRESSURE RETAINING VT-2 BOLTING EXAMINATION OF THE REACTOR COOLANT SYSTEM (REFUELING SHUTDOWN INTERVAL)	2/12/2012	*EST-083-1	SAT
RCS	INSERVICE INSPECTION PRESSURE TESTING OF THE REACTOR COOLANT SYSTEM (REFUELING SHUTDOWN INTERVAL)	3/18/2012	*EST-083-2	SAT
SFPC	INSERVICE INSPECTION PRESSURE TESTING OF SPENT FUEL PIT COOLING SYSTEM (EACH ISI PROGRAM INSPECTION PERIOD)	4/19/2011	EST-084	SAT
CCW	INSERVICE INSPECTION PRESSURE TESTING OF COMPONENT COOLING WATER SYSTEM INSIDE THE AUXILIARY BUILDING (EACH ISI PROGRAM INSPECTION PERIOD)	10/13/2011	EST-088	SAT
SI	INSERVICE INSPECTION PRESSURE TESTING OF SAFETY INJECTION SYSTEM INSIDE CONTAINMENT (EACH ISI PROGRAM INSPECTION PERIOD)	3/18/2012	*EST-090	SAT
SI, CV SPRAY	INSERVICE INSPECTION PRESSURE TESTING OF SAFETY INJECTION SYSTEM AND CONTAINMENT SPRAY PUMP SUCTION PIPING (EACH ISI PROGRAM INSPECTION PERIOD)	2/15/2011	EST-091	SAT
CV SPRAY	INSERVICE INSPECTION PRESSURE TESTING OF THE SPRAY ADDITIVE TANK AND ASSOCIATED PIPING (EACH ISI PROGRAM INSPECTION PERIOD)	3/9/2012	EST-092	SAT

SYSTEM	DESCRIPTION	COMPLETION DATE	PROCEDURE	RESULTS
CVCS	INSERVICE INSPECTION PRESSURE TESTING OF THE CHEMICAL AND VOLUME CONTROL SYSTEM(EACH ISI PROGRAM INSPECTION PERIOD)	6/8/2011	EST-093	SAT
SW	INSERVICE INSPECTION PRESSURE TESTING OF THE SERVICE WATER SYSTEM(EACH ISI PROGRAM INSPECTION PERIOD)	4/24/2012	EST-094	SAT
SDAFW	INSERVICE INSPECTION PRESSURE TESTING OF STEAM SUPPLY PIPING TO THE STEAM DRIVEN AFW PUMP(EACH ISI PROGRAM INSPECTION PERIOD)	8/2/2011	EST-097	SAT
FUEL OIL	INSERVICE INSPECTION PRESSURE TESTING OF DIESEL FUEL OIL SYSTEM PIPING(EACH ISI PROGRAM INSPECTION PERIOD)	5/14/2011	EST-098	SAT
CVCS	INSERVICE INSPECTION PRESSURE TESTING OF THE CHEMICAL AND VOLUME CONTROL SYSTEM INSIDE CONTAINMENT(EACH ISI PROGRAM INSPECTION PERIOD)	3/18/2012	*EST-127	SAT
SI	INSERVICE INSPECTION PRESSURE TESTING OF THE SIS ACCUMULATORS AND ASSOCIATED CLASS 2 PIPING INSIDE CONTAINMENT(EACH ISI PROGRAM INSPECTION PERIOD)	3/18/2012	*EST-129	SAT

**\*Includes Bolting Inspection on Borated Systems (invoked Code Case N-533-1)**

**\*\* Includes Completion Dates for Partial Sections Prior to Pressure Test Package closeout. May also be listed in Previous ISI Report Interval 4, Period 3, Outage1 (RO #26) For H.B. Robinson Nuclear Station (Unit 2) 3581 W. Entrance Rd. Hartsville, SC 29550. Report Completion Date: 8/31/2010**

**No deficiencies were noted for the above Engineering Surveillance Tests and all exceptions were addressed by the normal work request process and retained as permanent records, which may be obtained through the Progress Energy Carolinas, Inc., Document Control Services.**

TAB

F

EXAMINATION  
PERCENTAGE  
SUMMARY

## CLASS 1 SUMMARY TABLE

CATEGORY	TOTAL NUMBER OF COMPONENTS	INTERVAL NUMBER REQUIRED	INTERVAL NUMBER COMPLETE	INTERVAL PERCENT COMPLETE	NUMBER SCHEDULED/COMPLETED <sup>3</sup>		
					1 <sup>ST</sup> PERIOD	2 <sup>ND</sup> PERIOD	3 <sup>RD</sup> PERIOD
B-A <sup>*,2,4</sup>	20	0	0	0%	0/0	0/0	0/0
B-B <sup>1</sup>	13	5	5	100%	1/1	2/2	2/2
B-D <sup>*,1</sup>	36	23	23	100%	3/3	4/4	16/16
B-F <sup>*,4</sup>	18	12	12	100%	4/4	8/8	0/0
B-G-1 <sup>*</sup>	347	344	344	100%	48/48	48/48	248/248
B-G-2	44	44	44	100%	17/17	12/12	15/15
B-J	721	189	189	100%	56/56	68/68	61/61
B-K	53	6	6	100%	2/2	2/2	2/2
B-L-1	9	3	3	100%	0/0	0/0	3/3
B-L-2	3	1	1	100%	0/0	0/0	1/1
B-M-2	11	3	3	100%	0/0	2/2	1/1
B-N-1	1	2	2	100%	0/0	1/1	1/1
B-N-2	1	2	2	100%	0/0	1/1	1/1
B-N-3	1	2	2	100%	0/0	1/1	1/1
B-O <sup>2</sup>	56	3	3	100%	1/1	0/0 <sup>2</sup>	2/2
B-P	1	7	7 of 7	100%	2/2	3/3	2/2
B-Q	3	TECH SPEC	N/A	N/A	N/A	N/A	N/A

\* Deferral Permissible

<sup>1</sup> Relief Request

<sup>2</sup> Reactor Head Replaced in RO-23

<sup>3</sup> Minimum counts identified, actual completion counts may be greater.

<sup>4</sup> Relief Request from 10 year to 20 year examination frequency.

## CLASS 2 SUMMARY TABLE

CATEGORY	TOTAL NUMBER OF COMPONENTS	INTERVAL NUMBER REQUIRED	INTERVAL NUMBER COMPLETE	INTERVAL PERCENT COMPLETE	# SCHEDULED/COMPLETED <sup>2</sup>		
					1 <sup>ST</sup> PERIOD	2 <sup>ND</sup> PERIOD	3 <sup>RD</sup> PERIOD
C-A	21	9	9	100%	3/3	3/3	3/3
C-B	26	11	11	100%	4/4	3/3	4/4
C-C	164	8	8	100%	3/3	4/4	3/3
C-D	1	1	1	100%	0/0	1/1	0/0
C-F-1	1114	84	84	100%	24/24 <sup>1</sup>	28/28	23/23
C-F-2	141	28	28	100%	10/10 <sup>1</sup>	10/10	10/10
C-G	4	2	2	100%	0/0	0/0	2/2
C-H	11	11 (per period)	33 of 33	100%	11/11	11/11	11/11

<sup>2</sup> Minimum counts identified, actual completion counts may be greater.

