

R. Michael Glover H B Robinson Steam Electric Plent Unit 2 Site Vice President

Duke Energy Progress 3581 West Entrance Road Hartsville, SC 29550

0. 843 857 1704 F 843 857 1319 Mike Gloven@duke-energy.com 10 CFR 50.552

Serial: RNP-RA/15-0063

JUL 08 2015

ATTN: Document Control Desk United States Nuclear Regulatory Commission Washington, DC 20555-0001

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

SUBMITTAL OF NINETY DAY INSERVICE INSPECTION SUMMARY REPORT - SUPPLEMENT

Ladies and Gentlemen:

In accordance with the requirements of 10 CFR 50.55a, "Codes and Standards," Duke Energy Progress, Inc., provided, as an enclosure to the letter, dated January 30, 2014 (ADAMS Accession Number ML14037A230), 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, 2007 Edition, 2008 Addenda, Article IWA-6000. This report covers inspection activities before and during Refueling Outage 28 at the H. B. Robinson Steam Electric Plant, Unit No. 2. Although this report is complete and accurate in all material respects, an editorial error was made during its submittal. In particular, a signed copy of the Form NIS-1, *Owner's Report For Inservice Inspections*, had been prepared for inclusion into the report, however, an unsigned copy of the Form was inadvertently included in the report during the submittal. This update resubmits the report, which now includes a signed copy of the Form NIS-1 (page 3 of the enclosure to this letter) and replaces, in entirety, the report submitted earlier under ADAMS Accession Number ML14037A230.

There are no regulatory commitments made in this submittal. If you have any questions regarding this submittal, please contact Mr. R. Hightower at (843) 857-1329.

I declare under penalty of perjury that the foregoing is true and correct.

Executed On: July 8, 2015

Singerely, Monual Alagon Thomas S Cosgrove for R. Michael Glover

K. Michael Glover Site Vice President

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United States Nuclear Regulatory Commission Serial: RNP-RA/15-0063 Page 2 of 2

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Enclosure: NINETY DAY INSERVICE INSPECTION SUMMARY REPORT

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cc: Mr. V. M. McCree, NRC, Region II Ms. M. Barillas, NRC Project Manager, NRR NRC Resident Inspector, HBRSEP Unit No. 2 United States Nuclear Regulatory Commission Enclosure to Serial: RNP-RA/15-0063 Page 1 of 196 (including cover)

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

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INSERVICE INSPECTION SUMMARY REPORT FOR REFUELING OUTAGE 28

INSERVICE INSPECTION REPORT INTERVAL 5, PERIOD 1, OUTAGE 1 (RO #28)

ISI SUMMARY REPORT

FOR

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

CAROLINA POWER AND LIGHT, Dba, DUKE ENERGY - PROGRESS, INC. 526 S. CHURCH STREET CHARLOTTE, NC 28201

COMMERCIAL SERVICE DATE: 3/7/71

REPORT COMPLETION DATE: 1/15/2014

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2007 Edition 2008 Addenda APPENDIX II - MANDATORY

FORM NIS-1

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

- 1. Owner: <u>CP&L, Inc, Dba Duke Energy Progress, Inc., 526 S. Church Street, Charlotte, NC,</u> 28201 (Name and Address of Owner)
- 2. Plant: <u>H.B. Robinson, 3581 West Entrance Rd., Hartsville, SC 29550</u> (Name and Address of Plant)

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3. Plant Unit : 2

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- 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
Boron Injection Tank	Southern Fabricators	S/N 0049	N/A	#368
Residual Removal Heat Exchanger *A*	Atlas Industries Mfg. Co.	#881	N/A	#731
Piping	Ebasco Services	N/A	N/A	N/A
Piping	Maintenance	N/A	N/A	N/A

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Form NIS-1 SECTION XI - DIVISION 1 2007 Edition 2008 Addenda

FORM NIS-1 (Back)

- 8. Examination Dates 3/19/2012 to_____to____ 11/5/2013
- 9. Inspection Period Identification: Period 1 (7/20/2012 / 7/19/2015)
- 7/19/2021 10. Inspection Interval from: 7/20/2012 to
- 11. Applicable Editions of Section XI: 2007 Edition, thru 2008 Addenda
- 12. Date / Revision of the Inspection Plan: 8/13/2013 Revision 1
- 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

115/2014 Signed: Duke Energy - Progress, Inc. By: Mulu Date:

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT have inspected the components described in this Owner's Report during the period 3/19/2012 to 11/05/2013 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.

NB 13930 SC 264 ANII

EMOSTINA- AVOULU Commissions Inspector's Signature National Board, State, Province, and Endorsement Date: 01113 กป

1.0 ABSTRACT

- 1.1 This report presents the results of the Inservice Inspection of the Fifth Interval, First Period, First Outage, for refueling outage number twenty-eight (RO-28) at the H. B. Robinson Unit 2 Nuclear Station. 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, 2007 Edition, thru 2008 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 Duke Energy - Progress, Inc., AREVA, and Westinghouse, during RO-28 (9/14/2013 thru 11/05/2013) and from the last NIS-1 Report ending on 3/18/2012. The Fifth Interval, First Period examination percentage requirements are contained in Tab H, "Examination Percentage summary". Examination reports, sketches, examination limitations, consumable testing materials, personnel qualifications and calibration standards are retained by Duke Energy - Progress, Inc. on site. Detailed information for outage activities is contained in the "Inservice Inspection RO-28 Final Report". These reports may be obtained through the Duke Energy - Progress, Inc. plant document control services.

3.0 EDDY CURRENT EXAMINATION

3.1 Steam generator eddy-current testing was performed during refueling outage 28. Details of the examinations performed are contained in Tab A, "Steam Generator Eddy Current Summary".

4.0 INSERVICE EXAMINATION EVALUATION

4.1 The inservice inspection non-destructive examinations performed during RO-28 at H. B. Robinson, Unit 2 Nuclear Station were conducted in accordance with the RO-28 outage plan derived from the Fifth Ten Year Inservice Inspection Program and Plan. This plan meets the requirements of ASME Section XI as defined in the 2007 Edition, thru the 2008 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 Fifth Ten-Year Interval.

- 4.3 Ultrasonic, liquid penetrant and magnetic particle revealed no service-induced flaws exceeding the acceptance criteria of ASME Section XI, 2007 Edition, thru 2008 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, Duke Energy Progress, 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-28 are classified into one of the following categories:

Sat - No Rejectable Indications UnSat - Rejectable Indications

- 4.6 The Inservice Examination Summary (TAB B) itemize the components examined during RO-28. 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.
 - <u>Results</u> The results of the examination
 - System The system on which the component was examined
 - <u>ISO Number</u> The isometric drawing identifying the location of the component being examined.
 - Exam Date The date the examination was completed.

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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-28, ultrasonic examinations were conducted in accordance with NRC commitment ID 92R0362 for the steam generator feed water nozzles (79-13).

AUGMENT E-16 (N 722-1)

During refueling outage RO-28, the hot leg visual examination was performed to the examination requirements associated with ASME Code Case N-722-1 and N-770-1. In addition, the bottom mounted instrumentation was performed with to the examination requirements associated with ASME Code Case N-722-1 satisfactory results.

AUGMENT E-17 (N-770-1)

During refueling outage RO-28, the cold leg volumetric examination was performed on all three nozzles as required per ASME Code Case N-770-1, as modified by 10CFR50.55a. Examination results are unchanged from those indications identified in RO-25 and RO-27. In addition, a remote visual examination was performed on the hot leg dissimilar metal welds (3) with satisfactory results.

6.0 PRESERVICE EXAMINATION

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- 6.1 Preservice examination of ASME Code Class components were conducted at the H.B. Robinson Unit 2 Plant from the close of RO-27 (3/18/2012) to the close of RO-28 (November 5, 2013) were performed to the requirements of ASME Section XI 1995 Edition through 1996 Addenda up until July 19, 1012. On July 20, 2012 RNP entered the Fifth Ten Year Interval working to the 2007 Edition, through 2008 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 28 ISI Final Report and may be obtained through the Duke Energy Progress, Inc., H.B. Robinson Plant Document Control Services.

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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 RO-28 scope included items scheduled under the IWE/IWL Program (RNP-PM-006) and the IWE/IWL Plan (RNP-PM-007). Examination results are included in TAB F. Examination results, when required were entered into the corrective action program for disposition and corrective actions as necessary.

9.0 LINER RESTORATION PROJECT

9.1 Liner Restoration Project was also performed during RO-28. A total of 72 sheathing/insulation panels were removed, visual examinations were performed in accordance with relief request RR-01 and or RR-02, as identified in the IWE/IWL Program (RNP-PM-006) and the IWE/IWL Plan (RNP-PM-007). The results of those examinations are delineated in TAB G of this report.

9.2 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 every Refueling Outage, a number of the insulation and sheathing panels are 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.

During RFO-28 (2013), 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 nonconformance 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.

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

Given the magnitude of the containment internal surface area which exceeds 57,000 ft² or 2,200 panels of sheathing/insulated liner from ground level to more than 90 ft above the operating deck, it is impractical to conduct an immediate inspection of the entire containment metallic liner.

A total of 72 insulation and sheathing panels were removed during RFO-28 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 284ft. The effect of wall thinning due to corrosion and bulge on the ability of the metallic liner to perform its safety-related function were evaluated quantitatively (calculations RNP-C/STRU-1128, Rev. 6, "Minimum Allowable Containment Liner Thickness" and RNP-C/STRU-1130, Rev. 2. "Analysis of Containment Liner Bulge"). The analyses performed in calculations RNP-C/STRU-1128, Rev. 6 and RNP-C/STRU-1130, Rev. 2 enveloped the worst case of liner corrosion and bulge observed during RFO-28. The analyses which include induced stresses in the liner under normal operating and design accidental conditions, compared with the design code allowable stresses indicate that the metallic liner is fully operable and the presence of corrosion and/or bulge does not impact its integrity or ability to act as leak tight barrier. 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 RFO-28 is similar to the level observed during RFO-26 (2011) and previously evaluated corrosion found during RFO 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 liner insulation system specification 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. A corrective action through Engineering Change is planned to revise the original insulation and sheathing specification to indicate that the 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.

A feasibility study 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.

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A Preventative Maintenance (PM) program is also planned 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 original design condition.

9.3 Containment Concrete -- 50.55a(b)(2)(viii)(E)

50.55a(b)(2)(viii)(E)(1)

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Concrete component of the containment building was inspected and evaluated for potential structural distress and conditions that can affect the integrity of the building and its ability to perform its safety-related function.

50.55a(b)(2)(viii)(E)(2)

Areas inspected for concrete degradation during RFO-28 include the exterior surface of the containment cylindrical wall (azimuths 0-90°, 90°-180°, 180°-270°, 270°-0°) and the dome, Boron Injection Tank room, Equipment Hatch area between EI. 226ft and 252ft, Cable Vault Room, Pipe Alley, Purge Inlet room, Rod Control room, and the Airlock area.

Visual surface examination reports show that there is no major structural distress except some localized chemical leaching which resulted in staining of the concrete surface. Minimal concrete spalling was observed on the exterior of the containment cylindrical wall between azimuths 180° and 270°. Concrete staining and spalling observed will not affect the structural integrity of the containment building and its ability to perform its safety-related functions. The containment concrete areas inspected are fully operable and acceptable as-is.

50.55a(b)(2)(viii)(E)(3)

No corrective action is required or planned.

10.0 EXAMINATION PERCENTAGE SUMMARY

10.1 An examination summary is included in this report under TAB H identifying those examinations complete for the Fifth Ten year Interval first period and the remainder scheduled for the Interval

11.0 REPAIR AND REPLACEMENT PROGRAM

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- The H. B. Robinson Nuclear Station Repair and Replacement Program reporting 9.1 period from the close of RO-27 (3/18/2012) to the close of RO-28 (November 5, 2013) were performed to the requirements of ASME Section XI 1995 Edition through 1996 Addenda up until July 19, 1012. On July 20, 2012 RNP entered the Fifth Ten Year Interval working to the 2007 Edition, through 2008 Addenda. 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 I, of this Report.
 - 9.2 Work Order evolutions performed during RO-28 whose document review, approval and certification process was completed after the (Closure of the OCB - Output Circuit Breaker) which occurred on 11/5/2013 and were finalized by the established date of this report (1/15/2014) are included in this NIS-2 Summary Report. The remaining repair/replacement activities whose document review, approval and certification process was not completed by the established date of this report (1/15/2014) will be incorporated into the next NIS-2 Summary Report at the conclusion of RO-29.
 - 9.3 The enclosed repair and replacement summary (TAB I) and the attached ASME Section XI, NIS-2 forms (Attachment) 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.
 - The Owners Report for Repair/Replacement Activities, Form NIS-2 is provided as 9.4 an attachment to this report.

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INSERVICE INSPECTION REPORT

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REFUELING OUTAGE 28 INDEX OF EXAMINATIONS

TAB	ACTIVITY
Α	STEAM GENERATOR EDDY CURRENT SUMMARY
в	INSERVICE EXAMINATION SUMMARY
С	AUGMENTED EXAMINATION SUMMARY
D	PRESERVICE EXAMINATION SUMMARY
E	PRESSURE TEST SUMMARY
F	WE/IWL EXAMINATION SUMMARY
G	LINER RESTORATION PROJECT SUMMARY
н	EXAMINATION PERCENTAGE SUMMARY
ł	REPAIR / REPLACEMENT SUMMARY

ATTACHMENT

REPAIR/REPLACEMENT NIS-2 FORMS

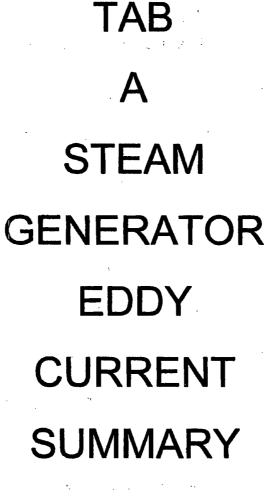
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ABSTRACT

The following summarizes the examination and results of the inspection that was performed by AREVA during the H. B. Robinson Unit 2 RFO28 Fall 2013 outage.

The eddy current examinations were performed utilizing Bobbin, Array (X-Probe), and MRPC probes. The site specific eddy current detection and sizing techniques used to perform the examinations were based on EPRI Revision 7 qualified techniques.

The following table summarizes inspection scope;

SG	Scope	Exams
Α	Total All Base Scope Programs	5651
Α	Total Diagnostic Scope Programs	15
A	Total Tests All Programs	5666
В	Total All Base Scope Programs	5785
В	Total Diagnostic Scope Programs	32
В	Total Tests All Programs	5817
С	Total All Base Scope Programs	5678
С	Total Diagnostic Scope Programs	40
С	Total Tests All Programs	5718
All	Combined Total All Tests All Programs	17201

The following is a summary of new indications and mitigating actions;

SG	New Wear Indications	Tubes Plugged	Wear > TS limit*
SG-A	8	2	0
SG-B	10	2	0
SG-C	8	0	0