### CLASS 1, 2, & 3 SUPPORT SUMMARY TABLE

CATEGORY	TOTAL NUMBER OF COMPONENTS	INTERVAL NUMBER REQUIRED	INTERVAL NUMBER COMPLETE	INTERVAL PERCENT COMPLETE	# SCHEDULED/COMPLETED <sup>2</sup>		
					1 <sup>ST</sup> PERIOD	2 <sup>ND</sup> PERIOD	3 <sup>RD</sup> PERIOD
F-A F1.10	198	50	50	100%	17/17	17/17	18/18
F-A, F1.20	475	72	72	100%	23/23	24/24	25/25
F-A, F1.30	463	47	47	100%	16/16	16/16	16/16
F-A, F1.40	94 Supports on 46 components (24 Groups)	46	46	100%	16/16	16/16	16/16

TAB

G

REPAIR

AND

REPLACEMENT

WRJO	Other ID	System #	Description	Component	NIS #
951135 04	RHR-744A	2045	Installed new disc and drilled hole in disc.	Disc	10-067
1530692	CC-749A	4080	Replace disc with new disc	Valve Disc	10-068
1926898	CVC-332	2060	Replaced bonnet due to leakage.	Bonnet	11-001
1828716	2-AC-152N-105	4080	Repair weld by removing existing weld installing new weld	Weld	11-002
1775848	SW-560	4060	Replaced valve disc	Valve disc	11-003
1674158	CVC-348	2060	Replaced bonnet of valve CVC-348 due to leakage.	Bonnet	12-001
1605807	CVC-341	2060	Replaced bonnet assembly due to bonnet leakage.	Valve Bonnet	12-002
1876996	30-CW-12	4060	Install modified branch connection to SW-395	Piping - 1 1/2"	12-003
1783775	MS-262C	3020	Replaced bonnet cap screws	Cap Screw	12-004
1958279	CVC-277A	2060	Replaced valve and piping.	Valve	12-005
1699974	CVC-200B	2060	Replace valve plug	Valve Plug	12-006
2040448	SW-8	4060	Replace Valve	Valve	12-007
1898810 24	FIC-657	4080	Replace flow meter and associated piping and fittings	Flow meter	12-008
1898811 20	FIC-658	4080	Replace flow meter and associated piping and fittings	Flow meter	12-009
1930221	CVC-342	2060	Replaced valve bonnet	Bonnet & Bolting	12-010
1857357	CVC-398B	2060	Replaced nuts/studs on Bonnet to Body connection	Bonnet Bolting	12-011
1944448	CHG-PMP-B	2060	Replaced Cylinder Head extensions and associated bolting	Cylinder Head Extension	12-012
2034642	RHR-HTX-B	2045	Evaluate damaged stud thread as acceptable per EC 84878 and replace nut	Nut	12-013
1531560	CC-728A	4080	Replace valve	Globe Valve	12-014
1531562	CC-728B	4080	Replace valve	Globe Valve	12-015
1531563	CC-728C	4080	Replace valve and support	Globe Valve	12-016
1512225-04	2-FO-60B	5100	Replace valve and install new supports	Piping	12-017
1624642	SV1-4C	3020	Replace Safety Relief Valve due to steam cuts on seat	Valve	12-018
1933717	SI-PMP-B	2080	Repaired casing stud #6 by chasing threads	Casing Stud	12-019
2032676	CVC-398B	2060	Replaced Bonnet	Bonnet	12-020
1703298	CVC-200C	2060	Replace trim set which includes valve plug.	Valve Plug	12-021
1800337	FE-496	3050	Disassembled and rewelded flow element structure	Flow Element	12-022
1800338	FE-486	3050	Disassembled and rewelded flow element structure	Flow Element	12-023
1800339	FE-476	3050	Disassembled and rewelded flow element structure	Flow Element	12-024



WRJO	OtherID1	System #	Description	Component	NIS2 #
1789189	SI-875P	2080	Replaced valve and pipe piece	Valve	12-025
1792508	RC-H3	2005	Restored hanger RC-H3 to design condition including replacement of pipe saddle	Rod Hanger	12-026
1799484	Snubber #19	3005	Replaced snubber # 19.	Snubber	12-027
1800244	CC-738	4060	Replace disc	Disc	12-028
2032224	CVC-455	2060	Replace Valve and associated piping	Valve	12-029
1821008	PCV-456	2005	Replace valve plug	Valve Plug	12-030
1769791	SI-864A	2080	Replaced double disc	Disc	12-031
1898810 01	FIC-629	4080	Replace flow meter and associated piping and fittings	Flow meter	12-032
1898810 10	FIC-632	4080	Replace flow meter and associated piping and fittings	Flow meter	12-033
1898810 17	FIC-635	4080	Replace flow meter and associated piping and fittings	Flow meter	12-034
1820971	CV	8010	Replaced Containment Liner insulation studs	Liner	12-035
1999484	2-AC-151R-157	7110	Upgrade RW purification system from NS to SS class 2	Support	12-036
2052922	FIC-629	4080	Replaced flow meter orifice plate due to FME cap in line	Flow meter	12-037
1967464	3-CH-8	2060	Cut piping welds and replaced tee in line 3-CH-8 to facilitate adjustment at B charging pump flange and repair PT indication on tee at W-5	Piping	12-038
1800327	RV1-1	3020	Replace Plug	Plug	12-039
1800099	Snubber-RSV-B	2005	Snubber-RSV-B, change snubber reservoir on snubber	Hydraulic Fluid Reservoir	12-040
2041966	CPL-134-A	2060	Replaced bent rod for support CPL-134-A on Line 2-CH-8A	Rod	12-041
1935953	CVC-121D	2060	Install Temporary clamp and monitor for leakage (1940207)	Clamp	12-042
1936318/1935953	4-CH-151R-47	2060	Remove temporary clamp installed per WO 1935953 for 3/4" drain line and replaced drain line and 4" section of line between flange and elbow	Temporary Clamp	12-042
2032527	SW-PMP-D	2060	Replaced SW Pump D with spare	Pump	12-043

**ATTACHMENT**

**OWNERS REPAIR /  
REPLACEMENT ACTIVITIES  
FORM NIS-2**

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 11/1/2010  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550 ESR#: 63452/64879 EE: N/A  
 Address WR/WO: 951135 04 CR: N/A  
 Repair Organization PO No.; Job No; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550 Authorization No.: N/A  
 Address Expiration Date: N/A
4. Identification of System: Class: 2 RESIDUAL HEAT REMOVAL SYSTEM 2045
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: N/A
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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 Stamp (Yes or No)
Disc	Velan	N/A	N/A	RHR-744A	1971	Removed	N
Disc	Velan	SN 7055	N/A	RHR-744A	2010	Installed	N

7. Description of Work: Installed new disc and drilled hole in disc.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
- Other ☒ Pressure [N/A] psig Test Temp. [N/A] °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 951135 turnover package

Applicable Manufacturers Data Reports to be attached

CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.	
Type Code Symbol Stamp	<u>N/A</u>
Certificate of Authorization No.	<u>N/A</u>
Signed <u>John Sande</u>	ISI ENGINEER Date <u>11/1/2010</u>
Owner or Owner's Designee, Title	

CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>North Carolina</u> and employed by <u>THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY</u> of <u>HARTFORD, CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>4/24/2008</u> to <u>11/1/2010</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
<u>[Signature]</u> Inspector's Signature	Commissions <u>NC# 1580 14781224/AN1</u> National Board, State, Province, and Endorsements
Date: <u>11/1/2010</u>	

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 6/14/2012  
Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
Address
2. Plant H.B.ROBINSON Unit: 2  
Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550 ESR#: 63452 EE: N/A  
Address WR/WO: 1530692 CR: N/A  
Repair Organization PO No.; Job No; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
Name Authorization No.: N/A  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550 Expiration Date: N/A  
Address
4. Identification of System: Class:3 COMPONENT COOLING WATER SYSTEM 4080
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
Design Specification: 676258
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve Disc	Crane	N/A	N/A	CC-749A	1971	Removed	N
Valve Disc	Crane	D6358	N/A	CC-749A	2010	Installed	N

7. Description of Work: Replace disc with new disc
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure N/A psig Test Temp. N/A °F

Remarks: See WO 1530692 turnover package.

Applicable Manufacturers Data Reports to be attached

CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.	
Type Code Symbol Stamp	<u>N/A</u>
Certificate of Authorization No.	<u>N/A</u>
Signed <u>Jack Sandh</u>	ISI ENGINEER Date <u>6/14/2012</u>
Owner or Owner's Designee, Title	

CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>North Carolina</u> and employed by <u>THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY</u> of <u>HARTFORD, CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>10/4/2010</u> to <u>11/1/2010</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
<u>Robert L. Wynn</u> Inspector's Signature	Commissions <u>NB 12442 ANII / NC# 1580</u> National Board, State, Province, and Endorsements
Date: <u>6/14/2012</u>	

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 6/7/2011  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550 ESR#: N/A EE: N/A  
 Address WR/VO: 1926898 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name Authorization No.: N/A  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550 Expiration Date: N/A  
 Address
4. Identification of System: Class:3 CHEMICAL AND VOLUME CONTROL SYSTEM2060
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: E 676281
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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 Stamp (Yes or No)
Bonnet	ITT Engineered	N/A	N/A	CVC-332	1971	Removed	N
Bonnet	ITT	850267-001-001	N/A	CVC-332	2011	Installed	N

7. Description of Work: Replaced bonnet due to leakage.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
- Other VT-2 Pressure [NOP] psig Test Temp. [NOT] °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See 1926898 turnover package.

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed John Sank \_\_\_\_\_ IS ENGINEER \_\_\_\_\_ Date 6/7/2011 \_\_\_\_\_  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 5/10/2011 to 6/7/2011 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions NC# 1580 / NB 12442 ANI  
National Board, State, Province, and Endorsements

Date: 6/7/2011



## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 6/7/2011  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H B ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
 Address  
 ESR#: N/A EE: N/A  
 WRWO: 1828716 CR: AR 423273  
 Repair Organization PO No; Job No; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 3 COMPONENT COOLING WATER SYSTEM 4080
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: N/A
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N 416-3

## 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 Stamp (Yes or No)
Weld	Ebasco	N/A	N/A	2-AC-152N-105	1971	Removed	N
Repair Weld WMR-1	Maintenance	N/A	N/A	2-AC-152N-105	2011	Installed	N

7. Description of Work: Repair weld by removing existing weld installing new weld8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒Other VT-2 Pressure NOP psig Test Temp. NOT °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1828716 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed John Sander ISI ENGINEER Date 6/7/2011  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 11/3/2010 to 6/7/2011 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul W. [Signature]  
Inspector's Signature

Commissions NC# 1580 / NB 12442 ANI  
National Board, State, Province, and Endorsements

Date: 6/7/2011

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 6/7/2011  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
 Address  
 ESR#: N/A EE: N/A  
 WR/WO: 1775848 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class:3 SERVICE WATER SYSTEM 4060
5. (a) Applicable Construction Code: B.31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: N/A
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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 Stamp (Yes or No)
Valve disc	Maintenance	N/A	N/A	SW-560	1971	Removed	N
Valve disc	Crane Nuclear	D3007	NA	SW-560	2011	Installed	N

7. Description of Work: Replaced valve disc
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
- Other [N/A] Pressure [N/A] psig Test Temp. [N/A] °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See W0 1775848 turnover package

Applicable Manufacturers Data Reports to be attached

CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.	
Type Code Symbol Stamp	N/A
Certificate of Authorization No.	N/A
Signed <u>Paul Sandoz</u>	ISI ENGINEER Date <u>6/7/2011</u>
Owner or Owner's Designee, Title	

CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>North Carolina</u> and employed by <u>THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY</u> of <u>HARTFORD, CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>3/3/2011</u> to <u>6/7/2011</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
<u>Paul W. Sandoz</u> Inspector's Signature	Commissions <u>NC# 1580 / NB 12442 ANI</u> National Board, State, Province, and Endorsements
Date: <u>6/7/2011</u>	

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 2/9/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
 Address  
 ESR#: N/A EE: N/A  
 WR/WO: 1674156 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class:3 CHEMICAL AND VOLUME CONTROL SYSTEM2060
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: N/A
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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 Stamp (Yes or No)
Bonnet	ITT Engineered	N/A	N/A	CVC-348	1996	Removed	N
Valve Bonnet	ITT Engineered	587568-002-001	N/A	CVC-348	2011	Installed	N

7. Description of Work: Replaced bonnet of valve CVC-348 due to leakage.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other VT-2 Pressure N/A psig Test Temp N/A °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See 1674158 turnover package.

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed L W Holley \_\_\_\_\_ ISI ENGINEER \_\_\_\_\_ Date 2/9/2012 \_\_\_\_\_  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 8/4/2011 to 2/7/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions NB# 12442 ANI NC# 1580  
National Board, State, Province, and Endorsements

Date: 2/9/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 2/10/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 ESR# N/A EE N/A  
 WR/WO: 1605807 CR N/A  
 Repair Organization PO No; Job No; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 3 CHEMICAL AND VOLUME CONTROL SYSTEM 2060
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: N/A
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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 Stamp (Yes or No)
Valve Bonnet	ITT Engineered		N/A	CVC-341	1995	Removed	N
Valve Bonnet	ITT Engineered	850267-001-002	N/A	CVC-341	2010	Installed	N

7. Description of Work: Replaced bonnet assembly due to bonnet leakage.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other VT-2 Pressure N/A psig Test Temp. N/A °F

FORM NIS-2 (Back)

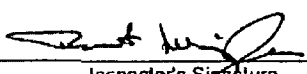
Sheet 2 of 2

Remarks: See WO 1605807 turnover package.

Applicable Manufacturers Data Reports to be attached

CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.	
Type Code Symbol Stamp _____	N/A
Certificate of Authorization No. _____	N/A
Signed <u>2 w Holley</u>	ISI ENGINEER Date <u>2/10/2012</u>
Owner or Owner's Designee, Title	

CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>North Carolina</u> and employed by <u>THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY</u> of <u>HARTFORD, CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>2/3/2010</u> to <u>2/10/2012</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
 Inspector's Signature	Commissions <u>NB# 12442 ANI NC# 1580</u> National Board, State, Province, and Endorsements
Date: <u>2/10/2012</u>	



## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/7/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
 Address  
 ESR#: 79649 EE: N/A  
 WR/WO: 1876996 CR: N/A  
 Repair Organization PO No; Job No; etc
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 3 SERVICE WATER SYSTEM 4060
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M-048
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N-416-3

## 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 Stamp (Yes or No)
Piping - 1 1/2"	Dubose	N/A	N/A	30-CW-12	2009	Installed	N
Reducer 1- 1/2"x1/2"	Dubose	N/A	N/A	N/A	2011	Installed	N

7. Description of Work: Install modified branch connection to SW-395
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other VT-2 Pressure NOP psig Test Temp. NOT °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1876996 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed *John Sande* \_\_\_\_\_ ISI ENGINEER \_\_\_\_\_ Date 3/7/2012 \_\_\_\_\_  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/21/2011 to 2/13/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*[Signature]* \_\_\_\_\_ Commissions NB 12442 ANI / NC# 1580  
Inspector's Signature National Board, State, Province, and Endorsements

Date: 3/7/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 2/13/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
 Address  
 ESR#: N/A EE: N/A  
 WR/WO: 1783775 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 2 MAIN STEAM SYSTEM 3020
5. (a) Applicable Construction Code: B.31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: N/A
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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 Stamp (Yes or No)
Cap Screw	Anchor Darling	N/A	N/A	MS-262C	1971	Removed	N
Cap Screws	Southern Fastener	N/A	N/A	MS-262C	2012	Installed	N

7. Description of Work: Replaced bonnet cap screws
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ Pressure N/A psig Test Temp. N/A °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: \_\_\_\_\_  
Applicable Manufacturers Data Reports to be attached

CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.	
Type Code Symbol Stamp	N/A
Certificate of Authorization No.	N/A
Signed <u>LW Holley</u>	ISI ENGINEER Date <u>2/13/2012</u>
Owner or Owner's Designee, Title	

CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>North Carolina</u> and employed by <u>THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY</u> of <u>HARTFORD, CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>2/8/2010</u> to <u>2/13/2012</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
<u>[Signature]</u> Inspector's Signature	Commissions <u>NB# 12442 ANI NC# 1580</u> National Board, State, Province, and Endorsements
Date: <u>2/13/2012</u>	

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/7/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550 ESR#: N/A EE: N/A  
 Address WR/VO: 1958279 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550 Authorization No.: N/A  
 Address Expiration Date: N/A
4. Identification of System: Class: 2 CHEMICAL AND VOLUME CONTROL SYSTEM2060
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M-019/CPL-HBR2-M-048
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N-416-3

## 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 Stamp (Yes or No)
Valve	Flowserve	63BLS	N/A	CVC-277A	2010	Removed	N
Valve			N/A	CVC-277A		Installed	N
Piping	Dubose National	553070	N/A	2-CH-2502R-236	2010	Removed	N
Piping			N/A	2-CH-2502R-236		Installed	N
Piping	Dubose	06A7230	N/A	2-CH-151R-6A	2010	Removed	N
Piping			N/A	2-CH-151R-6A		Installed	N

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

Other ☐ VT-2 Pressure ☐ NOP psig Test Temp. ☐ NOT °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1958279 turnover package  
Applicable Manufacturers Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed *Josh Smith* ISI ENGINEER Date 3/7/2012  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 7/28/2011 to 2/27/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Paul W. [Signature]* Commissions NB 12442 ANI / NC# 1580  
Inspector's Signature National Board, State, Province, and Endorsements