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TAB B INSERVICE

EXAMINATION SUMMARY

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Summary No.	Comp. ID	Comp. Desc.	ltem	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
Class 1	Category B-D							
31200	105/INLET	S/G "A" HOT LEG NOZZLE INNER RADIUS	B3.140	NDEP-0611	VT / VT-13-046 / Sat	3005	HBR2-10618 SH00006	10/11/2013
Comments	: A visual examination v	was performed on the component inner radius to the ASM	E Section X	I, 1998 Edition a	as required by 10CFR50.55a(b)(2)	(xxi)(A) with	satisfactory results.	
31300	105/OUTLET	S/G "A" COLD LEG NOZZLE INNER RADIUS		NDEP-0611	VT / VT-13-047 / Sat	3005	HBR2-10618 SH00006	10/8/2013
Comments	: A visual examination v	was performed on the component inner radius to the ASM	IE Section X	1, 1998 Edition a	as required by 10CFR50.55a(b)(2)	(xod)(A) with	satisfactory results.	
Class 1	Category B-G-2							
1000	105/CL-MNY-BLT	S/G "A" COLD LEG MANWAY BOLTING	B7.30	NDEP-0611	VT / VE-13-003 / Sat	2005	HBR2-10618 SH00006	6/5/2013
Comments	: A visual examination v	was performed on the disassembled component bolted co	nnection to	the requirement	s of ASME Section XI, 2007 Edition	n thru 2008 /	Addenda with satisfactory	results.
1100	105/HL-MNY-BLT	S/G "A" HOT LEG MANWAY BOLTING	87.30	NDEP-0611	VT / VE-13-001 / Sat	2005	HBR2-10618 SH00006	6/5/2013
Comments	: A visual examination v	was performed on the disassembled component bolted co	nnection to	the requirement	s of ASME Section XI, 2007 Edition	n thru 2008 /	Addenda with satisfactory	results.
3400	122/CVC-312A(B)	VALVE CVC-312A BOLTING	87.70	NDEP-0611	VT / VT-13-283 / Sat	2060	HBR2-10618 SH00032	10/9/2013
		was performed on the disassembled component bolled co						
Commissiona				ne inquicitient			wachda mai sansiaciory	163488.
38100	124/CVC-312B(B)	VALVE CVC-312B BOLTING	B7.70	NDEP-0611	VT / VT-13-002 / Sat	2060	HBR2-10618 SH00036	10/11/2013
S8100 Comments							HBR2-10618 SH00036 Addenda with satisfactory	10/11/2013 results.
		VALVE CVC-312B BOLTING was performed on the disassembled component bolted co						
Comments	: A visual examination v							
Comments	Category B-J	was performed on the disassembled component bolted co		the requirement	s of ASME Section XI, 2007 Editio	n thru 2008 /	Addenda with satisfactory	results.
Comments	Category B-J		onnection to	the requirement	s of ASME Section XI, 2007 Edition PT / PT-13-019 / Sat	2005	Addenda with satisfactory HBR2-10618 SH00010	results.
Comments	Category B-J	was performed on the disassembled component bolted co	onnection to	the requirement	s of ASME Section XI, 2007 Editio PT / PT-13-019 / Sat UT / UT-13-009 (Page 1) / Sat	n thru 2008 /	Addenda with satisfactory	results. 10/7/2013 10/8/2013
Comments	Category B-J	was performed on the disassembled component bolted co	onnection to	NDEP-0201 NDEP-0449	s of ASME Section XI, 2007 Editio PT / PT-13-019 / Sat UT / UT-13-009 (Page 1) / Sat UT / UT-13-009 (Page 2) / Sat	2005 2005	Addenda with satisfactory HBR2-10618 SH00010 HBR2-10618 SH00010	results.
Comments Class 1 6000	A visual examination v Category B-J 107/06	was performed on the disassembled component bolted co LOOP "A" CROSSOVER LEG ELBOW TO PIPE	B9.11	NDEP-0201 NDEP-0449 NDEP-0449 NDEP-0449 NDEP-0449 ments of ASME	s of ASME Section XI, 2007 Edition PT / PT-13-019 / Sat UT / UT-13-009 (Page 1) / Sat UT / UT-13-009 (Page 2) / Sat UT / UT-13-009 (Page 3) / Sat Section XI, 2007 Edition thru 2008	2005 2005 2005 2005 2005 2005 3 Addenda w	Addenda with satisfactory HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010	results. 10/7/2013 10/8/2013 10/8/2013 10/8/2013
Comments iass 1 6000 Comments	A visual examination v Category B-J 107/06	was performed on the disassembled component bolted co	B9.11	NDEP-0201 NDEP-0449 NDEP-0449 NDEP-0449 NDEP-0449 ments of ASME	s of ASME Section XI, 2007 Edition PT / PT-13-019 / Sat UT / UT-13-009 (Page 1) / Sat UT / UT-13-009 (Page 2) / Sat UT / UT-13-009 (Page 3) / Sat Section XI, 2007 Edition thru 2008	2005 2005 2005 2005 2005 2005 3 Addenda w	Addenda with satisfactory HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010	results. 10/7/2013 10/8/2013 10/8/2013 10/8/2013
Comments iass 1 6000 Comments	A visual examination v Category B-J 107/06 A volumetric and surfa examination was limite	was performed on the disassembled component bolted co LOOP "A" CROSSOVER LEG ELBOW TO PIPE to examination was performed on the component weld to ad to 73.325% code required volume and will be submitted	B9.11 B9.11 b the require d under relie	NDEP-0201 NDEP-0449 NDEP-0449 NDEP-0449 NDEP-0449 ments of ASME f request RR-09	s of ASME Section XI, 2007 Edition PT / PT-13-019 / Sat UT / UT-13-009 (Page 1) / Sat UT / UT-13-009 (Page 2) / Sat UT / UT-13-009 (Page 3) / Sat Section XI, 2007 Edition thru 2008) (future) at the end of the fifth inter	2005 2005 2005 2005 2005 2005 3 Addenda w val.	Addenda with satisfactory HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 ith satisfactory results. Th	results. 10/7/2013 10/8/2013 10/8/2013 10/8/2013 is
Comments Class 1 6000 Comments 6600	A visual examination v Category B-J 107/06 A volumetric and surfa examination was limits 107/12	was performed on the disassembled component bolted co LOOP "A" CROSSOVER LEG ELBOW TO PIPE to examination was performed on the component weld to ad to 73.325% code required volume and will be submitted	B9.11 B9.11 b the require d under relie B9.11	NDEP-0201 NDEP-0449 NDEP-0449 NDEP-0449 ments of ASME f request RR-09 NDEP-0201 NDEP-0425	s of ASME Section XI, 2007 Edition PT / PT-13-019 / Sat UT / UT-13-009 (Page 1) / Sat UT / UT-13-009 (Page 2) / Sat UT / UT-13-009 (Page 3) / Sat Section XI, 2007 Edition thru 2008 (future) at the end of the fifth inter PT / PT-13-021 / Sat UT / UT-13-011 / Sat	2005 2005 2005 2005 2005 3 Addenda w val. 2005 2005	Addenda with satisfactory HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 ith satisfactory results. Th HBR2-10618 SH00010 HBR2-10618 SH00010	10/7/2013 10/8/2013 10/8/2013 10/8/2013 11/8/2013
Comments class 1 6000 Comments: 6600 Comments:	A visual examination v Category B-J 107/06 A volumetric and surfa examination was limits 107/12	LOOP "A" CROSSOVER LEG ELBOW TO PIPE to examination was performed on the component weld to ad to 73.325% code required volume and will be submitted LOOP "A" COLD LEG PIPE TO PIPE	B9.11 B9.11 b the require d under relie B9.11	NDEP-0201 NDEP-0449 NDEP-0449 NDEP-0449 ments of ASME f request RR-09 NDEP-0201 NDEP-0425	s of ASME Section XI, 2007 Edition PT / PT-13-019 / Sat UT / UT-13-009 (Page 1) / Sat UT / UT-13-009 (Page 2) / Sat UT / UT-13-009 (Page 3) / Sat Section XI, 2007 Edition thru 2008 (future) at the end of the fifth inter PT / PT-13-021 / Sat UT / UT-13-011 / Sat	2005 2005 2005 2005 2005 3 Addenda w val. 2005 2005	Addenda with satisfactory HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 ith satisfactory results. Th HBR2-10618 SH00010 HBR2-10618 SH00010	10/7/2013 10/8/2013 10/8/2013 10/8/2013 11/8/2013
Comments Class 1 66000 Comments Class 1	A visual examination v Category B-J 107/06 A volumetric and surfa examination was limite 107/12 A volumetric and surfa	LOOP "A" CROSSOVER LEG ELBOW TO PIPE to examination was performed on the component weld to ad to 73.325% code required volume and will be submitted LOOP "A" COLD LEG PIPE TO PIPE	B9.11 B9.11 b the require d under relie B9.11 b the require	NDEP-0201 NDEP-0449 NDEP-0449 NDEP-0449 ments of ASME f request RR-09 NDEP-0201 NDEP-0425	s of ASME Section XI, 2007 Edition PT / PT-13-019 / Sat UT / UT-13-009 (Page 1) / Sat UT / UT-13-009 (Page 2) / Sat UT / UT-13-009 (Page 3) / Sat Section XI, 2007 Edition thru 2008 (future) at the end of the fifth inter PT / PT-13-021 / Sat UT / UT-13-011 / Sat	2005 2005 2005 2005 2005 3 Addenda w val. 2005 2005	Addenda with satisfactory HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 ith satisfactory results. Th HBR2-10618 SH00010 HBR2-10618 SH00010	results. 10/7/2013 10/8/2013 10/8/2013 10/8/2013 10/8/2013 10/8/2013
Comments Class 1 26000 Comments: 26600 Comments: Class 1 32500	A visual examination v Category B-J 107/06 A volumetric and surfa examination was limite 107/12 A volumetric and surfa Category B-N-1 101/GROUP 2	was performed on the disassembled component bolted co LOOP "A" CROSSOVER LEG ELBOW TO PIPE to examination was performed on the component weld to ad to 73.325% code required volume and will be submitted LOOP "A" COLD LEG PIPE TO PIPE to examination was performed on the component weld to CORE BARREL	B9.11 B9.11 b the require d under relie B9.11 b the require B13.10	NDEP-0201 NDEP-0449 NDEP-0449 NDEP-0449 ments of ASME f request RR-09 NDEP-0201 NDEP-0201 NDEP-0425 ments of ASME	s of ASME Section XI, 2007 Edition PT / PT-13-019 / Sat UT / UT-13-009 (Page 1) / Sat UT / UT-13-009 (Page 2) / Sat UT / UT-13-009 (Page 3) / Sat Section XI, 2007 Edition thru 2008 (future) at the end of the fifth inter PT / PT-13-021 / Sat UT / UT-13-011 / Sat Section XI, 2007 Edition thru 2008 VT / VT-13-281 / Eval	2005 2005 2005 2005 2005 3 Addenda w val. 2005 2005 2005 2005 2005 2005 2005	Addenda with satisfactory HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00001	results. 10/7/2013 10/8/2013 10/8/2013 10/8/2013 10/8/2013 10/8/2013 10/8/2013
Comments iass 1 6000 Comments 6600 Comments iass 1 32500	A visual examination v Category B-J 107/06 A volumetric and surfa examination was limite 107/12 A volumetric and surfa Category B-N-1 101/GROUP 2 A remote underwater v	was performed on the disassembled component bolted co LOOP "A" CROSSOVER LEG ELBOW TO PIPE the examination was performed on the component weld to ad to 73.325% code required volume and will be submitted LOOP "A" COLD LEG PIPE TO PIPE the examination was performed on the component weld to CORE BARREL visual examination was performed on the reactor vessel in somed using a deep ocean engineering P150 high resolution	B9.11 b) the require d) under relie B9.11 b) the require B13.10 hterior to the	NDEP-0201 NDEP-0449 NDEP-0449 NDEP-0449 MDEP-0449 frequest RR-09 NDEP-0425 ments of ASME NDEP-0425 ments of ASME	s of ASME Section XI, 2007 Edition PT / PT-13-019 / Sat UT / UT-13-009 (Page 1) / Sat UT / UT-13-009 (Page 2) / Sat UT / UT-13-009 (Page 3) / Sat Section XI, 2007 Edition thru 2008 (future) at the end of the fifth inter PT / PT-13-021 / Sat UT / UT-13-011 / Sat Section XI, 2007 Edition thru 2008 VT / VT-13-281 / Eval / ASME Section XI, 2007 Edition th	2005 2005 2005 2005 2005 2005 3 Addenda w val. 2005 2005 2005 2005 2005 2005 2005 200	Addenda with satisfactory HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00010 HBR2-10618 SH00001 HBR2-10618 SH00001	results. 10/7/2013 10/8/2013 10/8/2013 10/8/2013 10/8/2013 10/8/2013 10/8/2013 sults.

Summary No.	Comp. ID	Comp. Desc.	item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
Class 2	Category C-C		······					
85000	204/AWS-1-ATT	WELDED ATTACHMENT	C3.10	NDEP-0201	PT / PT-13-001 / Sat	2045	HBR2-10618 SH00060	10/10/2013
Comments		was performed on the component weld surface coverage (75%) and will be in				Addenda w	ith satisfactory results. Th	nis
72300	212/MS-1A-6017-ATT	WELDED ATTACHMENT	C3.20	NDEP-0301	MT / MT-13-001 / Sat	3020	HBR2-10618 SH00071	10/2/2013
Class 2		vas performed on the component welde arage (88.9%) and will be incorporated						
24200	221/165	TEE TO PIPE	C5.11	NDEP-0201	PT / PT-13-002 / Sat	2045	HBR2-10618 SH00082	10/8/2013
	2211103		QU.11	NDEP-0425	UT / UT-13-006 (Page 1) / Sat	2045	HBR2-10618 SH00082	10/8/2013
·	. * · · · · · ·			NDEP-0425	UT / UT-13-006 (Page 2) / Sat	2045	HBR2-10618 SH00082	10/8/2013
				NDEP-0425	UT / UT-13-006 (Page 3) / Sat	2045	HBR2-10618 SH00082	10/8/2013
Comments:	A volumetric and surface	e examination was performed on the co	omponent weld to the require	ments of ASME		l Addenda w	ith satisfactory results.	
24300	221/166	PIPE TO ELBOW	C5.11	NDEP-0201	PT / PT-13-003 / Sat	2045	HBR2-10618 SH00082	10/8/2013
•	:			NDEP-0425	UT / UT-13-007 (Page 1) / Sat	2045	HBR2-10618 SH00082	10/8/2013
	- · ·			NDEP-0425	UT / UT-13-007 (Page 2) / Sat	2045	HBR2-10618 SH00082	10/8/2013
				NDEP-0425	UT / UT-13-007 (Page 3) / Sat	2045	HBR2-10618 SH00082	10/8/2013
Comments:	A volumetric and surface	e examination was performed on the co	imponent weld to the require	ments of ASME	Section XI, 2007 Edition thru 2008	Addenda w	ith satisfactory results.	
47100	229/01	TEE TO PIPE	C5.11	NDEP-0201	PT / PT-13-004 / Sat	2080	HBR2-10618 SH00091	10/3/2013
				NDEP-0425	UT / UT-13-004 (Page 1) / Sat	2080	HBR2-10618 SH00091	10/3/2013
·	· .			NDEP-0425	UT / UT-13-004 (Page 2) / Sat	2080	HBR2-10618 SH00091	10/3/2013
				NDEP-0425	UT / UT-13-004 (Page 3) / Sat	2080	HBR2-10618 SH00091	10/3/2013
•				NDEP-0425	UT / UT-13-004 (Page 4) / Sat			

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	comments:	A volumetric	and surface examination was performed on the component we	ld to the require	ements of ASME	Section XI, 2007 Edition thru 2008	Addend	a with satisfactory results.	
294	200	240/27	PIPE TO ELBOW	C5.21	NDEP-0201	PT / PT-13-016 / Sat	2080	HBR2-10618 SH00106	10/3/2013
	· · ·	·· ·	. .		NDEP-0425	UT / UT-13-005 (Page 1) / Sat	2080	HBR2-10618 SH00106	10/3/2013
					NDEP-0425	UT / UT-13-005 (Page 2) / Sat	2080	HBR2-10618 SH00106	10/3/2013
					NDEP-0425	UT / UT-13-005 (Page 3) / Sat	2080	HBR2-10618 SH00106	10/3/2013
					NDEP-0425	UT / UT-13-005 (Page 4) / Sat	2080	HBR2-10618 SH00106	10/3/2013
c	ómments:	A volumetric	and surface examination was performed on the component wel	d to the requir	ements of ASME	Section XI, 2007 Edition thru 2008	Addend	a with satisfactory results.	
309	400	244/02	VALVE SI 666B TO PIPE	C5.30	NDEP-0201	PT / PT-13-018 / Sat	2080	HBR2-10618 SH00110	10/7/2013
C	omments:	A surface ex	amination was performed on the component weld to the require	ements of ASM	E Section XI, 20	07 Edition thru 2008 Addenda with	satisfact	ory results.	

Class 2 Category F-A

164600	202/WS-1	BIT TANK SUPPORT LEG	F1.40 NDEP-0613	VT / VT-13-005 / Sat	2080 HBR2-11	0618 SH00058 10/4/2013				
Comments:	Comments: A visual examination was performed on the component support to the requirements of ASME Section XI, 2007 Edition thru 2008 Addenda with satisfactory results.									
176800	212/MS-1A-6017	WELDED SPRING SUPPORT	F1.20C NDEP-0613	VT / VT-13-006 / Sat	3020 HBR2-10	0618 SHT 71 10/2/2013				
Comments:	Comments: A visual examination was performed on the component support to the requirements of ASME Section XI, 2007 Edition thru 2008 Addenda with satisfactory results.									

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Summary No.	Comp. ID	Comp, Desc.	ltern	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
182700	213/MS-18-1003	WELDED BOX RESTRAINT	F1.20B	NDEP-0613	VT / VT-13-007 / Sat	3020	HBR2-10618 SH00072	9/23/2013
Comments:	A visual examination w	as performed on the component support to ti	e requirements of ASM	E Section XI, 20	07 Edition thru 2008 Addenda with	n satisfactory	results.	
231500	221A/SI-20-186	WELDED BOX RESTRAINT	F1.20B	NDEP-0613	VT / VT-13-008 / Sat	2045	HBR2-10618 SH00083	10/3/2013
Comments:	A visual examination w	as performed on the component support to the	e requirements of ASM	E Section XI, 20	07 Edition thru 2008 Addenda with	n satisfactory	results.	
237200	221B/SI-20-247	WELDED BOX RESTRAINT	F1.20B	NDEP-0301	MT / MT-13-004 / Sat	2045	HBR2-10618 SH00084	10/4/2013
: · ·		·		NDEP-0613	VT / VT-13-009 / Sat	2045	HBR2-10618 SH00084	10/3/2013
Comments:		as performed on the component support to I nd a magnetic particle examination was perfo				satisfactory	results. A linear indicati	on in the weld
261100	232/SI-9-N-21	WELDED SADDLE SUPPORT	F1.20A	NDEP-0613	VT / VT-13-010 / Sat	2080C	HBR2-10618 SH00094	9/16/2013
Comments:	A visual examination w	as performed on the component support to th	e requirements of ASM	E Section XI, 20	07 Edition thru 2008 Addenda with	n satisfactory	results.	
270800	233/SI-20-6086	ROD HANGER	F1.20A	NDEP-0613	VT / VT-13-011 / Sat	2080	HBR2-10618 SH00096	10/2/2013
Comments:	A visual examination w	as performed on the component support to th	e requirements of ASM	E Section XI, 20	07 Edition thru 2008 Addenda with	satisfactory	results.	
270900	233/SI-20-935	CLOSED BOX RESTRAINT	F1.20B	NDEP-0613	VT / VT-13-012 / Sat	2080	HBR2-10618 SH00096	10/2/2013
Comments:	A visual examination w	as performed on the component support to th	e requirements of ASM	E Section XI, 20	07 Edition thru 2008 Addenda with	n satisfactory	results.	
271100	233/SI-20-944	WELDED BOX RESTRAINT	F1.20B	NDEP-0613	VT / VT-13-013 / Sal	2080	HBR2-10618 SH00096	10/2/2013
Comments:	A visual examination w	as performed on the component support to the	e requirements of ASM	E Section XI, 20	07 Edition thru 2008 Addenda with	satisfactory	results:	
272600	233/S1-20A-85/1	STRUT RESTRAINT	F1.20B	NDEP-0613	VT / VT-13-014 / Sat	2080	HBR2-10618 SH00096	10/2/2013
Comments:	A visual examination w	as performed on the component support to the	e requirements of ASM	E Section XI, 20	07 Edition thru 2008 Addenda with	satisfactory	results.	
276300	234/SI-10-8	WELDED BOX RESTRAINT	F1.208	NDEP-0613	VT / VT-13-015 / Sat	2080C	HBR2-10618 SH00097	9/16/2013
Comments:	A visual examination wa	as performed on the component support to the	e requirements of ASM	E Section XI, 20	07 Edition thru 2008 Addenda with	satisfactory	results.	
288100	239/SI-4-6054	ROD HANGER	F1.20A	NDEP-0613	VT / VT-13-016 / Sat	2080	HBR2-10618 SH00105	10/2/2013
Comments:	A visual examination wi	as performed on the component support to th	e requirements of ASMI	E Section XI, 20	07 Edition thru 2008 Addenda with	satisfactory	results.	
301400.	241/SI-4-89	PIPE CLAMP BOX RESTRAINT	F1.20B	NDEP-0613	VT / VT-13-017 / Sat	2080	HBR2-10618 SH00107	10/2/2013
Comments:	A visual examination w	as performed on the component support to th	e requirements of ASM	E Section XI, 20	07 Edition thru 2008 Addenda with	satisfactory	results.	
302000	241/SI-4-6112	WELDED SPRING SUPPORT	F1.20C	NDEP-0613	VT / VT-13-018 / Sat	2080	HBR2-10618 SH00107	10/12/2013
Comments:	A visual examination wa	as performed on the component support to th	e requirements of ASM	E Section XI, 20	07 Edition thru 2008 Addenda with	satisfactory	results.	
529100	265/FW-2-6014	ANGLE IRON SUPPORT	F1.20A	NDEP-0613	VT / VT-13-282 / Sat	3065	HBR2-10618 SH00233	10/8/2013
Comments:	A visual examination wa	as performed on the component support to th	e requirements of ASM	E Section XI, 20	07 Edition thru 2008 Addenda with	satisfactory	results.	