Date: 3/7/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date 3/7/2012  
Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
Address
2. Plant H.B.ROBINSON Unit: 2  
Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
Address  
ESR#: N/A EE: N/A  
WR/WO: 1699974 CR: N/A  
Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
Address  
Authorization No.: N/A  
Expiration Date: N/A
4. Identification of System: Class:2 CHEMICAL AND VOLUME CONTROL SYSTEM2060
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
Design Specification: HBR2-09665
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
Code Case: N/A

## 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 Stamp (Yes or No)
Valve Plug	Ebasco	N/A	N/A	CVC-200B	1971	Removed	N
Plug	SPX Valves & Controls	VB-0326	N/A	CVC-200B	2012	Installed	N

7. Description of Work: Replace valve plug
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
- Other [N/A] Pressure [N/A] psig Test Temp. [N/A] °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1699974 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed *John L. Sander* ISI ENGINEER Date 3/7/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 2/10/2012 to 2/27/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Robert W. Wynn* Commissions NB 12442 ANI / NC# 1580  
Inspector's Signature National Board, State, Province, and Endorsements

Date: 3/7/2012



## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/7/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address
- ESR#: N/A EE: N/A  
 WR/WQ: 2040448 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address
- Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class:3 SERVICE WATER SYSTEM 4060
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: N/A
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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 Stamp (Yes or No)
Valve	AC Service and Repair	ME2530	N/A	SW-8	2005	Removed	N
Valve	AC Service and Repair	ME2530	N/A	SW-8	2012	Installed	N

7. Description of Work: Replace Valve
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other VT-2 Pressure [NOP] psig Test Temp. [NOT] °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 2040448 turnover package  
Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A

Certificate of Authorization No. \_\_\_\_\_ N/A

Signed *John S. Smith* ISI ENGINEER Date 3/7/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 2/7/2012 to 3/6/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Robert W. Smith* Commissions NB 12442 ANI / NC# 1580  
Inspector's Signature National Board, State, Province, and Endorsements

Date: 3/7/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/7/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
 Address
- ESR#: 79124 EE: N/A  
 WR/VO: 1898810 24 CR: N/A  
 Repair Organization PO No; Job No; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class:3 COMPONENT COOLING WATER SYSTEM 4080
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: N/A
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N-416-3

## 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 Stamp (Yes or No)
Flow meter	ABB	N/A	N/A	FIC-657	1971	Removed	N
Flow Meter	Fischer & Porter	N/A	N/A	FIC-657	2012	Installed	N
Pipe	Ebasco	N/A	N/A	2-AC-152N-142A	1971	Removed	N
Pipe	Dubose National	B67865	N/A	2-AC-152N-142A	2012	Installed	N
Elbow	Ebasco	N/A	N/A	2-AC-152N-142A	1971	Removed	N
Elbow	Dubose National	N/A	N/A	2-AC-152N-142A	2012	Installed	N

7. Description of Work: Replace flow meter and associated piping and fittings8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐Other VT-2 Pressure NQP psig Test Temp. NOT °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1898810 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A

Certificate of Authorization No. \_\_\_\_\_ N/A

Signed *John L. Sander* \_\_\_\_\_ ISI ENGINEER \_\_\_\_\_ Date 3/7/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 5/24/2011 to 3/7/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Sam W. Wynn* \_\_\_\_\_ Commissions NB 12442 ANI / NC# 1580  
Inspector's Signature National Board, State, Province, and Endorsements

Date: 3/7/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/7/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
 Address  
 ESR#: 79124 EE: N/A  
 WR/WO: 1898811 20 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class:3 COMPONENT COOLING WATER SYSTEM 4080
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: N/A
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N-416-3

## 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 Stamp (Yes or No)
Flow meter	ABB	N/A	N/A	FIC-658	1971	Removed	N
Flow Meter	Fischer & Porter	N/A	N/A	FIC-658	2012	Installed	N
Pipe	Ebasco	N/A	N/A	2-AC-152N-143	1971	Removed	N
Pipe	Dubose National	B67440	N/A	2-AC-152N-143	2012	Installed	N
Elbow	Ebasco	N/A	N/A	2-AC-152N-143	1971	Removed	N
Elbow	Dubose National	76259	N/A	2-AC-152N-143	2012	Installed	N

7. Description of Work: Replace flow meter and associated piping and fittings.8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐Other ☐ VT-2 Pressure ☐ NOP psig Test Temp. ☐ NOT °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1898810 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed *John L. Sanchez* ISI ENGINEER Date 3/7/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 5/24/2011 to 3/7/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Robert W. Wynn*  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1530  
National Board, State, Province, and Endorsements

Date: 3/7/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/8/2012  
Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
Address
2. Plant H.B. ROBINSON Unit: 2  
Name  
3581 WEST ENTRANCE RD., HARTSVILLE, SC 29550  
Address
- ESR#: N/A EE: N/A  
WR/WO: 1930221 CR: N/A  
Repair Organization PO No.; Job No.; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
Name  
3581 WEST ENTRANCE RD., HARTSVILLE, SC 29550  
Address  
Authorization No.: N/A  
Expiration Date: N/A
4. Identification of System: Class: 3 CHEMICAL AND VOLUME CONTROL SYSTEM 2060
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
Design Specification: E 676281
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
Code Case: N/A

## 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 Stamp (Yes or No)
Bonnet & Bolting	Grinnel	N/A	N/A	CVC-342	1998	Removed	N
Bonnet	Grinnell	859910-001-001	N/A	CVC-342	2012	Installed	N

7. Description of Work: Replaced valve bonnet.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
- Other VT-2 Pressure NOP psig Test Temp. NOT °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See 1930221 turnover package.

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed *John L. Smith* IS ENGINEER Date 3/8/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 7/21/2011 to 3/8/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Paul W. Smith* Commissions NB 12442 ANI / NC# 1580  
Inspector's Signature National Board, State, Province, and Endorsements

Date: 3/8/2012



## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/7/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550 ESR#: N/A EE: N/A  
 Address WR/WO: 1857357 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550 Authorization No.: N/A  
 Address Expiration Date: N/A
4. Identification of System: Class:2 CHEMICAL AND VOLUME CONTROL SYSTEM2060
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-XXXX-M-001
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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 Stamp (Yes or No)
Bonnet Bolting	Maintenance	N/A	N/A	CVC398B	1971	Removed	N
Threaded Rod	Nova Machine Products	136C	N/A	CVC-398B	2012	Installed	N
Nut	Maintenance	N/A	N/A	CVC-398B	1971	Removed	N
Nut	A & G Engineering	N/A	N/A	CVC-398B	2012	Installed	N

7. Description of Work: Replaced nuts/studs on Bonnet to Body connection
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

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

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1857357 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A


Certificate of Authorization No. N/A

Signed  ISI ENGINEER Date 3/7/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 3/10/2011 to 3/7/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/7/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/8/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
 Address  
 ESR#: N/A EE: N/A  
 WR/WO: 1944448 CR: N/A  
 Repair Organization PO No, Job No, etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2060
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: 728-131-99
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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 Stamp (Yes or No)
Cylinder Head Extension	Union Pump	N/A	N/A	CHG-PMP-B	1971	Removed	N
Fluid Cylinder extension	Union Pump	418655	N/A	CHG-PMP-B	2011	Installed	N
Fluid Cylinder extension	Union Pump	N/A	N/A	CHG-PMP-B	1971	Removed	N
Fluid Cylinder Extension	Union Pump	2741561581/161	N/A	CHG-PMP-B	2011	Installed	N
Bolting	Maintenance	N/A	N/A	CHG-PMP-B	1971	Removed	N
Bolting	Nova Machine Products	N/A	N/A	CHG-PMP-B	2011	Installed	N

7. Description of Work: Replaced Cylinder Head extensions and associated bolting8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐Other ☐ Pressure ☐ psig Test Temp. ☐ °F

## SECTION XI DIVISION 1

FORM NIS-2 (Back)

Sheet 2 of 2Remarks: See WO 1863342 turnover package

Applicable Manufacturers Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/ASigned *John L. Smith* ISI ENGINEER Date 3/8/2012

Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/17/2011 to 3/8/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Paul W. Smith*  
Inspector's SignatureCommissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and EndorsementsDate: 3/8/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/8/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD: HARTSVILLE, SC 29550 ESR#: 84878 EE: N/A  
 Address WR/WO: 2034642 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550 Authorization No.: N/A  
 Address Expiration Date: N/A
4. Identification of System: Class: 1 RESIDUAL HEAT REMOVAL SYSTEM 2045
5. (a) Applicable Construction Code: ASME Section VII Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: N/A
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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 Stamp (Yes or No)
Nut	Maintenance	N/A	N/A	RHR-HTX-B	1971	Removed	N
Nut	Nova Machine Products	8099455/tra7v-1	N/A	RHR-HTX-B	2012	Installed	N