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Summary No.	Comp. ID	Comp. Desc.	item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Da
Class 3	Category D-A							
38700	303/A-WS-1-ATT	WELDED ATTACHMENT	D1.10	NDEP-0611	VT / VT-13-019 / Sat	4080	HBR2-10618 SH00116	10/10/201
Comments	: A visual examination v	was performed on the component weided attack	nment to the requirement	nts of ASME S	Section XI, 2007 Edition thru 200	8 Addenda with	satisfactory results.	
38700	306/A-WS-1-ATT	WELDED ATTACHMENT	D1.10	NDEP-0611	VT / VT-13-022 / Sat	4060	HBR2-10618 SH00119	10/11/201
Comments	: A visual examination w	was performed on the component welded attact	ment to the requirement	nts of ASME S	Section XI, 2007 Edition thru 200	8 Addenda with	satisfactory results.	
40900	313A/SW-14-825-ATT	WELDED ATTACHMENT	D1.20	NDEP-0611	VT / VT-13-025 / Eval	4060	HBR2-10618 SH00127	10/14/201
Comments		was performed on the component support to the 535 evaluated the condition as acceptable as is		E Section XI, 2	2007 Edition thru 2008 Addenda	with unsatisfacto	ory results. Loose ancho	r boit was
valuation Disposition		continued degradation from 2006 and that any e nt condition and can be considered operable.	xisting rust is located o	n one extreme	e edge of the baseplate outside o	of the anchor bo	lts, thrust block support S	SW-14-825
81000.	326/AC-3-6260-ATT	WELDED ATTACHMENT	D1.20	NDEP-0611	VT / VT-13-032 / Sat	4080	HBR2-10618 SH00140	9/23/2013
Comments:	: A visual examination w	was performed on the component welded attach	ment to the requirement	nts of ASME S	Section XI, 2007 Edition thru 200	8 Addenda with	satisfactory results.	
lass 3	Category F-A			-			· ·	
37100	303/A-WS-1	COMPONENT COOLING WATER HTX A	F1.40	NDEP-0613	VT / VT-13-020 / Sat	4080	HBR2-10618 SH00116	10/10/201
Comments:	: A visual examination w	vas performed on the component support to the	requirements of ASME	Section XI, 2	2007 Edition thru 2008 Addenda	with satisfactory	results.	
37200	303/A-WS-2	COMPONENT COOLING WATER HTX A	F1.40	NDEP-0613	VT / VT-13-021 / Eval	4080	HBR2-10618 SH00116	10/10/20
	reviewed and since the	aseptate and the concrete pedestal. The grout i a grout is not accounted for in the structural des s is, no additional corrective actions are require	lign the cracked grout h	as no effect o	n the anchorage. The cracked/cl	nipped grout is a	considered to be cosmetl	c and is
38900	306/A-WS-1	NON REGEN HTX NORTH SUPPORT	F1.40	NDEP-0613	VT / VT-13-023 / Sat	4060	HBR2-10618 SH00119	10/10/201
Comments:	: A visual examination w	vas performed on the component support to the	requirements of ASME	Section XI, 2	007 Edition thru 2008 Addenda	with satisfactory	y results.	
39000	306/A-WS-2	NON REGEN HTX WEST SUPPORT	the second s	NDEP-0613	VT / VT-13-024 / Sat	4060	HBR2-10618 SH00119	10/10/201
Comments:	A visual examination w	vas performed on the component support to the	requirements of ASME	Section XI, 2	007 Edition thru 2008 Addenda v	with satisfactory		
11100	313A/SW-13-1001	SADDLE SUPPORT	F1.30B	NDEP-0613	VT / VT-13-026 / Sat	4060	HBR2-10618 SH00127	10/12/201
Comments:	: A visual examination w	vas performed on the component support to the	requirements of ASME	Section XI, 2	007 Edition thru 2008 Addenda v	with satisfactory	results.	
1200	313A/SW-13-1055	SADDLE SUPPORT	F1.30B	NDEP-0613	VT / VT-13-027 / Sat	4060	HBR2-10618 SH00127	10/12/201
Comments:	A visual examination w	as performed on the component support to the	requirements of ASME	Section XI, 2	007 Edition thru 2008 Addenda v	vith satisfactory	results.	
	313A/SW-13-56	STRUT RESTRAINT		NDEP-0613	VT / VT-13-028 / Sat		HBR2-10618 SH00127	10/12/201
Comments:	A visual examination w	as performed on the component support to the	requirements of ASME	Section XI, 2	007 Edition thru 2008 Addenda v	vith satisfactory	results.	
1900	313A/SW-14-115	CLOSED BOX RESTRAINT	F1.30B	NDEP-0613	VT / VT-13-029 / Sat	4060	HBR2-10618 SH00127	10/11/201
Comments:	A visual examination w	as performed on the component support to the	requirements of ASME	Section XI, 2	007 Edition thru 2008 Addends v			
	313A/SW-14-25	PEDESTAL SUPPORT		NDEP-0613	VT / VT-13-030 / Sat		HBR2-10618 SH00127	
								10/11/201
	: A visual examination w	as performed on the component support to the	requirements of ASME	Section XI, 2	007 Edition thru 2008 Addenda v		results.	10/11/20

Summary No.	Comp. ID	Comp. Desc.	ltern	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
342700	313A/SW-14-825	WELDED THRUST BLOCK SUPPORT	F1.30B	NDEP-0613	VT / VT-13-031 / Eval	4060	HBR2-10618 SH00127	10/14/2013
	between the stanchion	ras performed on the component support to the requir plate and shim. Rust present on west edge embed pl adges of stanchion plate where angle iron guides are (late. Rust prese	nt on lower 1.5	of embed plate. Rust in minor an	d major diam		
Evaluation	Based on the lack of cr	ontinued degradation from 2006 and that any existing	rust is located	on one extreme	edge of the baseplate outside of the	he anchor bo	lis, thrust block support S	W-14-825 is
		t condition and can be considered operable.						
	326/AC-3-150/1	WELDED ANCHOR	F1.30B	NDEP-0613	VT / VT-13-033 / Sat	4080	HBR2-10618 SH00140	9/23/2013
	A visual examination w	as performed on the component support to the requir	ements of ASM	E Section XI. 2	007 Edition thru 2008 Addenda wit	h satisfactory	results.	
382100	326/AC-3-6260	WELDED ANCHOR	. F1.30B	NDEP-0613	VT / VT-13-034 / Sat	4080	HBR2-10618 SH00140	9/23/2013
	A visual examination w	as performed on the component support to the requir	ements of ASM	E Section XI. 2	007 Edition thru 2008 Addenda wit	h satisfactory	results.	
	327/A-WS	WELDED STANCHION		NDEP-0613	VT / VT-13-035 / Sat	4080	HBR2-10618 SH00141	10/10/2013
	A visual examination w	as performed on the component support to the requir	ements of ASM	E Section XI. 2	007 Edition thru 2008 Addenda wit	h satisfactory	results.	
	330/AC-15-60	WELDED SADDLE SUPPORT		NDEP-0613	VT / VT-13-036 / Sat	7110	HBR2-10618 SH00144	9/16/2013
Comments:	A visual examination w	as performed on the component support to the requir	ements of ASM	E Section XI, 2	007 Edition thru 2008 Addenda wit	h satisfactory	results.	•
	331A/C-1-M	WALL RESTRAINT		NDEP-0613	VT / VT-13-037 / Sat	3065	HBR2-10618 SH00146	10/17/2013
Comments:	A visual examination w	as performed on the component support to the require	ements of ASM	E Section XI, 2	007 Edition thru 2008 Addenda wit	h satisfactory	results.	
396900	3318/C-1-795	CLEVIS ROD HANGER	F1.30A	NDEP-0613	VT / VT-13-038 / Sat	3065	HBR2-10618 SH00147	10/17/2013
Comments:	A visual examination w	as performed on the component support to the requir	ements of ASM	E Section XI, 2	007 Edition thru 2008 Addenda wit	h satisfactory	results.	
398900	332/FW-6A-1007	WELDED SNUBBER 28	F1.30C	NDEP-0613	VT / VT-13-039 / Sat	3050	HBR2-10618 SH00148	10/9/2013
Comments:	A visual examination w	as performed on the component support to the requin	ements of ASM	E Section XI, 2	007 Edition thru 2008 Addenda wit	h satisfactory	results.	
399000	332/FW-6A-9	WELDED STRUT RESTRAINT	F1.30B	NDEP-0613	VT / VT-13-040 / Sat	3050	HBR2-10618 SH00148	10/9/2013
Comments:	A visual examination w	as performed on the component support to the require	ements of ASM	E Section XI, 20	007 Edition thru 2008 Addenda wit	h satisfactory	results.	
403100	334A/FW-1-1225	HORIZONTAL STRUT RESTRAINT	F1.30B	NDEP-0613	VT / VT-13-041 / Sat	3050	HBR2-10618 SH00151	10/9/2013
Comments:	A visual examination w	as performed on the component support to the require	ements of ASM	E Section XI, 2	007 Edition thru 2008 Addenda wit	h satisfactory	results.	
406300	3348/FW-2-218	OPEN BOX RESTRAINT	F1.30B	NDEP-0613	VT / VT-13-042 / Sat	3065	HBR2-10618 SH00152	10/9/2013
Comments:	A visual examination w	as performed on the component support to the require	ements of ASM	E Section XI, 20	007 Edition thru 2008 Addenda witi	h satisfactory	results.	
409200	343/A-WS-1	MDAFW PUMP A	F1.40	NDEP-0613	VT / VT-13-043 / Sal	3065	HBR2-10618 SH00161	10/10/2013
Comments:	A visual examination w	as performed on the component support to the require	ements of ASM	E Section XI, 2	007 Edition thru 2008 Addenda with	h satisfactory	results.	
409300	343/A-WS-2	MDAFW PUMP A	F1.40	NDEP-0613	VT / VT-13-044 / Sat	3065	HBR2-10618 SH00161	10/10/2013
Comments: /	A visual examination wa	as performed on the component support to the require	ements of ASM	E Section XI, 20	007 Edition thru 2008 Addenda wit	h satisfactory	results.	
409800	344/A-WS	SFPC PUMP A	F1.40	NDEP-0613	VT / VT-13-045 / Sat	7110	HBR2-10618 SH00162	9/16/2013
		as performed on the component support to the require						

AUGMENTED EXAMINATION

TAB

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SUMMARY

Summary No.	Comp. ID	Comp. Desc.	ltem	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
Class 1	Category A	UGMENT (N-722-1)					-	
3501	101/PEN 01	BOTTOM MOUNTED INSTRUMENTATION PE	EN 1 E-16	NDEP-0612	VT / VT-13-048 / Sat	1005	HBR2-10618 SH00001	9/27/2013
Comments:		mination was performed on the bottom mounted i ia(g)(6)(ii)(E) with satisfactory results.	nstrumentation su	irface to the rec	uirements of ASME Section	XI Code Cas	e N-722-1 as required per	
3502		BOTTOM MOUNTED INSTRUMENTATION PE			VT / VT-13-049 / Sal	1005	HBR2-10618 SH00001	9/27/2013
		mination was performed on the bottom mounted i ia(g)(6)(ii)(E) with satisfactory results.	nstrumentation su	inface to the rec	uirements of ASME Section	XI Code Cas	e N-722-1 as required per	
3503		BOTTOM MOUNTED INSTRUMENTATION PE			VT / VT-13-050 / Sat	1005	HBR2-10618 SH00001	9/27/2013
		mination was performed on the bottom mounted i a(g)(6)(ii)(E) with satisfactory results.	nstrumentation su	rface to the rec	uirements of ASME Section	XI Code Cas	e N-722-1 as required per	
3504	101/PEN 04	BOTTOM MOUNTED INSTRUMENTATION PE	N 4 E-16	NDEP-0812	VT / VT-13-051 / Sat	1005	HBR2-10618 SH00001	9/27/2013
		mination was performed on the bottom mounted i ia(g)(6)(il)(E) with satisfactory results.	nstrumentation su	rface to the rec	uirements of ASME Section	XI Code Cas	e N-722-1 as required per	
3505	101/PEN 05	BOTTOM MOUNTED INSTRUMENTATION PE	N 5 E-16	NDEP-0612	VT / VT-13-052 / Sat	1005	HBR2-10618 SH00001	9/27/2013
		nination was performed on the bottom mounted in a(g)(6)(ii)(E) with satisfactory results.	nstrumentation su	rface to the rec	uirements of ASME Section	XI Code Cas	e N-722-1 as required per	
1506	101/PEN 06	BOTTOM MOUNTED INSTRUMENTATION PE	N6 E-16	NDEP-0612	VT / VT-13-053 / Sat	1005	HBR2-10818 SH00001	9/27/2013
		mination was performed on the bottom mounted in a(g)(6)(ii)(E) with satisfactory results.	nstrumentation su	rface to the rec	uirements of ASME Section	Xi Code Cas	e N-722-1 as required per	
3507	101/PEN 07	BOTTOM MOUNTED INSTRUMENTATION PE	N 7 E-16	NDEP-0612	VT / VT-13-054 / Sat	1005	HBR2-10618 SH00001	9/27/2013
		mination was performed on the bottom mounted in a(g)(6)(ii)(E) with satisfactory results.	nstrumentation su	rface to the rec	uirements of ASME Section	XI Code Cas	e N-722-1 as required per	
3508	101/PEN 08	BOTTOM MOUNTED INSTRUMENTATION PE	N 8 E-16	NDEP-0612	VT / VT-13-055 / Sat	1005	HBR2-10618 SH00001	9/27/2013
		nination was performed on the bottom mounted in a(g)(6)(ii)(E) with satisfactory results.	nstrumentation su	rface to the rec	uirements of ASME Section	XI Code Cas	e N-722-1 as required per	
3509	101/PEN 09	BOTTOM MOUNTED INSTRUMENTATION PE	N9 E-16	NDEP-0612	VT / VT-13-056 / Sat	1005	HBR2-10618 SH00001	9/27/2013
		nination was performed on the bottom mounted in a(g)(6)(ii)(E) with satisfactory results.	nstrumentation su	rface to the rec	ultements of ASME Section	Xi Code Casi	e N-722-1 as required per	
3510	101/PEN 10	BOTTOM MOUNTED INSTRUMENTATION PE	EN 10 E-16	NDEP-0612	VT / VT-13-057 / Sat	1005	HBR2-10618 SH00001	9/27/2013
		nination was performed on the bottom mounted is a(g)(6)(ii)(E) with satisfactory results.	nstrumentation su	rface to the req	ulrements of ASME Section	XI Code Cas	e N-722-1 as required per	
3511	101/PEN 11	BOTTOM MOUNTED INSTRUMENTATION PE	N 11 E-16	NDEP-0612	VT / VT-13-058 / Sat	1005	HBR2-10618 SH00001	9/27/2013
		nination was performed on the bottom mounted in a(g)(6)(ii)(E) with satisfactory results.	nstrumentation su	rface to the req	ulrements of ASME Section 2	XI Code Casi	e N-722-1 as required per	
512	101/PEN 12	BOTTOM MOUNTED INSTRUMENTATION PE	N 12 E-16	NDEP-0612	VT / VT-13-059 / Sat	1005	HBR2-10618 SH00001	9/27/2013
		nination was performed on the bottom mounted in a(g)(6)(ii)(E) with satisfactory results.	nstrumentation su	rface to the req	uirements of ASME Section	XI Code Cas	N-722-1 as required per	
3513	101/PEN 13	BOTTOM MOUNTED INSTRUMENTATION PE	N 13 E-16	NDEP-0612	VT / VT-13-060 / Sat	1005	HBR2-10618 SH00001	9/27/2013
		nination was performed on the bottom mounted in $a(a)(6)(ii)(E)$ with satisfactory results.	nstrumentation su	rface to the req	uirements of ASME Section	XI Code Case	N-722-1 as required per	

Summary No.	Comp. ID	Comp. Desc.		item	Procedure	Method/Report/Resu	its System	Dwg/ISO	Exam Date
3514 Comments:	A visual exam	BOTTOM MOUNTED INSTRUM nination was performed on the bo (g)(6)(ii)(E) with satisfactory resu	ittom mounted instrum			VT / VT-13-061 / Sat quirements of ASME Secti	1005 on XI Code Cas	HBR2-10618 SH00001 Se N-722-1 as required per	9/27/2013
	A visual exam	BOTTOM MOUNTED INSTRUM nination was performed on the bo n(g)(6)(ii)(E) with satisfactory resu	ttom mounted instrum			VT / VT-13-062 / Sat quirements of ASME Secti	1005 on XI Code Cas	HBR2-10618 SH00001 e N-722-1 as required per	9/27/2013
3518 Comments:	A visual exam	BOTTOM MOUNTED INSTRUM ination was performed on the bo (g)(6)(ii)(E) with satisfactory resu	ttom mounted instrum	_		VT / VT-13-063 / Sat quirements of ASME Secti	1005 on XI Code Cas	HBR2-10518 SH00001 e N-722-1 as required per	9/27/2013
Comments:	A visual exam	BOTTOM MOUNTED INSTRUM ination was performed on the bo (g)(6)(ii)(E) with satisfactory resu	ttom mounted instrum			VT / VT-13-064 / Sat autrements of ASME Secti	1005 on XI Code Cas	HBR2-10618 SH00001 e N-722-1 as required per	9/27/2013
Comments:	A visual exan	BOTTOM MOUNTED INSTRUM Ination was performed on the bo (g)(6)(ii)(E) with satisfactory resu	ttom mounted instrum	E-16 ientation si		VT / VT-13-065 / Sat quirements of ASME Secti	1005 on XI Code Cas	HBR2-10618 SH00001 e N-722-1 as required per	9/27/2013
Comments:	A visual exam	BOTTOM MOUNTED INSTRUM Ination was performed on the bo (g)(6)(ii)(E) with satisfactory resu	ttom mounted instrum	E-16 entation su		VT / VT-13-066 / Sat juirements of ASME Section	1005 on XI Code Cas	HBR2-10618 SH00001 e N-722-1 as required per	9/27/2013
Comments:	A visual exam	BOTTOM MOUNTED INSTRUM ination was performed on the bo (g)(6)(ii)(E) with satisfactory resu	tiom mounted instrum	E-16 entation su		VT / VT-13-067 / Sat juirements of ASME Section	1005 on XI Code Cas	HBR2-10518 SH00001 e N-722-1 as required per	9/27/2013
Comments:	A visual exam	BOTTOM MOUNTED INSTRUM Ination was performed on the bo (g)(6)(ii)(E) with satisfactory resu	ttom mounted instrum	E-16 entation si		VT / VT-13-068 / Sat julrements of ASME Section	1005 on XI Code Cas	HBR2-10618 SH00001 e N-722-1 as required per	9/27/2013
Comments:	A visual exam	BOTTOM MOUNTED INSTRUM ination was performed on the bo (g)(6)(ii)(E) with satisfactory resu	ttom mounted instrum	E-16 entation su		VT / VT-13-069 / Sat ulrements of ASME Section	1005 on XI Code Cas	HBR2-10518 SH00001 e N-722-1 as required per	9/27/2013
Comments:	A visual exam	BOTTOM MOUNTED INSTRUM ination was performed on the bo (g)(6)(ii)(E) with satisfactory resu	ttom mounted instrum	E-16 entation su		VT / VT-13-070 / Sat ultrements of ASME Section	1005 on XI Code Cas	HBR2-10618 SH00001 e N-722-1 as required per	9/27/2013
Comments:	A visual exam	BOTTOM MOUNTED INSTRUM Ination was performed on the bo (g)(6)(ii)(E) with satisfactory resu	ttom mounted instrum	E-16 entation su		VT / VT-13-071 / Sat ulrements of ASME Section	1005 on XI Code Cas	HBR2-10618 SH00001 e N-722-1 as required per	9/27/2013
3525 Comments:	101/PEN 25 A visual exam	BOTTOM MOUNTED INSTRUM ination was performed on the bo (g)(6)(II)(E) with satisfactory resu	ENTATION PEN 25	E-16 entation su		VT / VT-13-072 / Sat uirements of ASME Section	1005 on XI Code Cas	HBR2-10618 SH00001 e N-722-1 as required per	9/27/2013
Comments:	A visual exam	BOTTOM MOUNTED INSTRUM Ination was performed on the bol (g)(6)(ii)(E) with satisfactory resu	tom mounted instrum			VT / VT-13-073 / Sat uirements of ASME Section	1005 on XI Code Cas	HBR2-10618 SH00001 e N-722-1 as required per	9/27/2013

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Summary No.	Comp. ID	Comp. Desc.	1	tem f	Procedure	Method/Report/R	lesults :	System	Dwg/ISO	Exam Dat
3527		BOTTOM MOUNTED INSTRUMENT				VT / VT-13-074 / Sa			HBR2-10618 SH00001	9/27/2013
Comments:		nination was performed on the bottom a(g)(6)(ii)(E) with satisfactory results.	mounted instrumental	ion surfac	e to the req	uirements of ASME S	Section XI C	ode Case	N-722-1 as required per	
		BOTTOM MOUNTED INSTRUMENT				VT / VT-13-075 / Sa			HBR2-10618 SH00001	9/27/2013
Comments:		nination was performed on the bottom a(g)(6)(ii)(E) with satisfactory results.	mounled instrumental	ion surfac	e to the req	ulrements of ASME S	Section XI C	ode Case	N-722-1 as required per	
		BOTTOM MOUNTED INSTRUMENT				VT / VT-13-076 / Sa			HBR2-10618 SH00001	9/27/2013
		nination was performed on the bottom n(g)(6)(ii)(E) with satisfactory results.	mounted instrumental	ion surfac	a to the req	uirements of ASME S	iection XI C	ode Case	N-722-1 as required per	
3530	101/PEN 30	BOTTOM MOUNTED INSTRUMENT	ATION PEN 30 E-1	6 N	DEP-0612	VT / VT-13-077 / Sa	t 1(005 1	HBR2-10618 SH00001	9/27/2013
		hination was performed on the bottom h(g)(6)(li)(E) with satisfactory results.	mounted instrumental	ion surfac	e to the req	uirements of ASME S	iection XI C	ode Case	N-722-1 as required per	
3531	101/PEN 31	BOTTOM MOUNTED INSTRUMENT	ATION PEN 31 E-1	6 N	DEP-0612	VT / VT-13-078 / Sa	1)05 ł	HBR2-10618 SH00001	9/27/2013
		nination was performed on the bottom n(g)(6)(ii)(E) with satisfactory results.	mounted instrumental	ion surfac	e to the req	uirements of ASME S	ection XI C	ode Case	N-722-1 as required per	·
3532	101/PEN 32	BOTTOM MOUNTED INSTRUMENT	ATION PEN 32 E-1	6 <u>N</u>	DEP-0612	VT / VT-13-079 / Sa	i 1(005 I	-BR2-10618 SH00001	9/27/2013
		ination was performed on the bottom $h(g)(G)(ii)(E)$ with satisfactory results.	mounted instrumental	ion surfac	e to the req	uirements of ASME S	ection XI C	ode Case	N-722-1 as required per	
3533	101/PEN 33	BOTTOM MOUNTED INSTRUMENT	ATION PEN 33 E-1	6 N	DEP-0612	VT / VT-13-080 / Sa	t 10)05 I	HBR2-10618 SH00001	9/27/2013
		nination was performed on the bottom n(g)(6)(ii)(E) with satisfactory results.	mounted instrumentat	ion surfac	e to the req	uirements of ASME S	ection XI C	ode Case	N-722-1 as required per	·
3534	101/PEN 34	BOTTOM MOUNTED INSTRUMENT	ATION PEN 34 E-1	6 N	DEP-0612	VT / VT-13-081 / Sa	1 10)05 ł	IBR2-10618 SH00001	9/27/2013
		ination was performed on the bottom $h(g)(6)(ii)(E)$ with satisfactory results.	mounted instrumental	ion surfac	e to the req	uirements of ASME S	ection XI C	ode Case	N-722-1 as required per	
		BOTTOM MOUNTED INSTRUMENT				VT / VT-13-082 / Sa	•	· , •	HBR2-10618 SH00001	9/27/2013
		ination was performed on the bottom (g)(6)(ii)(E) with satisfactory results.	mounted instrumentat	ion surfac	e to the req	uirements of ASME S	ection XI C	ode Case	N-722-1 as required per	
3536	101/PEN 36	BOTTOM MOUNTED INSTRUMENT	ATION PEN 36 E-1	6 N	DEP-0612	VT / VT-13-083 / Sa	t 10	X05 I	IBR2-10618 SH00001	9/27/2013
		(g)(6)(ii)(E) with satisfactory results.	mounted instrumentat	on surfac	e to the req	uirements of ASME S	ection XI C	ode Case	N-722-1 as required per	
3537	101/PEN 37	BOTTOM MOUNTED INSTRUMENT	ATION PEN 37 E-1	6 NI	DEP-0612	VT / VT-13-084 / Sa	1010	005 H	18R2-10618 SH00001	9/27/2013
		ination was performed on the bottom (g)(6)(ii)(E) with satisfactory results.	mounted instrumentat	on surfac	e to the req	uirements of ASME S	ection XI C	ode Case	N-722-1 as required per	
3538	101/PEN 38	BOTTOM MOUNTED INSTRUMENT	ATION PEN 38 E-1	6 N(DEP-0612	VT / VT-13-085 / Sal	10	05 H	BR2-10618 SH00001	9/27/2013
		ination was performed on the bottom (g)(6)(ii)(E) with satisfactory results.	mounted instrumentat	on surfac	e to the req	uirements of ASME S	ection XI Co	ode Case	N-722-1 as required per	
539	101/PEN 39	BOTTOM MOUNTED INSTRUMENT	ATION PEN 39 E-1	6 N	DEP-0612	VT / VT-13-086 / Sat	10	05 ł	IBR2-10618 SH00001	9/27/2013
		ination was performed on the bottom (g)(6)(ii)(E) with satisfactory results.	mounted instrumentation	on surfac	e to the req	uirements of ASME S	ection XI Co	de Case	N-722-1 as required per	
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Summery No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
540	101/PEN 40	BOTTOM MOUNTED INSTRUMENTATION	PEN 40 E-16	NDEP-0612	VT / VT-13-087 / Sat	1005	HBR2-10618 SH00001	9/27/2013
Comments:		nination was performed on the bottom mounte a(g)(6)(ii)(E) with satisfactory results.	d instrumentation s	urface to the rec	uirements of ASME Section 3	(I Code Cas	e N-722-1 as required per	·
541	101/PEN 41	BOTTOM MOUNTED INSTRUMENTATION	PEN 41 E-16	NDEP-0612	VT / VT-13-088 / Sat	1005	HBR2-10618 SH00001	9/27/2013
Comments:		nination was performed on the bottom mounte s(g)(8)(li)(E) with satisfactory results.	d instrumentation su	irface to the req	juirements of ASME Section)	(I Code Cas	e N-722-1 as required per	
542	101/PEN 42	BOTTOM MOUNTED INSTRUMENTATION	PEN 42 E-16	NDEP-0612	VT / VT-13-089 / Sat	1005	HBR2-10618 SH00001	9/27/2013
Comments:		nination was performed on the bottom mounte a(g)(6)(ii)(E) with satisfactory results.	d instrumentation su	irface to the req	uirements of ASME Section)	(I Code Cas	e N-722-1 as required per	
543	101/PEN 43	BOTTOM MOUNTED INSTRUMENTATION	PEN 43 E-16	NDEP-0612	VT / VT-13-090 / Sat	1005	HBR2-10618 SH00001	9/27/2013
Comments:		nination was performed on the bottom mounte B(g)(6)(ii)(E) with satisfactory results.	d Instrumentation su	irface to the req	uirements of ASME Section)	(i Code Cas	e N-722-1 as required per	
544	101/PEN 44	BOTTOM MOUNTED INSTRUMENTATION	PEN 44 E-16	NDEP-0612	VT / VT-13-091 / Sat	1005	HBR2-10618 SH00001	9/27/2013
Comments:		nination was performed on the bottom mounte a(g)(6)(ii)(E) with satisfactory results.	d instrumentation su	irface to the req	uirements of ASME Section)	(I Code Cas	e N-722-1 as required per	
546	101/PEN 45	BOTTOM MOUNTED INSTRUMENTATION	PEN 45 E-16	NDEP-0612	VT / VT-13-092 / Sat	1005	HBR2-10618 SH00001	9/27/2013
		nination was performed on the bottom mounte a(g)(6)(ii)(E) with satisfactory results.	d Instrumentation su	irface to the req	ulrements of ASME Section >	(I Code Cas	e N-722-1 as required per	
546	101/PEN 46	BOTTOM MOUNTED INSTRUMENTATION	PEN 46 E-16	NDEP-0612	VT / VT-13-093 / Sat	1005	HBR2-10618 SH00001	9/27/2013
		nination was performed on the bottom mounte a(g)(6)(ii)(E) with satisfactory results.	d instrumentation su	irface to the req	ulrements of ASME Section >	(I Code Cas	e N-722-1 as required per	·
547	101/PEN 47	BOTTOM MOUNTED INSTRUMENTATION	PEN 47 E-16	NDEP-0612	VT / VT-13-094 / Sat	1005	HBR2-10618 SH00001	9/27/2013
		nination was performed on the bottom mounter a(g)(6)(ii)(E) with satisfactory results.	d instrumentation su	rface to the req	uirements of ASME Section >	(I Code Cas	e N-722-1 as required per	
548 .	101/PEN 48	BOTTOM MOUNTED INSTRUMENTATION	PEN 48 E-16	NDEP-0612	VT / VT-13-095 / Sat	1005	HBR2-10618 SH00001	9/27/2013
		nination was performed on the bottom mounter a(g)(6)(II)(E) with satisfactory results.	d Instrumentation su	rface to the req	uirements of ASME Section >	(I Code Cas	e N-722-1 as required per	•
649	101/PEN 49	BOTTOM MOUNTED INSTRUMENTATION	PEN 49 E-16	NDEP-0612	VT / VT-13-096 / Sat	1005	HBR2-10618 SH00001	9/27/2013
		nination was performed on the bottom mounter n(g)(6)(II)(E) with satisfactory results.	d instrumentation su	rface to the req	uirements of ASME Section X	l Code Cas	e N-722-1 as required per	·
550	101/PEN 50	BOTTOM MOUNTED INSTRUMENTATION	PEN 50 E-16	NDEP-0612	VT / VT-13-097 / Sat	1005	HBR2-10618 SH00001	9/27/2013
000				-			e N-722-1 as required per	

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Summary No.	Comp. (D		Comp. Desc.	lte	m Procedun	Method/Report/Resu	lts System	Dwg/ISO	Exam Date
Class 1	Category A	UGMENT (N-7	70-1)						
35203	107/01DM	LOOP "A" HO	OT LEG NOZZLE TO S	AFE END E-17	NDEP-061	VT / VT-13-098 / Sat	1005	HBR2-10618 SH00010	10/26/2013
			erformed on the reactor g)(6)(ii)(E) with satisfac		dissimil a r metal w	eld surface to the requireme	ents of ASME S	Section XI Code Case N-72	22-1 as
36903	107/14DM	LOOP "A" CO	OLD LEG SAFE END T	O NOZZLE E-17	54-9171720	UT / VE-13-006 / Sat	1005	HBR2-10618 SH00010	10/27/2013
	dissimilar me	etal weld to the	requirements of ASME	Section XI Code Case N	770-1 as modifie	side diameter surface exan d by 10CFR50.55a(g)(6)(ii)) have remained essentially	(F). Indications		
37003	107A/01DM	LOOP "B" HO	OT LEG NOZZLE TO S	AFE END E-17	NDEP-0612	VT / VT-13-099 / Sat	1005	HBR2-10618 SH00011	10/26/2013
			erformed on the reactor g)(6)(li)(E) with satisfac		tissimilar metal w	eld surface to the requireme	ents of ASME S	iection XI Code Case N-72	22-1 as
38703	107A/14DM	LOOP "B" CO	OLD LEG SAFE END T	O NOZZLE E-17	54-9171720	UT / VE-13-007 / Sat	1005	H8R2-10618 SH00011	10/27/2013
	dissimilar me	stal weld to the	requirements of ASME	Section XI Code Case N	770-1 as modifie	side diameter surface exan d by 10CFR50.55a(g)(6)(ii)) have remained essentially	(F). Indications		
38803	107B/01DM	LOOP "C" HO	OT LEG NOZZLE TO S	AFE END E-17	NDEP-0612	VT / VT-13-100 / Sat	1005	HBR2-10618 SH00012	10/26/2013
		•	arformed on the reactor g)(6)(ii)(E) with satisfac		iissimilar metal w	eld surface to the requireme	ents of ASME S	ection XI Code Case N-72	22-1 as
40503	107B/14DM	LOOP "C" CC	OLD LEG SAFE END T	O NOZZLE E-17	54-9171720	UT / VE-13-008 / Sat	1005	HBR2-10618 SH00012	10/27/2013
-	dissimilar me	stal weld to the	requirements of ASME	Section XI Code Case N	1770-1 as modifie	side diameter surface exan d by 10CFR50.55a(g)(6)(ii)) have remained essentially	(F). Indications		
Class 2	Category A	UGMENT		· · · · · · · · · · · · · · · · · · ·					

192300	215/79-13-A S/G A NOZZLE TO ELBOW	E-1	NDEP-0437	UT / UT-13-003 / Sat	3050	HBR2-10618 SH00074	9/30/2013
Comment	s: A volumetric examination was performed on the component	nt to the requirement	s of Augment E	-1 (NRC Bulletin 79-13) wit	h satisfactor	y results.	
197200	216/79-13-B S/G B NOZZLE TO ELBOW	E-1	NDEP-0437	UT / UT-13-002 / Sat	3050	HBR2-10618 SH00075	9/30/2013
Comment	s: A volumetric examination was performed on the component	t to the requirement	s of Augment E	-1 (NRC Bulletin 79-13) wit	h satisfactor	y results.	
201000	217/79-13-C S/G C NOZZLE TO ELBOW	£-1	NDEP-0437	UT / UT-13-001 / Sat	3050	HBR2-10618 SH00076	10/2/2013
Comment	s: A volumetric examination was performed on the component	it to the requirement	s of Augment E	-1 (NRC Bulletin 79-13) wit	h satisfactor	y results .	

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PRESERVICE EXAMINATION

TAB

SUMMARY

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Summary No	o. Comp. ID	Comp. Desc.	item	Procedure	Misthod/Report/Results	System	Dwg/ISO	Exam Date
Class 1	Category B-G-1						<u> </u>	<u> </u>
14701	101B/N01 - 101B/N50	REACTOR VESSEL NUTS 1-50	B6.10	NDEP-0611	VT / VE-13-004 / Sat	1005	HBR2-10618 SH00003	10/14/2013
Comments:	A preservice vis satisfactory rest	ual examination was performed on the ults.	e replacement	reactor vessel hydr	a nuts to the requirements of A	SME Section	XI, 2007 Edition thru 2008	Addenda with
24701	101B/W01 - 101B/W50	REACTOR VESSEL WASHER 1 - 50	B6.50	NDEP-0611	VT / VE-13-005 / Sat	1005	HBR2-10618 SH00003	10/11/2013
Comments:	A preservice vis with satisfactory	ual examination was performed on the results.	e reactor vess	el replacement hydr	a washers to the requirements	of ASME Sec	tion XI, 2007 Edition thru 2	008 Addenda
		*						
Class 2	Category F-A		-	:				
-	Category F-A	PEDESTAL SUPPORT	F1.20A	NDEP-0613	VT / VT-13-280 / Sat	2080C	HBR2-10618 SH00094	10/1/2013
263100	232/Y	PEDESTAL SUPPORT sual examination was performed on th	e component					
263100	232/Y s: A pre-service vi	sual examination was performed on th	e component					

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TAB E

PRESSURE

TEST

SUMMARY

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The table below lists the completed pressure tests performed from the start of the Fifth Ten Year Interval (7/20/2012) through the end of Refueling Outage RO-28 (11/5/2013) which are included in the First Period of the Fifth Ten Year Interval. The pressure tests were performed to the requirements of ASME Section XI, 2007 Edition through the 2008 Addenda.