7. Description of Work: Evaluate damaged stud thread as acceptable per EC 84878 and replace nut8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐Other ☐ Pressure [N/A] psig Test Temp. [N/A] °F

## SECTION XI DIVISION 1

FORM NIS-2 (Back)

Sheet 2 of 2Remarks: See WO 2034642 turnover package.Applicable Manufacturers Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/ASigned Josh Lamb ISI ENGINEER Date 3/8/2012  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 3/8/2012 to 3/8/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Wiggins  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/8/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/22/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
ESR#: 65390 EE: N/A  
WR/WO: 1531560 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 3 COMPONENT COOLING WATER SYSTEM 4080
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M-026/CPL-HBR2-M-047
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N-416-3

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Globe Valve	Edwards	N/A	N/A	CC-728A	1971	Removed	N
Globe Valve	Edwards/Flowserve	B1PB	N/A	CC-728A	2012	Installed	N
Pipe	Ebasco	N/A	N/A	CC-728A	1971	Removed	N
Pipe	Dubose National	710144	N/A	CC-728A	2012	Installed	N

7. Description of Work: Replace valve
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ VT-2 Pressure ☐ NOP psig Test Temp. ☐ NOT °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1531560 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed *John Sande* \_\_\_\_\_ ISI ENGINEER \_\_\_\_\_ Date 3/22/2012 \_\_\_\_\_

Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 1/17/2011 to 3/22/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Dwight Long*  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/22/2012



## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/22/2012  
Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
Address
2. Plant H.B. ROBINSON Unit: 2  
Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
Address  
ESR#: 65390 EE: N/A  
WR/WQ: 1531562 CR: N/A  
Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
Address  
Authorization No.: N/A  
Expiration Date: N/A
4. Identification of System: Class: 3 COMPONENT COOLING WATER SYSTEM 4080
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
Design Specification: CPL-HBR2-M-026/CPL-HBR2-M-047
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
Code Case: N-416-3

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Globe Valve	Edwards	N/A	N/A	CC-728B	1971	Removed	N
Globe Valve	Edwards/Flowserve	B1PB	N/A	CC-728B	2012	Installed	N
Pipe	Ebasco	N/A	N/A	CC-728B	1971	Removed	N
Pipe	Dubose National	710144	N/A	CC-728B	2012	Installed	N

7. Description of Work: Replace valve
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ VT-2 Pressure ☐ NOP psig Test Temp. ☐ NOT °F

Remarks: See WO 1531560 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/ASigned John Sande ISI ENGINEER Date 3/22/2012  
Owner or Owner's Designee, Title**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 1/17/2011 to 3/22/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul W. [Signature] Commissions NB 12442 ANI / NC# 1580  
Inspector's Signature National Board, State, Province, and Endorsements

Date: 3/22/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/22/2012  
Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
Address
2. Plant H.B. ROBINSON Unit: 2  
Name  
3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550  
Address  
ESR#: 72478 EE: N/A  
WR/WO: 1531563 CR: N/A  
Repair Organization PQ No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
Name  
3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550  
Address  
Authorization No.: N/A  
Expiration Date: N/A
4. Identification of System: Class: 3 COMPONENT COOLING WATER SYSTEM 4080
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
Design Specification: CPL-HBR2-M-026CPL-HBR2-M-047/CPL-HBR2-S-001
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
Code Case: N-416-3

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Globe Valve	Edwards	N/A	N/A	CC-728C	1971	Removed	N
Globe Valve	Edwards/Flowserve	B1PB	N/A	CC-728C	2012	Installed	N
Pipe	Ebasco	N/A	N/A	CC-728C	1971	Removed	N
Pipe	Dubose National	710144	N/A	CC-728B	2012	Installed	N
Pipe Support	Maintenance	SS-3148	N/A	2-AC-2503-N40F	2012	Installed	N

7. Description of Work: Replace valve and support
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☒ Pressure ☒ Test Temp. ☒ °F

## SECTION XI DIVISION 1

FORM NIS-2 (Back)

Sheet 2 of 2Remarks: See WO 1531563 turnover packageApplicable Manufacturers Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

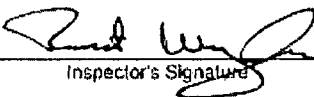
Signed Josh Sanoh \_\_\_\_\_ ISI ENGINEER \_\_\_\_\_ Date 3/22/2012 \_\_\_\_\_

Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 4/12/2011 to 3/22/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

  
Inspector's SignatureCommissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and EndorsementsDate: 3/22/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/19/2012  
Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
Address
2. Plant H.B.ROBINSON Unit: 2  
Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
Address  
ESR#: 72331 EE: N/A  
WR/WO: 1512225-04 CR: N/A  
Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
Address  
Authorization No.: N/A  
Expiration Date: N/A
4. Identification of System: Class:3 DG Fuel Oil System 5100
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
Design Specification: CPL-HBR2-M-048/CPL-HBR2-S-001
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Piping	Ebasco	N/A	N/A	2-FO-60B	1971	Removed	N
Piping	Ebasco	N/A	N/A	2-FO-60B	2011	Re-installed	N
Support	Maintenance	SS-3140	N/A	2-FO-60B	2011	Installed	N
Support	Maintenance	SS-3139	N/A	2-FO-60B	2011	Installed	N

7. Description of Work: Replace valve and install new supports.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other VT-2 Pressure NOP psig Test Temp. NOT °F

Remarks: See WO 1512225 turnover packages.

Applicable Manufacturers Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/ASigned Jahid Samah ISI ENGINEER Date 3/19/2012  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 3/29/2011 to 3/19/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Paul W. Wilson  
Inspector's SignatureCommissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and EndorsementsDate: 3/19/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/22/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 ESR#: N/A EE: N/A  
 WR/VO: 1624642 CR: N/A  
 Repair Organization PO No; Job No; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 2 MAIN STEAM SYSTEM 3020
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-R2-MV-81
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N416-3

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve	Crosby	N/A	N/A	SV1-4C	1971	Removed	N
Valve	Crosby	K91298	N/A	SV1-4C	2012	Installed	N

7. Description of Work: Replace Safety Relief Valve due to steam cuts on seat
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other VT-2 Pressure [NOP] psig Test Temp. [NOT] °F

## FORM NIS-2 (Back)

Sheet 2 of 2Remarks: See WO 1624642 turnover package

Applicable Manufacturers Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/ASigned Josh Sande ISI ENGINEER Date 3/22/2012  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 2/18/2012 to 3/22/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

  
Inspector's SignatureCommissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and EndorsementsDate: 3/22/2012



## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/12/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550 ESR#: N/A EE: N/A  
 Address WR/RO: 1933717 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name Authorization No.: N/A  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550 Expiration Date: N/A  
 Address
4. Identification of System: Class:2 SAFETY INJECTION SYSTEM 2080
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: N/A
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Casing Stud	Worthington Corp	N/A	N/A	SI-PMP-B	2011	Corrected	N

7. Description of Work: Repaired casing stud #6 by chasing threads.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ Pressure ☐ psig Test Temp. ☐ °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1933717 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Jack L. Smith ISI ENGINEER Date 3/12/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 6/16/2011 to 3/9/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Jack L. Smith Commissions NB 12442 ANI / NC# 1580  
Inspector's Signature National Board, State, Province, and Endorsements

Date: 3/12/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/19/2012  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B.ROBINSON Unit: 2  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
 Address ESR# N/A EE: N/A  
 WR/WO: 2032676 CR: 521702  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class 2 CHEMICAL AND VOLUME CONTROL SYSTEM2060
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: 676281
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Bonnet	Maintenance	N/A	N/A	CVC-398B	1997	Removed	N
Bonnet	ITT Grinnell	862325-001-003	N/A	CVC-398B	2012	Installed	N

7. Description of Work: Replaced Bonnet
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other VT-2 Pressure NOP psig Test Temp. NOT °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 2032676 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed *John Sander* ISI ENGINEER Date 3/19/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 3/8/2012 to 3/19/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Robert W. Winger*  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/19/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/12/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550 ESR#: N/A EE: N/A  
 Address WR/WQ: 1703298 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550 Authorization No.: N/A  
 Address Expiration Date: N/A
4. Identification of System: Class:2 CHEMICAL AND VOLUME CONTROL SYSTEM2060
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: HBR2-09665
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve Plug	Maintenance	N/A	N/A	CVC-200C	1971	Removed	N
Valve Plug	Copes Vulcan	111-1371437-1-1	N/A	CVC-200C	2012	Installed	N

7. Description of Work: Replace trim set which includes valve plug.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
- Other ☐ Pressure ☐ psig Test Temp. ☐ °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1703298 turnover package  
Applicable Manufacturers Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed *Pat H. Smith* \_\_\_\_\_ ISI ENGINEER \_\_\_\_\_ Date 3/12/2012 \_\_\_\_\_  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 4/13/2011 to 3/9/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Pat H. Smith*  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/12/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/12/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550 ESR#: N/A EE: N/A  
 Address WR/WO: 1800337 CR: N/A  
 Repair Organization PO No.; Job No.; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name Authorization No.: N/A  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550 Expiration Date: N/A  
 Address
4. Identification of System: Class:3 FEED WATER SYSTEM 3050
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M-048
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Flow Element	Ebasco	N/A	N/A	FE-496	1971	Corrected	N

7. Description of Work: Disassembled and rewelded flow element structure
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

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

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 147937 turnover package.