SYSTEM	DESCRIPTION	COMPLETION DATE	PROCEDURE	RESULTS
RCS	INSERVICE INSPECTION PRESSURE RETAINING VT-2 BOLTING EXAMINATION OF THE REACTOR COOLANT SYSTEM (REFUELING SHUTDOWN INTERVAL)	9/29/2013	*EST-083-1	SAT
RCS	INSERVICE INSPECTION PRESSURE RETAINING VT-2 BOLTING EXAMINATION OF THE REACTOR COOLANT SYSTEM (REFUELING SHUTDOWN INTERVAL)	11/3/2013	*EST-083-2	SAT
ccw	ISI PRESSURE TESTING OF COMPONENT COOLING WATER TO CRD COOLER, RCP-A, B, AND C, AND EXCESS LETDOWN HEAT EXCHANGER (EACH ISI PROGRAM INSPECTION PERIOD)	10/30/2013	EST-076	SAT
FW	ISI PRESSURE TESTING OF THE FEEDWATER SYSTEM (EACH ISI PROGRAM INSPECTION PERIOD)	6/12/2013	EST-077	SAT
ccw	INSERVICE INSPECTION PRESSURE TESTING OF COMPONENT COOLING WATER SYSTEM INSIDE THE AUXILIARY BUILDING(EACH ISI PROGRAM IN SPECTION PERIOD)	5/7/2013	EST-088	SAT
SI, CV SPRAY	INSERVICE INSPECTION PRESSURE TESTING OF SAFETY INJECTION SYSTEM AND CONTAINMENT SPRAY PUMP SUCTION PIPING (EACH ISI PROGRAM INSPECTION PERIOD)	4/10/2013	EST-091	SAT
CV SPRAY	INSERVICE INSPECTION PRESSURE TESTING OF THE SPRAY ADDITIVE TANK AND ASSOCIATED PIPING (EACH ISI PROGRAM INSPECTION PERIOD)	10/24/2013	EST-092	SAT
CVCS	INSERVICE INSPECTION PRESSURE TESTING OF THE CHEMICAL AND VOLUME CONTROL SYSTEM(EACH ISI PROGRAM INSPECTION PERIOD)	5/22/2013	EST-093	SAT
cvcs	INSERVICE INSPECTION PRESSURE TESTING OF THE CHEMICAL AND VOLUME CONTROL SYSTEM INSIDE CONTAINMENT(EACH ISI PROGRAM INSPECTION PERIOD)	9/4/2013	EST-127	SAT
SI	INSERVICE INSPECTION PRESSURE TESTING OF THE SIS ACCUMULATORS AND ASSOCIATED CLASS 2 PIPING INSIDE CONTAINMENT(EACH ISI PROGRAM INSPECTION PERIOD)	9/4/2013	EST-129	SAT

F IWE/IWL EXAMINATION SUMMARY

TAB

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No.	Comp. ID	Component Description	item No.	Procedure	Method/Report/Results	System	Dwg/ISO	Exem Date
Class CC	Category L-A							
26000	CONC-01 C	CONCRETE 0° - 90° DEGREES	L1.11	NDEP-0620	VT / VT-13-101 / Eval	8010	HBR2-10618 SH00190	9/16/2013
Comments:		as performed on the concrete surface t ed as acceptable as is and documented				003 Addend	a with unsatisfactory results.	. Conditions
Evaluation Disposition		rt forms above indicate either previousl le pop outs. All are cosmetic in nature						support holes,
27000	CONC-02 C	CONCRETE 90" - 180" DEGREES	L1.11	NDEP-0620	VT / VT-13-102 / Eval	8010	HBR2-10618 SH00191	9/16/2013
Comments:		as performed on the concrete surface t ad as acceptable as is and documented				003 Addend	a with unsatisfactory results	. Conditions
Evaluation Disposition		rt forms above indicate either previousl e pop outs. All are cosmetic in nature						support holes,
28000	CONC-03 C	ONCRETE 180" - 270" DEGREES	L1.11	NDEP-0620	VT / VT-13-103 / Eval	8010	HBR2-10618 SH00192	9/16/2013
		as performed on the concrete surface t ad as acceptable as is and documented				003 Addend	a with unsatisfactory results.	. Conditions
Evaluation	Acceptable: The report	rt forms above indicate either previousl	y accepted items	, original const	ruction materials left from the	e initial conc	rete placament, unpatched :	support holes.
Disposition	minor rusting, and som	e pop outs. All are cosmetic in nature	and will not affec	t the structural	integrity or leak tightness of	the containr	nent. No action is required.	
		e pop outs. All are cosmetic in nature CONCRETE 270° - 0° DEGREES	and will not affec		Integrity or leak tightness of VT / VT-13-104 / Eval	the containr 8010	HBR2-10618 SH00193	9/16/2013
29000 Comments:	CONC-04 C A visual examination w	· · ·	L1.11 to the requiremen	NDEP-0620	VT / VT-13-104 / Eval action XI, 2001 Edition thru 24	8010	HBR2-10618 SH00193	9/16/2013
29000 comments: valuation	CONC-04 C A visual examination w identified were evaluate Acceptable: The report	ONCRETE 270" - 0" DEGREES as performed on the concrete surface t	L1.11 to the requirement of in AR 632078, r y accepted items	NDEP-0620 hts of ASME Se no further actions of original const	VT / VT-13-104 / Eval action XI, 2001 Edition thru 20 n required. Inuction materials left from the	8010 D03 Addend e initial conc	HBR2-10618 SH00193 a with unsatisfactory results. rete placement, unpatched s	9/16/2013 Conditions
29000 comments: valuation visposition	CONC-04 C A visual examination wi identified were evaluate Acceptable: The repor minor rusting, and som	ONCRETE 270° - 0° DEGREES as performed on the concrete surface t ad as acceptable as is and documented nt forms above indicate either previousl	L1.11 to the requirement 1 in AR 632078, r y accepted items and will not affect	NDEP-0820 Its of ASME Se no further actio o, original consi t the structural	VT / VT-13-104 / Eval action XI, 2001 Edition thru 20 n required. Inuction materials left from the	8010 D03 Addend e initial conc	HBR2-10618 SH00193 a with unsatisfactory results. rete placement, unpatched s	9/16/2013 Conditions
29000 comments: valuation disposition 30000	CONC-04 C A visual examination wi identified were evaluate Acceptable: The repoint minor rusting, and som CONC-AL C	ONCRETE 270° - 0° DEGREES as performed on the concrete surface t ad as acceptable as is and documented it forms above indicate either previousl e pop outs. All are cosmetic in nature	L1.11 to the requirement of in AR 632078, r by accepted items and will not affect E L1.11	NDEP-0820 Its of ASME Se no further actio o, original consi t the structural NDEP-0820	VT / VT-13-104 / Eval action XI, 2001 Edition thru 20 n required, ruction materials left from the integrity or leak tightness of VT / VT-13-105 / Sat	8010 003 Addend a initial conc the containr 8010	HBR2-10618 SH00193 a with unsatisfactory results rete placement, unpatched s nent. No action is required. HBR2-10618 SH00191	9/16/2013 Conditions support holes,
29000 comments: valuation visposition 30000 comments:	CONC-04 C A visual examination widentified were evaluate Acceptable: The repoint minor rusting, and som CONC-AL C A visual examination with CONC-BIT C	ONCRETE 270° - 0° DEGREES as performed on the concrete surface t ad as acceptable as is and documented it forms above indicate either previousl e pop outs. All are cosmetic in nature ONCRETE AIRLOCK AREA SURFAC	L1.11 to the requirement of in AR 632078, r by accepted items and will not affect E L1.11 to the requirement	NDEP-0820 hts of ASME Se no further actio original consi t the structural NDEP-0820 hts of ASME Se	VT / VT-13-104 / Eval action XI, 2001 Edition thru 20 n required, ruction materials left from the integrity or leak tightness of VT / VT-13-105 / Sat	8010 003 Addend a initial conc the containr 8010	HBR2-10618 SH00193 a with unsatisfactory results rete placement, unpatched s nent. No action is required. HBR2-10618 SH00191	9/16/2013 . Conditions support holes,
29000 omments: valuation isposition 30000 omments: 31000	CONC-04 C A visual examination widentified were evaluate Acceptable: The repoint minor rusting, and som CONC-AL C A visual examination with CONC-BIT C R	ONCRETE 270° - 0° DEGREES as performed on the concrete surface t ad as acceptable as is and documented it forms above indicate either previousling e pop outs. All are cosmetic in nature ONCRETE AIRLOCK AREA SURFAC as performed on the concrete surface to ONCRETE BORON INJECTION TANK	L1.11 to the requirement d in AR 632078, r y accepted items and will not affec E L1.11 to the requirement C L1.11	NDEP-0820 hts of ASME Se no further actio of original consi the structural NDEP-0820 hts of ASME Se NDEP-0620	VT / VT-13-104 / Eval action XI, 2001 Edition thru 20 n required, ruction materials left from the integrity or leak tightness of VT / VT-13-105 / Sat action XI, 2001 Edition thru 20 VT / VT-13-106 / Sat	8010 D03 Addend a Initial conc the contain 8010 D03 Addend 8010	HBR2-10618 SH00193 a with unsatisfactory results rete placement, unpatched s nent. No action is required. HBR2-10618 SH00191 a with satisfactory results. HBR2-10618 SH00190	9/16/2013 . Conditions support holes, 9/18/2013
29000 omments: valuation isposition 30000 omments: 31000 omments:	CONC-04 C A visual examination widentified were evaluate Acceptable: The repoint minor rusting, and som CONC-AL C A visual examination with CONC-BIT C R A visual examination with	ONCRETE 270° - 0° DEGREES as performed on the concrete surface t ad as acceptable as is and documented it forms above indicate either previousling e pop outs. All are cosmetic in nature ONCRETE AIRLOCK AREA SURFAC as performed on the concrete surface to ONCRETE BORON INJECTION TANK OOM SURFACE	L1.11 to the requirement d in AR 632078, r y accepted items and will not affec E L1.11 to the requirement C L1.11	NDEP-0820 hts of ASME So no further action of original consist the structural NDEP-0820 hts of ASME So NDEP-0620 hts of ASME So	VT / VT-13-104 / Eval action XI, 2001 Edition thru 20 n required, ruction materials left from the integrity or leak tightness of VT / VT-13-105 / Sat action XI, 2001 Edition thru 20 VT / VT-13-106 / Sat	8010 D03 Addend a Initial conc the contain 8010 D03 Addend 8010	HBR2-10618 SH00193 a with unsatisfactory results rete placement, unpatched s nent. No action is required. HBR2-10618 SH00191 a with satisfactory results. HBR2-10618 SH00190	9/16/2013 . Conditions support holes, 9/16/2013
29000 Comments: Evaluation Disposition 30000 Comments: 31000 Comments: 32000 Comments:	CONC-04 C A visual examination widentified were evaluate Acceptable: The report minor rusting, and som CONC-AL C A visual examination with CONC-BIT C R A visual examination with CONC-DOME C A visual examination with	ONCRETE 270° - 0° DEGREES as performed on the concrete surface t ad as acceptable as is and documented it forms above indicate either previousling e pop outs. All are cosmetic in nature ONCRETE AIRLOCK AREA SURFAC as performed on the concrete surface to ONCRETE BORON INJECTION TANK OOM SURFACE as performed on the concrete surface to Surface to surface to surfac	L1.11 to the requirement d in AR 632078, n y accepted items and will not affect E L1.11 to the requirement C L1.11 to the requirement L1.11 rface to the requi	NDEP-0820 hts of ASME Si no further actio of original consi the structural NDEP-0820 hts of ASME Se NDEP-0620 ints of ASME Se NDEP-0620 irements of AS	VT / VT-13-104 / Eval action XI, 2001 Edition thru 20 n required. ruction materials left from the integrity or leak tightness of VT / VT-13-105 / Sat action XI, 2001 Edition thru 20 VT / VT-13-106 / Sat action XI, 2001 Edition thru 20 VT / VT-13-107 / Eval ME Section XI, 2001 Edition	8010 003 Addend a Initial conc the contain 8010 003 Addend 8010 003 Addend 8010	HBR2-10618 SH00193 a with unsatisfactory results nete placement, unpatched s nent. No action is required. HBR2-10618 SH00191 a with satisfactory results. HBR2-10618 SH00190 a with satisfactory results. HBR2-10618 SH00194	9/16/2013 Conditions support holes, 9/18/2013 9/18/2013 9/16/2013

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Summary No.	Comp. ID	Component Description	Item No.	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
033000	CONC-EH	CONCRETE EQIUPMENT HATCH AREA 226' TO 252' SURFACE	L1,11	NDEP-0620	VT / VT-13-108 / Sat	8010	HBR2-10618 SH00192	9/16/2013
Comments:	A visual examinatio	n was performed on the concrete surface to	the requireme	nts of ASME Se	ection XI, 2001 Edition thru 20	03 Addenda	a with satisfactory results.	
034000	CONC-NCV	CONCRETE CABLE VAULT ROOM NORTH SURFACE	L1.11	NDEP-0620	VT / VT-13-109 / Eval	8010	HBR2-10618 SH00191	9/21/2013
Comments:		n was performed on the concrete surface to uated as acceptable as is and documented in				103 Addenda	e with unsatisfactory results.	Conditions
Evaluation Disposition		eport forms above indicate either previously a ome pop outs. All are cosmetic in nature an						upport holes,
035000	CONC-PA	CONCRETE PIPE ALLEY SURFACE	L1.11	NDEP-0620	VT / VT-13-110 / Sat	8010	HBR2-10618 SH00190 &	9/23/2013
Comments:	A visual examination	n was performed on the concrete surface to t	the requirement	nts of ASME Se	ction XI, 2001 Edition thru 20	03 Addenda	a with satisfactory results.	
36000	CONC-PIR	CONCRETE PURGE INLET ROOM	L1.11		VT / VT-13-111 / Eval	8010	HBR2-10618 SH00192	9/19/2013
Comments:		n was performed on the concrete surface to t uated as acceptable as is and documented in				03 Addenda	a with unsatisfactory results.	Conditions
Evaluation	Acceptable: The re	port forms above indicate either previously a	accepted items					upport holes,
		ome pop outs. All are cosmetic in nature an		t the structural	integrity or leak tightness of t	he containm	nent. No action is required.	
Disposition			d will not affec		VT / VT-13-112 / Sat	8010	HBR2-10618 SH00191 &	9/18/2013
Disposition	minor rusting, and s	ome pop outs. All are cosmetic in nature an	d will not affec	NDEP-0620	VT / VT-13-112 / Sat	8010	HBR2-10618 SH00191 &	
Disposition 037000 Comments:	minor rusting, and s	ome pop outs. All are cosmetic in nature an CONCRETE RCA WALKWAY SURFACE	d will not affec	NDEP-0620 hts of ASME Se	VT / VT-13-112 / Sat	8010	HBR2-10618 SH00191 &	
Disposition 037000 Comments: 038000	minor rusting, and s CONC-RCA A visual examination CONC-RCR	ome pop outs. All are cosmetic in nature an CONCRETE RCA WALKWAY SURFACE n was performed on the concrete surface to t	d will not affec L1.11 the requirement L1.11	NDEP-0620 Its of ASME Se NDEP-0620	VT / VT-13-112 / Sat Inction XI, 2001 Edition thru 20 VT / VT-13-113 / Sat	8010 03 Addenda 8010	HBR2-10618 SH00191 & a with satisfactory results. HBR2-10618 SH00191	9/18/2013
Disposition 037000 Comments: 038000 Comments:	minor rusting, and s CONC-RCA A visual examination CONC-RCR	OME DOP OUTS. All are cosmetic in nature an CONCRETE RCA WALKWAY SURFACE In was performed on the concrete surface to the CONCRETE ROD CONTROL ROOM	d will not affec L1.11 the requirement L1.11	NDEP-0620 hts of ASME Se NDEP-0620 hts of ASME Se	VT / VT-13-112 / Sat Inction XI, 2001 Edition thru 20 VT / VT-13-113 / Sat	8010 03 Addenda 8010	HBR2-10618 SH00191 & a with satisfactory results. HBR2-10618 SH00191	9/18/2013
Disposition 037000 Comments: 038000 Comments: 039000	minor rusting, and s CONC-RCA A visual examination CONC-RCR A visual examination CONC-SCV	OWE POP Outs. All are cosmetic in nature an CONCRETE RCA WALKWAY SURFACE in was performed on the concrete surface to the CONCRETE ROD CONTROL ROOM in was performed on the concrete surface to the CONCRETE CABLE VAULT ROOM	d will not affec L1.11 he requiremen L1.11 he requiremen L1.11	NDEP-0620 nts of ASME Se NDEP-0620 nts of ASME Se NDEP-0820	VT / VT-13-112 / Sat action XI, 2001 Edition thru 20 VT / VT-13-113 / Sat action XI, 2001 Edition thru 20 VT / VT-13-114 / Sat	8010 03 Addenda 8010 03 Addenda 8010	HBR2-10618 SH00191 & a with satisfactory results. HBR2-10618 SH00191 a with satisfactory results. HBR2-10618 SH00191	9/18/2013 9/20/2013
Disposition 037000 Comments: 038000 Comments: 039000 Comments:	minor rusting, and s CONC-RCA A visual examination CONC-RCR A visual examination CONC-SCV A visual examination	ome pop outs. All are cosmetic in nature an CONCRETE RCA WALKWAY SURFACE a was performed on the concrete surface to t CONCRETE ROD CONTROL ROOM a was performed on the concrete surface to t CONCRETE CABLE VAULT ROOM SOUTH SURFACE a was performed on the concrete surface to t	d will not affec L1.11 he requiremen L1.11 he requiremen L1.11	NDEP-0620 nts of ASME Se NDEP-0620 nts of ASME Se NDEP-0820	VT / VT-13-112 / Sat action XI, 2001 Edition thru 20 VT / VT-13-113 / Sat action XI, 2001 Edition thru 20 VT / VT-13-114 / Sat	8010 03 Addenda 8010 03 Addenda 8010	HBR2-10618 SH00191 & a with satisfactory results. HBR2-10618 SH00191 a with satisfactory results. HBR2-10618 SH00191	9/18/2013 9/20/2013
Disposition 037000 Comments: 038000 Comments: 039000 Comments: Class MC	minor rusting, and s CONC-RCA A visual examination CONC-RCR A visual examination CONC-SCV A visual examination	ome pop outs. All are cosmetic in nature an CONCRETE RCA WALKWAY SURFACE a was performed on the concrete surface to t CONCRETE ROD CONTROL ROOM a was performed on the concrete surface to t CONCRETE CABLE VAULT ROOM SOUTH SURFACE a was performed on the concrete surface to t	d will not affec L1.11 he requiremen L1.11 he requiremen L1.11	NDEP-0620 Ints of ASME Se NDEP-0620 Ints of ASME Se NDEP-0820 Ints of ASME Se	VT / VT-13-112 / Sat action XI, 2001 Edition thru 20 VT / VT-13-113 / Sat action XI, 2001 Edition thru 20 VT / VT-13-114 / Sat	8010 03 Addenda 8010 03 Addenda 8010	HBR2-10618 SH00191 & a with satisfactory results. HBR2-10618 SH00191 a with satisfactory results. HBR2-10618 SH00191	9/18/2013 9/20/2013
Disposition D37000 Comments: D38000 Comments: D39000 Comments: Class MC 01000	minor rusting, and s CONC-RCA A visual examination CONC-RCR A visual examination CONC-SCV A visual examination Category E-A AIRLOCK-C	ome pop outs. All are cosmetic in nature an CONCRETE RCA WALKWAY SURFACE in was performed on the concrete surface to th CONCRETE ROD CONTROL ROOM in was performed on the concrete surface to th CONCRETE CABLE VAULT ROOM SOUTH SURFACE in was performed on the concrete surface to the A	d will not affec L1.11 the requiremen L1.11 the requiremen L1.11 the requiremen E1.11	NDEP-0620 hts of ASME Se NDEP-0620 hts of ASME Se NDEP-0820 NDEP-0820	VT / VT-13-112 / Sat ection XI, 2001 Edition thru 20 VT / VT-13-113 / Sat ection XI, 2001 Edition thru 20 VT / VT-13-114 / Sat ection XI, 2001 Edition thru 20 VT / VT-13-115 / Sat	8010 03 Addenda 8010 03 Addenda 8010 03 Addenda 8010	HBR2-10618 SH00191 & a with satisfactory results. HBR2-10618 SH00191 a with satisfactory results. HBR2-10618 SH00191 a with satisfactory results. HBR2-10618 SH00185	9/18/2013 9/20/2013 9/21/2013 9/21/2013
Disposition 037000 Comments: 038000 Comments: 039000 Comments: 01000 Comments:	minor rusting, and s CONC-RCA A visual examination CONC-RCR A visual examination CONC-SCV A visual examination Category E-A AIRLOCK-C	ome pop outs. All are cosmetic in nature an CONCRETE RCA WALKWAY SURFACE a was performed on the concrete surface to t CONCRETE ROD CONTROL ROOM a was performed on the concrete surface to t CONCRETE CABLE VAULT ROOM SOUTH SURFACE a was performed on the concrete surface to t A AIRLOCK CYLINDER SURFACE a was performed on the airlock cylinder surfa	d will not affec L1.11 the requiremen L1.11 the requiremen L1.11 the requiremen E1.11	NDEP-0620 hts of ASME Se NDEP-0620 hts of ASME Se NDEP-0820 hts of ASME Se NDEP-0820 irements of AS	VT / VT-13-112 / Sat ection XI, 2001 Edition thru 20 VT / VT-13-113 / Sat ection XI, 2001 Edition thru 20 VT / VT-13-114 / Sat ection XI, 2001 Edition thru 20 VT / VT-13-115 / Sat	8010 03 Addenda 8010 03 Addenda 8010 03 Addenda 8010	HBR2-10618 SH00191 & a with satisfactory results. HBR2-10618 SH00191 a with satisfactory results. HBR2-10618 SH00191 a with satisfactory results. HBR2-10618 SH00185	9/18/2013 9/20/2013 9/21/2013 9/21/2013
Disposition Disposition Comments: Dis8000 Comments: Dis9000 Comments: Dises MC Disposition Comments: Disposition Comments: Disposition	minor rusting, and s CONC-RCA A visual examination CONC-RCR A visual examination CONC-SCV A visual examination Category E -1 AIRLOCK-C A visual examination AIRLOCK-EBA	OME pop outs. All are cosmetic in nature an CONCRETE RCA WALKWAY SURFACE a was performed on the concrete surface to th CONCRETE ROD CONTROL ROOM a was performed on the concrete surface to th CONCRETE CABLE VAULT ROOM SOUTH SURFACE a was performed on the concrete surface to the A AIRLOCK CYLINDER SURFACE a was performed on the airlock cylinder surface a Was performed on the airlock cylinder surface	d will not affec L1.11 the requiremen L1.11 the requiremen L1.11 the requiremen E1.11 ce to the requi E1.11	NDEP-0620 hts of ASME Se NDEP-0620 hts of ASME Se NDEP-0820 hts of ASME Se NDEP-0820 irements of ASI	VT / VT-13-112 / Sat ection XI, 2001 Edition thru 20 VT / VT-13-113 / Sat ection XI, 2001 Edition thru 20 VT / VT-13-114 / Sat ection XI, 2001 Edition thru 20 VT / VT-13-115 / Sat ME Section XI, 2001 Edition t VT / VT-13-116 / Sat	8010 03 Addenda 8010 03 Addenda 8010 03 Addenda 8010 hru 2003 Ad 8010	HBR2-10618 SH00191 & a with satisfactory results. HBR2-10618 SH00191 a with satisfactory results. HBR2-10618 SH00191 a with satisfactory results. HBR2-10618 SH00185 tolenda with satisfactory result HBR2-10618 SH00185 & 187	9/18/2013 9/20/2013 9/21/2013 9/21/2013 its. 9/21/2013
Disposition 037000 Comments: 038000 Comments: 039000 Comments: 001000 Comments: 004000 Comments:	minor rusting, and s CONC-RCA A visual examination CONC-RCR A visual examination CONC-SCV A visual examination Category E-A AIRLOCK-C A visual examination AIRLOCK-EBA A visual examination	OWE POP Outs. All are cosmetic in nature an CONCRETE RCA WALKWAY SURFACE in was performed on the concrete surface to the CONCRETE ROD CONTROL ROOM in was performed on the concrete surface to the CONCRETE CABLE VAULT ROOM SOUTH SURFACE in was performed on the concrete surface to the A AIRLOCK CYLINDER SURFACE in was performed on the airlock cylinder surface AIRLOCK EXTERIOR BULKHEAD ASSEMBLY SURFACE	d will not affec L1.11 the requiremen L1.11 the requiremen L1.11 the requiremen E1.11 ce to the requi E1.11 ead assembly	NDEP-0620 hts of ASME Se NDEP-0620 hts of ASME Se NDEP-0820 hts of ASME Se NDEP-0820 irements of ASI NDEP-0620 surface to the	VT / VT-13-112 / Sat ection XI, 2001 Edition thru 20 VT / VT-13-113 / Sat ection XI, 2001 Edition thru 20 VT / VT-13-114 / Sat ection XI, 2001 Edition thru 20 VT / VT-13-115 / Sat ME Section XI, 2001 Edition t VT / VT-13-116 / Sat	8010 03 Addenda 8010 03 Addenda 8010 03 Addenda 8010 hru 2003 Ad 8010	HBR2-10618 SH00191 & a with satisfactory results. HBR2-10618 SH00191 a with satisfactory results. HBR2-10618 SH00191 a with satisfactory results. HBR2-10618 SH00185 tolenda with satisfactory result HBR2-10618 SH00185 & 187	9/18/2013 9/20/2013 9/21/2013 9/21/2013 its. 9/21/2013

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Summary No.	Comp. ID	Component Description	Item No.	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
015000	AIRLOCK-IBA	AIRLOCK INTERIOR BULKHEAD ASSEMBLY SURFACE	E1.11	NDEP-0820	VT / VT-13-119 / Sat	8010	HBR2-10618 SH00185 & 186	9/21/2013
Comments:	A visual examination	n was performed on the airlock cylinder sur	ace to the requ	irements of AS	ME Section XI, 2001 Edition t	hru 2003 Ac	Idenda with satisfactory resul	ts.
021000	AIRLOCK-IDA	AIRLOCK INTERIOR DOOR ASSEMBLY SURFACE	E1.11	NDEP-0620	VT / VT-13-121 / Sat	8010	HBR2-10618 SH00185 & 186	9/21/2013
Comments:	A visual examination results.	n was performed on the airlock interior door	assembly surf	ace to the requi	rements of ASME Section XI,	2001 Editio	n thru 2003 Addenda with sa	tisfactory
536700	EQUIP-HATCH-BC	EQUIPMENT HATCH BOLTING	E1.11	NDEP-0620	VT / VT-13-122 / Sat	8010	HBR2-10618 SH00199	9/23/2013
Comments:	A visual examination results.	n was performed on the equipment hatch bo	olling disassem	bled to the requ	trements of ASME Section X	, 2001 Editi	on thru 2003 Addenda with s	atisfactory
043000	EQUIP-HATCH-C	EQUIPMENT HATCH CYLINDER	E1.11	NDEP-0620	VT / VT-13-123 / Eval	8010	HBR2-10618 SH00198	9/23/2013
Comments.		n was performed on the equipment hatch cy areas of degradation that were being worke						factory results.
048000	EQUIP-HATCH-CO	EQUIPMENT HATCH COVER SURFACE	E1.11	NDEP-0620	VT / VT-13-124 / Sat	8010	HBR2-10618 SH00198	9/21/2013
		EQUIPMENT HATCH COVER SURFACE was performed on the equipment hatch co						
048000 Comments: 053000			wer surface to	the requirement				
Comments: 053000	A visual examination	n was performed on the equipment hatch co DOME METAL LINER SURFACE (352-0 TO 417-0") In was performed on the dome metal liner su	ver surface to E1.11	the requirement NDEP-0620	s of ASME Section XI, 2001 VT / VT-13-125 / Unsat	Edition thru 8010	2003 Addenda with satisfact HBR2-10618 SH00196	9/30/2013
Comments: 053000	A visual examination L-DOME A visual examination documented in AR 6 Acceptable: Per AR coatings on the dom	n was performed on the equipment hatch co DOME METAL LINER SURFACE (352-0 TO 417-0") In was performed on the dome metal liner su	wer surface to E1.11 Inface to the reconserved in the II led into the coa	the requirement NDEP-0620 quirements of A WE inspection of tings exempt to	s of ASME Section XI, 2001 VT / VT-13-125 / Unsat SME Section XI, 2001 Edition of RO28 have been previously g RNP-C/CONT-1003 to mon	Edition thru 8010 thru 2003 / documenta	2003 Addenda with satisfact HBR2-10618 SH00196 Addenda with unsatisfactory i ad by the coatings program.	ory results. 9/30/2013 esults All degraded
Comments: 053000 Comments: Evaluation	A visual examination L-DOME A visual examination documented in AR 6 Acceptable: Per AR coatings on the dom	n was performed on the equipment hatch co DOME METAL LINER SURFACE (352-0 TO 417-0") n was performed on the dome metal liner su 33712 633712, most all of the degraded areas ob the liner must be documented and incorporal	wer surface to E1.11 Inface to the red served in the li led into the coa loatings exemp	the requirement NDEP-0620 quirements of A WE inspection of tings exempt lo t log will be add	s of ASME Section XI, 2001 VT / VT-13-125 / Unsat SME Section XI, 2001 Edition of RO28 have been previously g RNP-C/CONT-1003 to mon	Edition thru 8010 thru 2003 / documenta	2003 Addenda with satisfact HBR2-10618 SH00196 Addenda with unsatisfactory i ad by the coatings program.	ory results. 9/30/2013 esults All degraded
Comments: 053000 Comments: Evaluation Disposition 157000	A visual examination L-DOME A visual examination documented in AR 6 Acceptable: Per AR coatings on the dom coatings from the tW PENTR-A-01-IC	n was performed on the equipment hatch co DOME METAL LINER SURFACE (352'-0 TO 417'-0") n was performed on the dome metal liner su 33712 633712, most all of the degraded areas of the liner must be documented and incorporat /E inspection not already contained in the co	wer surface to E1.11 Inface to the re- served in the li led into the coa oatings exemp E1.11	the requirement NDEP-0620 quirements of A WE inspection of tings exempt lo t log will be add NDEP-0620	s of ASME Section XI, 2001 (VT / VT-13-125 / Unsat SME Section XI, 2001 Edition of RO28 have been previously g RNP-C/CONT-1003 to mon ed. VT / VT-13-126 / Sat	Edition thru 8010 thru 2003 / documente for the cont 8010	2003 Addenda with satisfactor HBR2-10618 SH00196 Addenda with unsatisfactory i ad by the coatings program, tainment exempt coatings ma HBR2-10618 SH00182	9/30/2013 9/30/2013 esults All degraded rgin, and all 9/20/2013
Comments: 053000 Comments: Evaluation Disposition 157000	A visual examination L-DOME A visual examination documented in AR 6 Acceptable: Per AR coatings on the dom coatings from the tM PENTR-A-01-IC A visual examination	n was performed on the equipment hatch co DOME METAL LINER SURFACE (352'-0 TO 417'-0") n was performed on the dome metal liner su 33712 633712, most all of the degraded areas of the liner must be documented and incorporat /E inspection not already contained in the co ELECTRICAL PENETRATION SURFACE	wer surface to E1.11 Inface to the red served in the li led into the coa coatings exemp E E1.11 penetration sur	the requirement NDEP-0620 quirements of A WE inspection of tings exempt to a tog will be add NDEP-0620 face to the requ	s of ASME Section XI, 2001 (VT / VT-13-125 / Unsat SME Section XI, 2001 Edition of RO28 have been previously g RNP-C/CONT-1003 to mon ed. VT / VT-13-126 / Sat	Edition thru 8010 thru 2003 / documente for the cont 8010	2003 Addenda with satisfactor HBR2-10618 SH00196 Addenda with unsatisfactory i ad by the coatings program, tainment exempt coatings ma HBR2-10618 SH00182	9/30/2013 9/30/2013 esults All degraded rgin, and all 9/20/2013
Comments: 053000 Comments: Evaluation Disposition 157000 Comments: 162000	A visual examination L-DOME A visual examination documented in AR 6 Acceptable: Per AR coatings on the dom coatings from the tM PENTR-A-01-IC A visual examination results. PENTR-A-02-IC	n was performed on the equipment hatch co DOME METAL LINER SURFACE (352'-0 TO 417'-0") n was performed on the dome metal liner su 33712 633712, most all of the degraded areas ob the liner must be documented and incorporat //E inspection not already contained in the co ELECTRICAL PENETRATION SURFACE in was performed on the insulated electrical	wer surface to E1.11 Inface to the red Inserved in the lifed into the coa coatings exemp E E1.11 penetration sur	the requirement NDEP-0620 quirements of A WE inspection of tings exempt lo t tog will be add NDEP-0620 face to the requirement NDEP-0620	s of ASME Section XI, 2001 I VT / VT-13-125 / Unsat SME Section XI, 2001 Edition of RO28 have been previously g RNP-C/CONT-1003 to mon ed. VT / VT-13-126 / Sat irrements of ASME Section XI VT / VT-13-127 / Sat	Edition thru 8010 thru 2003 / documente itor the cont 8010 , 2001 Editi 8010	2003 Addenda with satisfact HBR2-10618 SH00196 Addenda with unsatisfactory i ad by the coatings program, talmment exempt coatings ma HBR2-10618 SH00182 on thru 2003 Addenda with s HBR2-10618 SH00182	9/30/2013 9/30/2013 esults All degraded rgin, and all 9/20/2013 atisfactory 9/20/2013
Comments: 053000 Comments: Evaluation Disposition 157000 Comments: 162000	A visual examination L-DOME A visual examination documented in AR 6 Acceptable: Per AR coatings on the dom coatings from the tM PENTR-A-01-IC A visual examination results. PENTR-A-02-IC A visual examination	n was performed on the equipment hatch co DOME METAL LINER SURFACE (352'-0 TO 417'-0") n was performed on the dome metal liner su 33712 633712, most all of the degraded areas ob the liner must be documented and incorporal /E inspection not already contained in the co ELECTRICAL PENETRATION SURFACE to was performed on the insulated electrical ELECTRICAL PENETRATION SURFACE	wer surface to E1.11 Inface to the red served in the I led into the coa coatings exemp E E1.11 penetration sur E E1.11 penetration sur	the requirement NDEP-0620 quirements of A WE inspection of tings exempt to t tog will be add NDEP-0620 face to the requirement NDEP-0620 face to the requirement	s of ASME Section XI, 2001 I VT / VT-13-125 / Unsat SME Section XI, 2001 Edition of RO28 have been previously g RNP-C/CONT-1003 to mon ed. VT / VT-13-126 / Sat irrements of ASME Section XI VT / VT-13-127 / Sat	Edition thru 8010 thru 2003 / documente itor the cont 8010 , 2001 Editi 8010	2003 Addenda with satisfact HBR2-10618 SH00196 Addenda with unsatisfactory i ad by the coatings program, talmment exempt coatings ma HBR2-10618 SH00182 on thru 2003 Addenda with s HBR2-10618 SH00182	9/30/2013 9/30/2013 esults All degraded rgin, and all 9/20/2013 atisfactory 9/20/2013