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed John L. Smith ISI ENGINEER Date 3/12/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 2/6/2012 to 3/12/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/12/2012



## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/12/2012  
Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
Address
2. Plant H.B.ROBINSON Unit: 2  
Name  
3581 WEST Entrance RD: HARTSVILLE, SC 29550  
Address  
ESR# N/A EE: N/A  
WR/WO: 1800338 CR: N/A  
Repair Organization PO No; Job No; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
Name  
3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550  
Address  
Authorization No.: N/A  
Expiration Date: N/A
4. Identification of System: Class:3 FEED WATER SYSTEM 3050
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
Design Specification: CPL-HBR2-M-048
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Flow Element	Ebasco	N/A	N/A	FE-486	1971	Corrected	N

7. Description of Work: Disassembled and rewelded flow element structure
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
- Other ☐ Pressure ☐ psig Test Temp. ☐ °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 147936 turnover package.

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed *John Sanah* ISI ENGINEER Date 3/12/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 2/6/2012 to 3/12/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*John W. Sanah*  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/12/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/12/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST ENTRANCE RD. HARTSVILLE, SC 29550  
 Address  
 ESR#: N/A EE: N/A  
 WR/WO: 1800339 CR: N/A  
 Repair Organization PO No.; Job No.; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD. HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 3 FEED WATER SYSTEM 3050
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M-048
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Flow Element	Ebasco	N/A	N/A	FE-476	1971	Corrected	N

7. Description of Work: Disassembled and rewelded flow element structure
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
- Other ☐ Pressure ☐ N/A psig Test Temp ☐ N/A °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 147938 turnover package.

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed Jack Sanchez ISI ENGINEER Date 3/12/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 2/6/2012 to 3/12/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/12/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/22/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
 Address  
ESR# EC 83325 EE N/A  
WR/WO: 1789189 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 1 SAFETY INJECTION SYSTEM 2080
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M-019/CPL-XXXX-M-002
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N-416-3

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve	Edwards	N/A	N/A	SI-875P	1971	Removed	N
Valve	Velan	HB10	N/A	SI-875P	2012	Installed	N
Pipe Piece	Ebasco	N/A	N/A	10-RC-2501R-21	1971	Removed	N
Pipe Piece	Dubose National Steel	509113	N/A	10-RC-2501R-21	2012	Installed	N

7. Description of Work: Replaced valve and pipe piece
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other VT-2 Pressure N/A psig Test Temp. N/A °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1789189 turnover package

Applicable Manufacturers Data Reports to be attached

CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.	
Type Code Symbol Stamp	N/A
Certificate of Authorization No.	N/A
Signed <u>John D. Sandoz</u>	ISI ENGINEER Date <u>3/22/2012</u>
Owner or Owner's Designee, Title	

CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>North Carolina</u> and employed by <u>THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>2/19/2011</u> to <u>3/22/2012</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
<u>[Signature]</u> Inspector's Signature	Commissions <u>NB 12442 ANI / NC# 1580</u> National Board, State, Province, and Endorsements
Date: <u>3/22/2012</u>	

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/12/2012  
Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
Address
2. Plant H.B.ROBINSON Unit: 2  
Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550 ESR#: N/A EE: N/A  
Address WR/WD: 1792508 CR: N/A  
Repair Organization PO No.; Job No.; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550 Authorization No.: N/A  
Address Expiration Date: N/A
4. Identification of System: Class:1 REACTOR COOLANT SYSTEM 2005
5. (a) Applicable Construction Code: B.31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
Design Specification: CPL-HBR2-S-001
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Rod Hanger	Maintenance	RC-H3	N/A	RC-H3	2012	Corrected	

7. Description of Work: Restored hanger RC-H3 to design condition including replacement of pipe saddle
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☒ VT-3 Pressure N/A psig Test Temp. N/A °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1792508 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed *John Lamb* ISI ENGINEER Date 3/12/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 5/24/2011 to 3/10/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*John Lamb*  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/12/2012



## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/28/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 ESR#: N/A EE: N/A  
 WR/VO: 1799484 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 2 STEAM GENERATOR SYSTEM 3005
5. (a) Applicable Construction Code: N/A Edition: N/A Addenda: N/A Code Case: N/A  
 Design Specification: DRS 200 Rev. 2
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Snubber	Grinnell	30077	N/A	Snubber #19	2001	Removed	N
Snubber	Grinnell	37963	N/A	Snubber #19	2012	Installed	N

7. Description of Work: Replaced snubber # 19.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
- Other ☐ VT-3 Pressure ☐ N/A psig Test Temp. ☐ N/A °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1799484 turnover package.

Applicable Manufacturers Data Reports to be attached

CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.	
Type Code Symbol Stamp	N/A
Certificate of Authorization No.	N/A
Signed <u>John L. Smith</u>	ISI ENGINEER Date <u>3/28/2012</u>
Owner or Owner's Designee, Title	

CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>North Carolina</u> and employed by <u>THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY</u> of <u>HARTFORD, CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>2/17/2012</u> to <u>3/28/2012</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
<u>Paul W. Smith</u> Inspector's Signature	Commissions <u>NB 12442 ANI / NC# 1580</u> National Board, State, Province, and Endorsements
Date: <u>3/28/2012</u>	/

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/12/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
 Address  
 ESR#: N/A EE: N/A  
 WR/VO: 1800244 CR: N/A  
 Repair Organization PO No.; Job No.; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: \_\_\_\_\_ Class: 3 COMPONENT COOLING WATER SYSTEM 4060
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M-026
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Disc	Velan	N/A	N/A	CC-738	2004	Removed	N
Disc	Velan	5811	N/A	CC-738	2012	Installed	N

7. Description of Work: Replace disc
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
- Other [N/A] Pressure [N/A] psig Test Temp. [N/A] °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See wo 1800244 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed *John Lander* ISI ENGINEER Date 3/12/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 2/6/2012 to 3/10/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*[Signature]*  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/12/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/22/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
 Address  
 ESR#: EC 84601 EE: N/A  
 WR/WO: 2032224 CR: N/A  
 Repair Organization PO No.; Job No.; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 1 CHEMICAL AND VOLUME CONTROL SYSTEM2060
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M019/CPL-HBR2-M-047
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N 416-3

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve	Ebasco	N/A	N/A	CVC-455	1971	Removed	N
Valve	Rockwell Edwards	EZ18	N/A	CVC-455	2012	Installed	N
Pipe	Ebasco	N/A	N/A	2-CH-2502R-8C	1971	Removed	N
Pipe	Dubose National Steel	509113	N/A	N/A	2012	Installed	N

7. Description of Work: Replace Valve and associated piping
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure ☐ Test Temp. ☐ °F

Remarks: See WO 2032224 turnover package  
Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed *John L. Sande* \_\_\_\_\_ IS ENGINEER \_\_\_\_\_ Date 3/22/2012 \_\_\_\_\_  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 2/2/2012 to 3/22/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*[Signature]* \_\_\_\_\_ Commissions NB 12442 ANI / NC# 1580  
Inspector's Signature National Board, State, Province, and Endorsements

Date: 3/22/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/12/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD: HARTSVILLE, SC 29550 ESR#: N/A EE: N/A  
 Address WR/VO: 1821008 CR: N/A  
 Repair Organization PO No; Job No; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name Authorization No.: N/A  
3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550 Expiration Date: N/A  
 Address
4. Identification of System: Class:2 REACTOR COOLANT SYSTEM 2005
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: 67627
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve Plug	Copes-Vulcan	N/A	N/A	PCV-456	1971	Removed	N
Valve Plug	Copes-Vulcan	S/N 10-01	N/A	PCV-456	2012	Installed	N

7. Description of Work: Replace valve plug
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
- Other ☐ Pressure N/A psig Test Temp. N/A °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1821008 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed *John H. Sander* ISI ENGINEER Date 3/12/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 2/18/2012 to 3/12/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*John H. Sander*  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/12/2012



## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/16/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
 Address  
 ESR#: N/A EE: N/A  
 WR/VO: 1769791 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 2 SAFETY INJECTION SYSTEM 2080
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: N/A  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Disc	Anchor Darling	N/A	N/A	SI-864A	1971	Removed	N
Disc	Anchor Darling	77090	N/A	SI-864A	2012	Installed	N

7. Description of Work: Replaced double disc
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure ☐ psig Test Temp. ☐ °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1769791 turnover package.