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Summary No.	Comp. ID	Component Description	item No.	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
172000	PENTR-A-04-IC	ELECTRICAL PENETRATION SURFACE		NDEP-0620	VT / VT-13-129 / Sal	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	n was performed on the insulated electrical	penetration su	rface to the requ	ulrements of ASME Section X	, 2001 Editi	on thru 2003 Addenda with	satisfactory
177000	PENTR-A-05-IC	ELECTRICAL PENETRATION SURFACE			VT / VT-13-130 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	n was performed on the insulated electrical	penetration su	rface to the requ	uirements of ASME Section X	, 2001 Editi	on thru 2003 Addenda with	satisfactory
182000	PENTR-A-06-IC	ELECTRICAL PENETRATION SURFACE	E E1.11	NDEP-0620	VT / VT-13-131 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration su	rface to the req	uirements of ASME Section XI	, 2001 Editi	on thru 2003 Addenda with	satisfactory
187000	PENTR-A-07-IC	ELECTRICAL PENETRATION SURFACE	E E1.11	NDEP-0620	VT / VT-13-132 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration su	rface to the requ	uirements of ASME Section XI	, 2001 Editi	on thru 2003 Addenda with	satisfactory
192000	PENTR-A-08-IC	ELECTRICAL PENETRATION SURFACE	E E1.11	NDEP-0620	VT / VT-13-133 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration su	rface to the requ	uirements of ASME Section XI	, 2001 Editi	on thru 2003 Addenda with	satisfactory
197000	PENTR-A-09-IC	ELECTRICAL PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-134 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration su	rface to the requ	uirements of ASME Section XI	, 2001 Editi	on thru 2003 Addenda with	satisfactory
202000	PENTR-A-10-IC	ELECTRICAL PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-135 / Sal	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration su	rface to the requ	uirements of ASME Section XI	, 2001 Editi	on thru 2003 Addenda with	satisfactory
207000	PENTR-B-01-IC	ELECTRICAL PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-136 / Sal	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration su	rface to the requ	irements of ASME Section XI	, 2001 Editi	on thru 2003 Addenda with	satisfactory
212000	PENTR-B-02-IC	ELECTRICAL PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-137 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration su	face to the requ	irements of ASME Section XI	, 2001 Edili	on thru 2003 Addenda with	satisfactory
217000	PENTR-B-03-IC	ELECTRICAL PENETRATION SURFACE			VT / VT-13-138 / Sal	8010	H8R2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical p	penetration sur	face to the requ	Irements of ASME Section XI	2001 Editie	on thru 2003 Addenda with	satisfactory
222000	PENTR-B-04-IC	ELECTRICAL PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-139 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical p	penetration sur	face to the requ	irements of ASME Section XI	2001 Editio	on thru 2003 Addenda with	satisfactory
227000	PENTR-B-05-IC	ELECTRICAL PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-140 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical p	penetration sur	face to the requ	irements of ASME Section XI	2001 Editio	on thru 2003 Addenda with s	atisfactory
232000	PENTR-B-06-IC	ELECTRICAL PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-141 / Set	8010	HBR2-10618 SH00184	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical p	penetration sur	face to the requ	irements of ASME Section XI,	2001 Editio	on thru 2003 Addenda with :	satisfactory

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Summary No.	Comp. ID	Component Description	ltem No.	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
235000 Comments:	PENTR-B-07-IC A visual examination	ELECTRICAL PENETRATION SURFAC		NDEP-0620	VT / VT-13-142 / Sat irrements of ASME Section X	8010 1. 2001 Editio	HBR2-10618 SH00182 on thru 2003 Addenda with	9/20/2013 satisfactory
	results.			•				
240000	PENTR-8-08-IC	ELECTRICAL PENETRATION SURFAC	E E1.11	NDEP-0620	VT / VT-13-143 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration su	rface to the requ	Irements of ASME Section >	3, 2001 Editio	on thru 2003 Addenda with :	satisfactory
245000	PENTR-B-09-IC	ELECTRICAL PENETRATION SURFAC	E E1.11	NDEP-0620	VT / VT-13-144 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration su	rface to the requ	irements of ASME Section X	1, 2001 Editio	on thru 2003 Addenda with	satisfactory
250000	PENTR-B-10-IC	ELECTRICAL PENETRATION SURFAC	E E1.11	NDEP-0620	VT / VT-13-145 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration su	rface to the requ	irements of ASME Section >	1, 2001 Editio	on thru 2003 Addenda with	satisfactory
255000	PENTR-C-01-OC	ELECTRICAL PENETRATION SURFAC	E E1.11	NDEP-0620	VT / VT-13-146 / Sat	8010	HBR2-10618 SH00183	9/20/2013
Comments:	A visual examination	was performed on the electrical penetrati	on surface to th	e requirements	of ASME Section XI, 2001 E	dition thru 20	03 Addenda with satisfactor	ry results.
260000	PENTR-C-02-OC	ELECTRICAL PENETRATION SURFAC	E E1.11	NDEP-0620	VT / VT-13-147 / Sat	8010	HBR2-10618 SH00183	9/20/2013
Comments:	A visual examination	was performed on the electrical penetrati	on surface to th	e requirements	of ASME Section XI, 2001 E	dition thru 20	03 Addenda with satisfacto	ry results.
265000	PENTR-C-03-OC	ELECTRICAL PENETRATION SURFAC	E E1.11	NDEP-0620	VT / VT-13-148 / Sat	8010	HBR2-10618 SH00183	9/20/2013
Comments:	A visual examination	was performed on the electrical penetration	on surface to th	e requirements	of ASME Section XI, 2001 E	dition thru 20	03 Addenda with satisfactor	ry results.
270000	PENTR-C-04-IC	ELECTRICAL PENETRATION SURFAC	E E1.11	NDEP-0620	VT / VT-13-149 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration su	face to the requ	irements of ASME Section X	I, 2001 Editio	n thru 2003 Addenda with :	salisfactory
275000	PENTR-C-05-OC	ELECTRICAL PENETRATION SURFAC	E E1.11	NDEP-0620	VT / VT-13-150 / Sat	8010	HBR2-10618 SH00183	9/20/2013
Comments:	A visual examination	was performed on the electrical penetration	on surface to th	e requirements	of ASME Section XI, 2001 E	lition thru 200	03 Addenda with satisfactor	y results.
280000	PENTR-C-06-IC	ELECTRICAL PENETRATION SURFAC	E E1.11	NDEP-0620	VT / VT-13-151 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration su	face to the requ	irements of ASME Section X	l, 2001 Editio	n thru 2003 Addenda with :	satisfactory
285000	PENTR-C-07-IC	ELECTRICAL PENETRATION SURFAC	E E1.11	NDEP-0620	VT / VT-13-152 / Sat	8010	HBR2-10618 SH00184	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration su	face to the requ	irements of ASME Section X	I, 2001 Editio	n thru 2003 Addenda with a	satisfactory
288000	PENTR-C-08-IC	ELECTRICAL PENETRATION SURFACE	E E1.11	NDEP-0620	VT / VT-13-153 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration su	face to the requ	irements of ASME Section X	l, 2001 Editio	n thru 2003 Addenda with a	satisfactory
293000	PENTR-C-09-OC	ELECTRICAL PENETRATION SURFACE	E E1.11	NDEP-0620	VT / VT-13-154 / Sat	8010	HBR2-10618 SH00183	9/20/2013
Comments:	A visual examination	was performed on the electrical penetration	on surface to th	e requirements	of ASME Section XI, 2001 E	lition thru 200	03 Addenda with satisfactor	
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Summary No.	Comp. ID	Component Description	Item No.	Procedure	Method/Report/Results	System	Dwg/iSO	Exam Da
298000 Comments:	PENTR-C-10-OC A visual examination	ELECTRICAL PENETRATION SURFAC	-		VT / VT-13-155 / Sal of ASME Section XI, 2001 Ed	8010 Jilion thru 20	HBR2-10818 SH00183 003 Addenda with satisfacto	9/20/2013 ry results.
303000	PENTR-D-01-IC	ELECTRICAL PENETRATION SURFAC	E E1.11	NDEP-0620	VT / VT-13-156 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	n was performed on the insulated electrical	penetration sur	face to the req	uirements of ASME Section X	l, 2001 Editi	on thru 2003 Addenda with	satisfactory
308000	PENTR-D-02-IC	ELECTRICAL PENETRATION SURFAC	E E1.11	NDEP-0620	VT / VT-13-157 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	n was performed on the insulated electrical	penetration sur	face to the req	ulrements of ASME Section X	i, 2001 Editi	on thru 2003 Addenda with	satisfactory
313000	PENTR-D-03-IC	ELECTRICAL PENETRATION SURFAC	E E1.11	NDEP-0620	VT / VT-13-158 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	n was performed on the insulated electrical	panetration sur	face to the req	uirements of ASME Section X	l, 2001 Editi	on thru 2003 Addenda with	satisfactory
318000	PENTR-D-04-IC	ELECTRICAL PENETRATION SURFACE	E E1.11	NDEP-0620	VT / VT-13-159 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	n was performed on the insulated electricat	penetration sur	lace to the req	uirements of ASME Section X	I, 2001 Editi	on thru 2003 Addenda with	satisfactory
323000 -	PENTR-D-05-IC	ELECTRICAL PENETRATION SURFACE	E E1.11	NDEP-0620	VT / VT-13-160 / Sat	8010	HBR2-10818 SH00182	9/20/2013
Comments:	A visual examination results.	n was performed on the insulated electrical	penetration sur	face to the req	ulrements of ASME Section X	I, 2001 Editi	on thru 2003 Addenda with	satisfactory
328000	PENTR-D-06-IC	ELECTRICAL PENETRATION SURFACE	E E1.11	NDEP-0620	VT / VT-13-161 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration sur	lace to the requ	ulrements of ASME Section X	l, 2001 Editi	on thru 2003 Addenda with	satisfactory
333000	PENTR-D-07-IC	ELECTRICAL PENETRATION SURFACE	E E1.11	NDEP-0620	VT / VT-13-162 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration sur	ace to the requ	uirements of ASME Section X	l, 2001 Editi	on thru 2003 Addenda with	satisfactory
338000	PENTR-D-08-IC	ELECTRICAL PENETRATION SURFACE	E E1.11	NDEP-0620	VT / VT-13-163 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration sur	ace to the requ	uirements of ASME Section X	, 2001 Editio	on Ihru 2003 Addenda with	satisfactory
343000	PENTR-D-09-OC	ELECTRICAL PENETRATION SURFACE	E E1.11	NDEP-0620	VT / VT-13-164 / Sat	8010	HBR2-10618 SH00183	9/20/2013
Comments	A visual examination	i was performed on the electrical penetration	on surface to the	requirements	of ASME Section XI, 2001 Ec	lition thru 20	03 Addenda with satisfacto	ry results.
348000	PENTR-D-10-IC	ELECTRICAL PENETRATION SURFACE	E E1.11	NDEP-0820	VT / VT-13-165 / Sal	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrical	penetration sur	ace to the requ	irements of ASME Section X	, 2001 Editio	on thru 2003 Addenda with	satisfactory
353000	PENTR-E-01-OC	ELECTRICAL PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-166 / Sat	8010	HBR2-10618 SH00183	9/20/2013
Comments:	A visual examination	was performed on thE electrical penetration	on surface to the	requirements	of ASME Section XI, 2001 Ec	lition thru 20	03 Addenda with satisfacto	ry results.
358000 Comments:	PENTR-E-03-IC	ELECTRICAL PENETRATION SURFACE was performed on the insulated electrical			VT / VT-13-167 / Sat	8010	HBR2-10618 SH00182	9/20/2013

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363000	PENTR-E-05-IC	ELECTRICAL PENETRATION SURFACE	CE E1.11	NDEP-0620	VT / VT-13-168 / Sat	8010	HBR2-10618 SH00183	9/20/2013
Comments:	A visual examination results.	n was performed on the insulated electrica	al penetration sur	face to the requ	uirements of ASME Section)	(, 2001 Edil i	on thru 2003 Addenda with	satisfactory
363500	PENTR-E-05-OC	ELECTRICAL PENETRATION SURFACE			VT / VT-13-169 / Sat	8010	HBR2-10618 SH00183	9/20/2013
Comments:	A visual examination	n was performed on the electrical penetral	ion surface to th	e requirements	of ASME Section XI, 2001 E	dition thru 20	03 Addenda with satisfacto	ry results.
366000	PENTR-E-06-IC	ELECTRICAL PENETRATION SURFACE			VT / VT-13-170 / Sat	8010	HBR2-10618 SH00182	9/20/2013
Comments:	A visual examination results.	n was performed on the insulated electrica	il penetration su	face to the requ	uirements of ASME Section)	(l, 2001 Editi	on thru 2003 Addenda with	satisfactory
371000	PENTR-E-08-IC	ELECTRICAL PENETRATION SURFAC	CE E1.11	NDEP-0620	VT / VT-13-171 / Sat-	8010	HBR2-10618 SH00184	9/20/2013
Comments:	A visual examination results.	n was performed on the insulated electrica	il penetration sui	face to the requ	uirements of ASME Section)	(1, 2001 Editi	on thru 2003 Addenda with	satisfactory
374000	PENTR-E-10-OC	ELECTRICAL PENETRATION SURFACE	E E1.11	NDEP-0620	VT / VT-13-172 / Sat	8010	HBR2-10618 SH00183	9/20/2013
Comments:	A visual examination	n was performed on the electrical penetrat	ion surface to th	e requirements	of ASME Section XI, 2001 E	dition thru 20	03 Addenda with satisfacto	ry results
379000	PENTR-F-01-OC	ELECTRICAL PENETRATION SURFACE	E E1.11	NDEP-0620	VT / VT-13-173 / Sat	8010	HBR2-10618 SH00183	9/20/2013
Comments:	A visual examination	was performed on the electrical penetrat	ion surface to th	e requirements	of ASME Section XI, 2001 E	dition thru 20	03 Addenda with satisfacto	ry results.
384000	PENTR-F-03-IC	ELECTRICAL PENETRATION SURFAC			VT / VT-13-174 / Sal	8010	HBR2-10618 SH00184	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrica	I penetration sur	face to the requ	uirements of ASME Section)	(), 20 01 Editi	on thru 2003 Addenda with	satisfactory
387000	PENTR-F-08-IC	ELECTRICAL PENETRATION SURFAC	E E1.11	NDEP-0620	VT / VT-13-175 / Sat	8010	HBR2-10618 SH00184	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrica	l penetration sur	face to the requ	uirements of ASME Section X	il, 2001 Editi	on thru 2003 Addenda with	satisfactory
390000 -	PENTR-F-10-IC	ELECTRICAL PENETRATION SURFAC	E E1.11	NDEP-0620	VT / VT-13-176 / Sat	8010	HBR2-10618 SH00184	9/20/2013
Comments:	A visual examination results.	was performed on the insulated electrica	l penetration sur	face to the requ	rirements of ASME Section >	(l, 2001 Edition)	on thru 2003 Addenda with	satisfactory
393000	S-01	PIPING PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-177 / Sat	8010	HBR2-10618 SH00201	9/20/2013
Comments:	A visual examination	was performed on the insulated piping p	enetration surfac	e to the require	ments of ASME Section XI, 2	2001 Edition	thru 2003 Addenda with sat	isfactory results
396000	S-02	PIPING PENETRATION SURFACE (AL) E1.11	NDEP-0620	VT / VT-13-178 / Sat	8010	HBR2-10618 SH00201	9/20/2013
Comments:	A visual examination	was performed on the insulated piping pr	enetration surfac	e to the require	ments of ASME Section XI, 2	2001 Edition	thru 2003 Addenda with sat	isfactory results
399000	S-03	PIPING PENETRATION SURFACE (AL) E1.11	NDEP-0620	VT / VT-13-179 / Set	8010	HBR2-10618 SH00201	9/20/2013
Comments:	A visual examination	was performed on the insulated piping pe	enetration surfac	e to the require	ments of ASME Section XI, 2	2001 Edition	ihru 2003 Addenda with sat	isfactory results
402000 ·	S-04	PIPING PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-180 / Sat	8010	HBR2-10618 SH00200	9/20/2013
Comments:	A visual examination	was performed on the insulated piping pe	enetration surfac	e to the require	ments of ASME Section XI, 2	1001 Edition	ihru 2003 Addenda with sat	Isfactory results
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Summary No.	Comp. ID	Component Description	item No.	Procedure	Method/Report/Result	s System	Dwg/ISO	Exam Date
405000	S-05	PIPING PENETRATION SURFACE (AL)		NDEP-0620	VT / VT-13-181 / Sat	8010	HBR2-10618 SH00201	
Comments:	A visual examination	was performed on the insulated piping pe	netration surfac	e to the require	ments of ASME Section XI,	2001 Edition	thru 2003 Addenda with sal	isfactory results.
408000		PIPING PENETRATION SURFACE	.E1.11		VT / VT-13-182 / Sat	8010	HBR2-10618 SH00201	9/20/2013
Comments:	A visual examination	was performed on the insulated piping pe	netration surfac	e to the require	ments of ASME Section XI,	2001 Edition	thru 2003 Addenda with sal	isfactory results.
411000	S-07	PIPING PENETRATION SURFACE (AL)		NDEP-0620	VT / VT-13-183 / Sat	8010	HBR2-10618 SH00201	9/20/2013
Comments:	A visual examination	was performed on the insulated piping pe	netration surfac	e to the require	ments of ASME Section XI,	2001 Edition	thru 2003 Addenda with sal	Isfactory results.
414000	S-08	PIPING PENETRATION SURFACE	E1.11		VT / VT-13-184 / Sat	8010	HBR2-10618 SH00201	9/20/2013
Comments:	A visual examination	was performed on the insulated piping pe	netration surfac	e to the require	ments of ASME Section XI,	2001 Edition	thru 2003 Addenda with sal	isfactory results.
417000	S-09	PIPING PENETRATION SURFACE (PI)	E1.11	NDEP-0620	VT / VT-13-185 / Sat	8010	HBR2-10618 SH00200	9/20/2013
Comments:	A visual examination	was performed on the insulated piping per	netration surfac	e to the require	ments of ASME Section XI,	2001 Edition	thru 2003 Addenda with sal	isfactory results.
420000	S-10	PIPING PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-186 / Sat	8010	HBR2-10618 SH00200	9/20/2013
Comments:	A visual examination	was performed on the insulated piping per	netration surfac	e to the require	ments of ASME Section XI,	2001 Edition	thru 2003 Addenda with sat	sfactory results.
423000	S-11	PIPING PENETRATION SURFACE	E1,11	NDEP-0620	VT / VT-13-187 / Sat	8010	HBR2-10618 SH00202	9/20/2013
Comments:	A visual examination	was performed on the insulated piping per	netration surface	e to the require	ments of ASME Section XI,	2001 Edition	thru 2003 Addenda with sat	isfactory results.
426000	S-12	PIPING PENETRATION SURFACE (PI)			VT / VT-13-188 / Sat	8010	HBR2-10618 SH00201	9/20/2013
Comments:	A visual examination	was performed on the insulated piping per	netration surface	e to the require	ments of ASME Section XI.	2001 Edition	Ihru 2003 Addenda with sat	sfactory results.
429000	S-13	PIPING PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-189 / Sat	8010	HBR2-10618 SH00200	9/20/2013
Comments:	A visual examination	was performed on the insulated piping per	netration surface	e to the require	ments of ASME Section XI.	2001 Edition	thru 2003 Addenda with sat	sfactory results.
432000	S-14	PIPING PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-190 / Sat	- 8010	HBR2-10618 SH00202	9/20/2013
Comments:	A visual examination	was performed on the insulated piping per	netration surface	e to the require	ments of ASME Section XI,	2001 Edition t	ihru 2003 Addenda with sat	sfactory results.
435000	S-15	PIPING PENETRATION SURFACE (PI)	E1.11	NDEP-0620	VT / VT-13-191 / Sat	8010	HBR2-10618 SH00200	9/20/2013
Comments:	A visual examination	was performed on the insulated piping per	netration surface	e to the require	ments of ASME Section XI,	2001 Edition t	hru 2003 Addenda with sat	sfactory results.
438000	S-16		E1.11	NDEP-0620	VT / VT-13-192 / Sat	8010	HBR2-10618 SH00200	9/20/2013
Comments:	A visual examination	was performed on the insulated piping per	netration surface	e to the require	nents of ASME Section XI,	2001 Edition (hru 2003 Addenda with sat	sfactory results.
441000	S-17	PIPING PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-193 / Sat	8010	HBR2-10618 SH00202	9/20/2013
Comments:		was performed on the insulated piping per						
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Summary No.	Comp. ID	Component Description	item No.	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
444000	- S-18	PIPING PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-194 / Sat	8010	HBR2-10618 SH00201	9/20/2013
Comments:	A visual examination	n was performed on the insulated piping pe	enetration surfac	e to the require	ements of ASME Section XI,	2001 Edition	thru 2003 Addenda with sa	tisfactory results
447000	S-19	PIPING PENETRATION SURFACE (PI)			VT / VT-13-195 / Sat	8010	HBR2-10618 SH00200	9/20/2013
Comments:	A visual examination	n was performed on the insulated piping pe	enetration surfac	e to the require	ments of ASME Section XI,	2001 Edition	thru 2003 Addenda with sa	tisfactory results
450000	S-20	PIPING PENETRATION SURFACE	E1.11		VT / VT-13-196 / Sat	8010	HBR2-10618 SH00200	9/20/2013
Comments:	A visual examination	n was performed on the insulated piping pe	enetration surfac	e to the require	ements of ASME Section XI,	2001 Edition	thru 2003 Addenda with sa	tisfactory results
453000	S-21	PIPING PENETRATION SURFACE	E1.11		VT / VT-13-197 / Sat	8010	HBR2-10618 SH00200	9/20/2013
Comments:	A visual examination	n was performed on the insulated piping pe	enetration surfac	e to the require	ements of ASME Section XI,	2001 Edition	thru 2003 Addenda with sa	tisfactory results
456000 -	S-22	PIPING PENETRATION SURFACE	E1.11		VT / VT-13-198 / Set	8010	HBR2-10618 SH00200	9/20/2013
Comments:	A visual examination	n was performed on the insulated piping pe	enetration surfac	e to the require	ements of ASME Section XI,	2001 Edition	thru 2003 Addenda with sa	tisfactory results
459000	S-23	PIPING PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-199 / Sat	8010	HBR2-10618 SH00201	9/20/2013
Comments:	A visual examination	n was performed on the insulated piping pe	enetration surfac	e to the require	ments of ASME Section XI,	2001 Edition	thru 2003 Addenda with sa	tisfactory results
462000	S-24	PIPING PENETRATION SURFACE (PI)	E1.11	NDEP-0620	VT / VT-13-200 / Sat	8010	HBR2-10618 SH00203	9/20/2013
Comments:	A visual examination	n was performed on the insulated piping pe	enetration surfac	e to the require	ments of ASME Section XI,	2001 Edition	thru 2003 Addenda with sa	tisfactory results
465000	S-25	PIPING PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-201 / Sat	8010	HBR2-10618 SH00201	9/20/2013
Comments:	A visual examination	n was performed on the insulated piping pe	enetration surfac	e to the require	ments of ASME Section XI,	2001 Edition	thru 2003 Addenda with sa	lisfactory results
468000	S-26	PIPING PENETRATION SURFACE (PI)			VT / VT-13-202 / Sat	8010	HBR2-10618 SH00203	9/20/2013
Comments:	A visual examination	n was performed on the insulated piping pe	enetration surfac	e to the require	ments of ASME Section XI,	2001 Edition	thru 2003 Addenda with sa	tisfactory results.
471000	S-27	PIPING PENETRATION SURFACE (AL)			VT / VT-13-203 / Sat	8010	HBR2-10618 SH00200	9/20/2013
Comments:	A visual examination	n was performed on the insulated piping pe	enetration surfac	e to the require	ments of ASME Section XI,	2001 Edition	thru 2003 Addenda with sa	tisfactory results.
474000	S-28	PIPING PENETRATION SURFACE (PI)	E1.11	NDEP-0620	VT / VT-13-204 / Sat	8010	HBR2-10618 SH00200	9/20/2013
Comments:	A visual examination	n was performed on the insulated piping pe	enetration surfac	e to the require	ments of ASME Section XI,	2001 Edition	thru 2003 Addenda with sa	tisfactory results.
		DIDING RENETRATION SUDEADE	E1.11	NDEP-0620	VT / VT-13-205 / Sat	8010	HBR2-10618 SH00200	9/20/2013
477000	S-29	PIPING PENETRATION SURFACE						
		PIPING PENEIRATION SURFACE was performed on the insulated piping pe	enetration surfac	e to the require	ments of ASME Section XI,	2001 Edition	thru 2003 Addenda with sa	lisfactory results.
477000 Comments: 480000					WT / VT-13-206 / Sat	2001 Edition 8010	thru 2003 Addenda with sa HBR2-10618 SH00203	9/20/2013