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed *John Sank* ISI ENGINEER Date 3/16/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 4/13/2011 to 3/16/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Paul W. [Signature]*  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/16/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/22/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
 Address  
ESR# 79124 EE: N/A  
WR/WO: 1898810 01 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class:3 COMPONENT COOLING WATER SYSTEM 4080
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: N/A
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N-416-3

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Flow meter	Ebasco	N/A	N/A	FIC-629	1971	Removed	N
Flow Meter	Kobold Ind.	N/A	N/A	FIC-629	2012	Installed	N
Pipe	Ebasco	N/A	N/A	3-AC-152N-38B	1971	Removed	N
Pipe	Dubose National	HA0948	N/A	3-AC-152N-38B	2012	Installed	N
Flange	Ebasco	N/A	N/A	3-AC-152N-38B	1971	Removed	N
Flange	Dubose National	149T1	N/A	3-AC-152N-38B	2012	Installed	N

7. Description of Work: Replace flow meter and associated piping and fittings.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ VT-2 Pressure ☐ NOP psig Test Temp. ☐ NOT °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1898810 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed *John S. Smith* ISI ENGINEER Date 3/22/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 5/24/2011 to 3/22/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*John S. Smith*  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/22/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/15/2012  
Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
Address
2. Plant H.B. ROBINSON Unit: 2  
Name  
3581 WEST Entrance RD; HARTSVILLE, SC 29550  
Address  
ESR#: 79124 EE: N/A  
WR/RO: 1898810 10 CR: N/A  
Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
Name  
3581 WEST ENTRANCE RD; HARTSVILLE, SC 29550  
Address  
Authorization No.: N/A  
Expiration Date: N/A
4. Identification of System: Class:3 COMPONENT COOLING WATER SYSTEM 4080
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
Design Specification: N/A
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
Code Case: N-416-3

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Flow meter	Ebasco	N/A	N/A	FIC-632	1971	Removed	N
Flow Meter	Kobold Ind.	N/A	N/A	FIC-632	2012	Installed	N
Pipe	Ebasco	N/A	N/A	3-AC-152N-38F	1971	Removed	N
Pipe	Dubose National	HA0948	N/A	3-AC-152N-38F	2012	Installed	N
Flange	Ebasco	N/A	N/A	3-AC-152N-38F	1971	Removed	N
Flange	Dubose National	149T1	N/A	3-AC-152N-38F	2012	Installed	N

7. Description of Work: Replace flow meter and associated piping and fittings
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☐ VT-2 Pressure ☐ NOP psig Test Temp. ☐ NOT °F

Remarks: See WO 1898810 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed *John Sandoz* ISI ENGINEER Date 3/15/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 5/24/2011 to 3/15/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Robert W. Jones* Commissions NB 12442 ANI / NC# 1580  
Inspector's Signature National Board, State, Province, and Endorsements

Date: 3/15/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/15/2012  
Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
Address
2. Plant H.B. ROBINSON Unit: 2  
Name  
3581 WEST ENTRANCE RD. HARTSVILLE, SC 29550  
Address  
ESR#: 79124 EE: N/A  
WRWO: 1898610 17 CR: N/A  
Repair Organization PO No.; Job No.; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
Name  
3581 WEST ENTRANCE RD. HARTSVILLE, SC 29550  
Address  
Authorization No.: N/A  
Expiration Date: N/A
4. Identification of System: Class:3 COMPONENT COOLING WATER SYSTEM 4080
5. (a) Applicable Construction Code: B31.1 Edition: 1987 Addenda: N/A Code Case: N/A  
Design Specification: N/A  
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
Code Case: N-416-3

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Flow meter	Ebasco	N/A	N/A	FIC-635	1971	Removed	N
Flow Meter	Kobold Ind.	N/A	N/A	FIC-635	2012	Installed	N
Pipe	Ebasco	N/A	N/A	3-AC-152N-38J	1971	Removed	N
Pipe	Dubose National	HA0948	N/A	3-AC-152N-38J	2012	Installed	N
Flange	Ebasco	N/A	N/A	3-AC-152N-38J	1971	Removed	N
Flange	Dubose National	149T1	N/A	3-AC-152N-38J	2012	Installed	N

7. Description of Work: Replace flow meter and associated piping and fittings
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☐ VT-2 Pressure ☐ NOP psig Test Temp. ☐ NOT °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1898810 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed *John Smith* \_\_\_\_\_ IS ENGINEER \_\_\_\_\_ Date 3/15/2012 \_\_\_\_\_  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 5/24/2011 to 3/15/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Paul Leung* \_\_\_\_\_ Commissions NB 12442 ANI / NC# 1580  
Inspector's Signature National Board, State, Province, and Endorsements

Date: 3/15/2012



## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/16/2012  
Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
Address
2. Plant H.B. ROBINSON Unit: 2  
Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
Address  
ESR# N/A EE N/A  
WR/WO: 1820971 CR: N/A  
Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
Address  
Authorization No.: N/A  
Expiration Date: N/A
4. Identification of System: Class: MC CONTAINMENT 8010
5. (a) Applicable Construction Code: API-620 Edition: 1967 Addenda: N/A Code Case: N/A  
Design Specification: WELC-5379-51
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Liner	Nova Machine Products	50100405 50335366	N/A	CV	2012	Corrected	N

7. Description of Work: Replaced Containment Liner insulation studs
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ Pressure ☐ psig Test Temp. ☐ °F

FORM NIS-2 (Back)

Sheet 2 of 2Remarks: See WO 1820971 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed *John L. Sanchez* ISI ENGINEER Date 3/16/2012  
Owner or Owner's Designee, Title**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 1/27/2012 to 3/16/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*John L. Sanchez*  
Inspector's SignatureCommissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and EndorsementsDate: 3/16/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/23/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD: HARTSVILLE, SC 29550 ESR#: 80584 EE: N/A  
 Address WR/WO: 1999484 CR: 509406  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550 Authorization No.: N/A  
 Address Expiration Date: N/A
4. Identification of System: Class:2 SPENT FUEL PIT COOLING SYSTEM 7110
5. (a) Applicable Construction Code: D1.1 Edition: 1988 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-S-001
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Support	Maintenance	SS-3168	N/A	2-AC-151R-157	2012	Installed	N
Support	Maintenance	SS-3169	N/A	2-AC-151R-157	2012	Installed	N
Support	Maintenance	SS-3174	N/A	2-AC-151R-157	2012	Corrected	N
Support	Grinnell	N/A	N/A	2-CH-151R-33	2012	Corrected	N

7. Description of Work: Upgrade RW purification system from NS to SS class 28. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐Other ☐ VT-3 Pressure N/A psig Test Temp. N/A °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See 1999484 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed Joseph Sande \_\_\_\_\_ IS ENGINEER \_\_\_\_\_ Date 3/23/2012 \_\_\_\_\_

Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 12/21/2011 to 3/23/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Det. W. J. [Signature]  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/23/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/19/2012  
411 FAYETTEVILLE ST. RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
3581 WEST ENTRANCE RD. HARTSVILLE, SC 29550  
 Address ESR#: 79124 EE: N/A  
 WR/RO: 2052922 CR: N/A  
 Repair Organization PO No.; Job No.; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
3581 WEST ENTRANCE RD. HARTSVILLE, SC 29550  
 Address Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 3 COMPONENT COOLING WATER SYSTEM 4080
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: N/A
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Flow meter	Kobold	N/A	N/A	FIC-629	2012	Removed	N
Flow Meter	Kobold	N/A	N/A	FIC-629	2012	Installed	N

7. Description of Work: Replaced flow meter orifice plate due to FME cap in line8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒Other ☒ VT-2 Pressure ☐ NOP psig Test Temp. ☐ NOT °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 20529220 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed *John Sank* ISI ENGINEER Date 3/19/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 3/15/2012 to 3/19/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Inspector's Signature*  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/19/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/22/2012  
Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
Address
2. Plant H.B.ROBINSON Unit: 2  
Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
Address  
ESR# N/A EE N/A  
WR/VO 1967464 CR N/A  
Repair Organization PO No; Job No; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
Address  
Authorization No.: N/A  
Expiration Date: N/A
4. Identification of System: Class:2 CHEMICAL AND VOLUME CONTROL SYSTEM2060
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
Design Specification: CPL-HBR2-M-048/CPL-XXXX-M-002
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
Code Case: N 416-3

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Piping	Ebasco	N/A	N/A	3-CH-8	1971	Removed	N
Pipe	Dubose National Steel	41282	N/A	3-CH-8	2012	Installed	N
Tee	Ebasco	N/A	N/A	3-CH-8	1971	Removed	N
Tee	Dubose National Steel	MHLA-1	N/A	3-CH-8	2012	Installed	N

7. Description of Work: Cut piping welds and replaced tee in line 3-CH-8 to facilitate adjustment at B charging pump flange and repair PT indication on tee at W-5
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☒ Pressure ☒ psig Test Temp. ☒ °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See 1967464 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed *John Sande* ISI ENGINEER Date 3/22/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 1/9/2012 to 3/22/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Scott Wayne*  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/22/2012



## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/19/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD; HARTSVILLE, SC 29550  
 Address  
 ESR#: N/A EE: N/A  
 WR/WO: 1800327 CR: N/A  
 Repair Organization PO No; Job No; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD; HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class 2 MAIN STEAM SYSTEM 3020
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: L2-N-001
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Plug	Copes Vulcan	N/A	N/A	RV1-1	1971	Removed	N
Plug	Copes Vulcan	S/N 0751-143782-1-2	N/A	RV1-1	2012	Installed	N

7. Description of Work: Replace Plug
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
- Other ☐ Pressure [N/A] psig Test Temp. [N/A] °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1800327 turnover package

Applicable Manufacturers Data Reports to be attached

CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.	
Type Code Symbol Stamp	N/A
Certificate of Authorization No.	N/A
Signed <u>Jack Sarah</u>	ISI ENGINEER Date <u>3/19/2012</u>
Owner or Owner's Designee, Title	

CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>North Carolina</u> and employed by <u>THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>3/17/2012</u> to <u>3/19/2012</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
<u>Inspector's Signature</u>	Commissions <u>NB 12442 ANI / NC# 1580</u> National Board, State, Province, and Endorsements
Date: <u>3/19/2012</u>	

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/28/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD, HARTSVILLE, SC 29550  
 Address  
 ESR#: N/A EE: N/A  
 WR/WO: 1800099 CR: N/A  
 Repair Organization PO No; Job No; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 2 STEAM GENERATOR SYSTEM 2005
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: N/A
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Hydraulic Fluid Reservoir	Anchor Holth	N/A	N/A	Snubber-RSV-B	1971	Removed	N
Hydraulic Fluid Reservoir	Enertech	N/A	N/A	Snubber-RSV-B	2012	Installed	N

7. Description of Work: Snubber-RSV-B, change snubber reservoir on snubber
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☒ VT-3 Pressure N/A psig Test Temp. N/A °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1800099 turnover package

Applicable Manufacturers Data Reports to be attached

CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.	
Type Code Symbol Stamp	N/A
Certificate of Authorization No.	N/A
Signed <u>Jahid Sarch</u>	ISI ENGINEER Date <u>3/28/2012</u>
Owner or Owner's Designee, Title	

CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>North Carolina</u> and employed by <u>THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY</u> of <u>HARTFORD, CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>3/16/2011</u> to <u>3/28/2012</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
<u>[Signature]</u> Inspector's Signature	Commissions <u>NB 12442 ANI / NC# 1580</u> National Board, State, Province, and Endorsements
Date: <u>3/28/2012</u>	

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/19/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address
- ESR# ME 03346 EE: N/A  
 WR/WO: 2041968 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD, HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 1 CHEMICAL AND VOLUME CONTROL SYSTEM 2060
5. (a) Applicable Construction Code: D1.1 Edition: 1988 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-S-001
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Rod	Nova Machine Products	A74965	N/A	CPL-134-A	2012	Installed	N
3/8 Nut	Nova Machine Products	A74965	N/A	CPL-134-A	2012	Installed	N
1/4" Nut	Southern Fastener	8H2907	N/A	CPL-134-A	2012	Installed	N

7. Description of Work: Replaced bent rod for support CPL-134-A on Line 2-CH-8A
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☒ VT-3 Pressure N/A psig Test Temp. N/A °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 2041966 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed Jack Sande \_\_\_\_\_ ISI ENGINEER \_\_\_\_\_ Date 3/19/2012 \_\_\_\_\_  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 2/17/2012 to 3/19/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] \_\_\_\_\_ Commissions NB 12442 ANI / NC# 1580  
Inspector's Signature National Board, State, Province, and Endorsements

Date: 3/19/2012

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/23/2012  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
 Address
2. Plant H.B. ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD: HARTSVILLE, SC 29550  
 Address  
ESR#: 81467/83908 EE: N/A  
WR/WO: 1936318/1935953 CR: N/A  
 Repair Organization PO No./Job No./etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550  
 Address  
 Authorization No.: N/A  
 Expiration Date: N/A
4. Identification of System: Class: 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2060
5. (a) Applicable Construction Code: B31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M-047
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Clamp	Maintenance	N/A	N/A	4-CH-151R-47	2011	Installed	N
Clamp	Maintenance	N/A	N/A	4-CH-151R-47	2012	Removed	N
Pipe	Energy and Process	L41567	N/A	4-CH-151R-47	2010	Removed	N
Pipe	Energy and Process	L41567	N/A	4-CH-151R-47	2012	Installed	N
Flange	Dubose National Steel	241964	N/A	4-CH-151R-47	2010	Removed	N
Flange	Dubose National Steel	241964	N/A	4-CH-151R-47	2012		N

7. Description of Work: Remove temporary clamp installed per WO 1935953 for 3/4" drain line and replaced drain line and 4" section of line between flange and elbow.
8. Test Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ VT-2 Pressure 165 psig Test Temp. Ambient °F

FORM NIS-2 (Back)

Sheet 2 of 2

Remarks: See WO 1936318 turnover package

Applicable Manufacturers Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed John L. Sandoz ISI ENGINEER Date 3/23/2012  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 1/17/2012 to 3/23/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert W. Sandoz  
Inspector's Signature

Commissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and Endorsements

Date: 3/23/2012



## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner CAROLINA POWER & LIGHT COMPANY Date: 3/26/2012  
Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602  
Address
2. Plant H.B. ROBINSON Unit: 2  
Name  
3581 WEST Entrance RD: HARTSVILLE, SC 29550  
Address  
ESR#: N/A EE: N/A  
WRA/WO: 2032527 CR: N/A  
Repair Organization PO No; Job No; etc.
3. Work Performed by CAROLINA POWER & LIGHT COMPANY Type Code Symbol Stamp: N/A  
Name  
3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550  
Address  
Authorization No.: N/A  
Expiration Date: N/A
4. Identification of System: Class: 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2060
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
Design Specification: CPL-R2-MP-12  
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
Code Case: N/A

## 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	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Pump	Johnston	JZ6436	N/A	SW-PMP-D	2004	Removed	N
Pump	Johnston	JZ-6437	N/A	SW-PMP-D	2012	Installed	N

7. Description of Work: Replaced SW Pump D with spare
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☒ Pressure ☐ psig Test Temp. ☐ °F

Remarks: See WO2032527 turnover package

Applicable Manufacturers Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed John L. Sande ISI ENGINEER Date 3/26/2012  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 1/28/2012 to 3/26/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert W. Jones  
Inspector's SignatureCommissions NB 12442 ANI / NC# 1580  
National Board, State, Province, and EndorsementsDate: 3/26/2012