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Summary No.	Comp. ID	Component Description	item No.	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Da
483000	S-31	PIPING PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-207 / Sat	8010	HBR2-10618 SH00200	9/20/2013
Comments:	A visual examination	on was performed on the insulated piping p	enstration surfac	e to the require	ements of ASME Section XI, 2	2001 Edition	thru 2003 Addenda with sa	tisfactory resu
486000	S-32	PIPING PENETRATION SURFACE	E1.11	NDEP-0620	VT / VT-13-208 / Sat	8010	HBR2-10618 SH00201	9/20/201:
Comments:	A visual examination	on was performed on the insulated piping p	enetration surfact	e to the require	ements of ASME Section XI, 2	2001 Edition	thru 2003 Addenda with sa	itisfactory resu
489000	S-33	PIPING PENETRATION SURFACE	E1.11		VT / VT-13-209 / Sal	8010	HBR2-10618 SH00201	9/20/201
Comments:	A visual examination	on was performed on the insulated piping p	enetration surfact	e to the require	aments of ASME Section XI, 2	2001 Edition	thru 2003 Addenda with sa	itisfactory rest
492000	S-34	PIPING PENETRATION SURFACE (PI) E1.11	NDEP-0620	VT / VT-13-210 / Sat	8010	HBR2-10618 SH00200	9/20/201
Comments:	A visual examination	on was performed on the insulated piping p	enetration surface	e to the require	ements of ASME Section XI, 2	2001 Edition	thru 2003 Addenda with sa	tisfactory rest
495000	S-35	PIPING PENETRATION SURFACE (PI		NDEP-0620	VT / VT-13-211 / Sat	8010	HBR2-10618 SH00200	9/20/2013
Comments:	A visual examination	on was performed on the insulated piping p	enetration surface	e to the require	ements of ASME Section XI, 2	2001 Edition	lhru 2003 Addenda with sa	disfactory resu
505000	S-37	PIPING PENETRATION SURFACE (PI) E1.11	NDEP-0620	VT / VT-13-213 / Sat	8010	HBR2-10618 SH00200	9/19/201
Comments:	A visual examination	on was performed on the insulated piping p	enetration surface	e to the require	ments of ASME Section XI, 2	2001 Edition	Ihru 2003 Addenda with sa	tisfactory resu
508000	S-38	PIPING PENETRATION SURFACE (PI) E1.11	NDEP-0620	VT / VT-13-215 / Sat	8010	HBR2-10618 SH00200	9/18/201
Comments:	A visual examinatio	on was performed on the insulated piping p	enetration surface	e to the require	ements of ASME Section XI, 2	2001 Edition	Ihru 2003 Addenda with sa	tisfactory res
511000	S-39	PIPING PENETRATION SURFACE (PI) E1.11	NDEP-0620	VT / VT-13-216 / Sat	8010	HBR2-10618 SH00200	9/19/201
Comments:	A visual examinatio	m was performed on the insulated piping p	enetration surface	to the require	ments of ASME Section XI, 2	2001 Edition	thru 2003 Addenda with sa	tisfactory resu
514000	S-40	PIPING PENETRATION SURFACE (PI	E1.11	NDEP-0620	VT / VT-13-217 / Sat	8010	HBR2-10618 SH00202	9/23/201
Comments:	A visual examinatio	in was performed on the insulated piping p	enetration surface	to the require	ments of ASME Section XI, 2	001 Edition	lhru 2003 Addenda with sa	tisfactory resi
517000	S-41	PIPING PENETRATION SURFACE (PI	E1.11	NDEP-0620	VT / VT-13-218 / Sat	8010	HBR2-10618 SH00202	9/23/201
Comments:	A visual examinatio	in was performed on the insulated piping p	enetration surface	to the require	ments of ASME Section XI, 2	001 Edition i	hru 2003 Addenda with sa	tisfactory resu
520000	S-42	PIPING PENETRATION SURFACE (PI)	E1.11	NDEP-0620	VT / VT-13-219 / Sat	8010	HBR2-10618 SH00202	9/23/201
Comments:	A visual examinatio	n was performed on the insulated piping p	enetration surface	to the require	ments of ASME Section XI, 2	001 Edition (hru 2003 Addenda with sa	tisfactory resu
523000	S-43	PIPING PENETRATION SURFACE (PI)	E1.11	NDEP-0620	VT. / VT-13-220 / Sat	8010	HBR2-10618 SH00202	9/23/201
Comments:	A visual examinatio	n was performed on the insulated piping p	enetration surface	to the require	ments of ASME Section XI, 2	001 Edition (hru 2003 Addenda with sa	lisfactory resu
526000	S-44	PIPING PENETRATION SURFACE (PI)	E1.11	NDEP-0620	VT / VT-13-221 / Sat	8010	HBR2-10618 SH00202	9/23/201
Comments:	A visual examinatio	n was performed on the insulated piping p		to the require	ments of ASME Section XI, 2	001 Edition t		
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Summary No.	Comp. ID	Component Description	item No.	Procedure	Method/Report/Results	System	Dwg/180	Exam Date
529000	S-45	PIPING PENETRATION SURFACE (PI)	E1.11	NDEP-0620	VT / VT-13-222 / Sat	8010	HBR2-10618 SH00202	9/23/2013
Comments:	A visual examination	n was performed on the insulated piping per	netration surface	e to the require	ements of ASME Section XI, 2	2001 Edition	thru 2003 Addenda with sa	lisfactory results.
532000	S-46	PIPING PENETRATION SURFACE (PI)	E1.11	NDEP-0620	VT / VT-13-223 / Sat	8010	HBR2-10618 SH00200	9/18/2013
				NDEP-0620	VT / VT-13-225 / Sat	8010	HBR2-10618 SH00200	9/20/2013
Comments:	A visual examinatio	n was performed on the insulated piping per	netration surfac	e to the require	ements of ASME Section XI, 2	001 Edition	thru 2003 Addenda with sa	lisfactory results.

TAB G LINER RESTORATION SUMMARY

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Summar No.	y Comp. ID	Component Description	item No.	Procedure	Mathod/Report/Results	System	Dwg/ISO	Exam Date
Class N	IC Category E-A							
065000	228-CC	PANEL ADJACENT TO 228-BB(L) & 228-DD(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/10/2013
Comment	A visual examination wa results satisfactory.	is performed on the containment liner panel surface to	the requirer	nents of ASM	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	₹-01 with final
065000	228-CC	PANEL ADJACENT TO 228-BB(L) & 228-DD(R)	E1.30	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10818 SH00195	9/17/2013
Comments	A visual examination wa RR-02 with satisfactory	is performed on the containment liner panel moisture t results.	parrier surfac	e to the requi	rements of ASME Section XI,	2001 Editio	n thru 2003 Addenda and	relief request
067000	228-DD	PANEL ADJACENT TO 228-BB(L) & 228-DD(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/11/2013
Comment	A visual examination wa results satisfactory.	is performed on the containment liner panel surface to	the requirer	nents of ASMI	E Section XI, 2001 Edition thru	2003 Add	enda and relief request Rf	t-01 with final
067000	228-DD	PANEL ADJACENT TO 228-BB(L) & 228-DD(R)	E1.30	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	9/17/2013
Comments	A visual examination wa RR-02 with satisfactory	is performed on the containment liner panel moisture b results.	arrier surfac	e to the requir	ements of ASME Section XI, 2	2001 Editio	n thru 2003 Addenda and	relief request
576500	232-AA	PANEL ADJACENT TO 232-Z(L) & 232-BB(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/3/2013
Commente	A visual examination wa results satisfactory.	s performed on the containment liner panel surface to	the requiren	nents of ASME	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	t-01 with final
576600	232-BB	PANEL ADJACENT TO 232-AA(L) & 232-CC(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10818 SH00195	10/3/2013
Comments	A visual examination wa results satisfactory.	s performed on the containment liner panel surface to	the requiren	nents of ASME	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	t-01 with final
576400	232-Z	PANEL ADJACENT TO 232-Y(L) & 232-AA(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/4/2013
Comments	A visual examination wa results satisfactory.	s performed on the containment liner panel surface to	the requiren	nents of ASME	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	t-01 with final
577800	238-AA	PANEL ADJACENT TO 236-Z(L) & 236-BB(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/3/2013
Comments	A visual examination wa results satisfactory.	s performed on the containment liner panel surface to	the requirem	ients of ASME	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	t-01 with final
577900	236-88	PANEL ADJACENT TO 238-AA(L) & 236-CC(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/3/2013
Comments	A visual examination was results satisfactory.	s performed on the containment liner panel surface to	the requirem	nents of ASME	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	I-01 with final.
578000	236-CC	PANEL ADJACENT TO 236-BB(L) & 236-DD(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/3/2013
Comments	A visual examination was results satisfactory.	s performed on the containment liner panel surface to	the requiren	nents of ASME	Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	-01 with final
577500	236-X	PANEL ADJACENT TO 238-W(L) & 236-Y(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/4/2013
Comments	A visual examination was results satisfactory.	s performed on the containment liner panel surface to	the requirem	ients of ASME	Section XI, 2001 Edition thru	2003 Adde	enda and relief request RF	-01 with final
577600	238-Y	PANEL ADJACENT TO 238-X(L) & 236-Z(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/4/2013
Comments	A visual examination was results satisfactory.	s performed on the containment liner panel surface to	the requirem	ients of ASME	Section XI, 2001 Edition thru	2003 Adde	enda and relief request RR	-01 with final

Summery No.	Comp. ID	Component Description	item No.	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
577700	238-Z	PANEL ADJACENT TO 236-Y(L) & 236-AA(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/4/2013
Comments:	A visual examination was results satisfactory.	s performed on the containment liner panel surface to	the requirer	nents of ASM	E Section XI, 2001 Edition thn	1 2003 Add	enda and relief request RF	R-01 with final
580000	240-AA	PANEL ADJACENT TO 240-Z(L) & 240-BB(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/2/2013
Comments:	A visual examination was results satisfactory.	a performed on the containment liner panel surface to	the requirer	nents of ASME	E Section XI, 2001 Edition thru	2003 Add	enda and reflef request RF	R-01 with final
580100	240-8B	PANEL ADJACENT TO 240-AA(L) & 240-CC(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/3/2013
Comments:	A visual examination was results satisfactory.	s performed on the containment liner panel surface to	the requirer	nents of ASME	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	R-01 with final
580200	240-CC	PANEL ADJACENT TO 240-BB(L) & 240-DD(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10518 SH00195	10/3/2013
Comments:	A visual examination was results satisfactory.	s performed on the containment liner panel surface to	the requiren	nents of ASME	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	R-01 with final
579700	240-X	PANEL ADJACENT TO 240-W(L) & 240-Y(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/2/2013
Comments:	A visual examination was results satisfactory.	s performed on the containment liner panel surface to	the requirem	nents of ASME	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	R-01 with final
579800	240-Y	PANEL ADJACENT TO 240-X(L) & 240-Z(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/2/2013
Comments:	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the requiren	nents of ASME	E Section XI, 2001 Edition thru	2003 Add	anda and relief request RF	R-01 with final
Evaluation Disposition	Acceptable: Minimum w	all identified as .250", acceptable per RNP-C/STRU-1	128, Rev. 6.	Successive e	examination has been schedul	ed for the 3	Ind Period.	·
579900	240-Z	PANEL ADJACENT TO 240-Y(L) & 240-AA(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/2/2013
Comments:	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the requiren	ents of ASME	Section XI, 2001 Edition thru	2003 Adde	anda and relief request RR	1-01 with final
582200	244-AA	PANEL ADJACENT TO 244-Z(L) & 244-BB(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/4/2013
Comments:	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the requirem	ents of ASME	Section XI, 2001 Edition thru	2003 Adde	enda and relief request RR	I-01 with final
582300	244-88	PANEL ADJACENT TO 244-AA(L) & 244-CC(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/4/2013
Comments:	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the requirem	ients of ASME	Section XI. 2001 Edition thru	2003 Adde	anda and relief request RR	-01 with final
582400	244-CC	PANEL ADJACENT TO 244-BB(L) & 244-DD(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/4/2013
	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the requirem	ents of ASME	Section XI, 2001 Edition thru	2003 Adde	enda and relief request RR	1-01 with final
581900	244-X	PANEL ADJACENT TO 244-W(L) & 244-Y(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/2/2013
	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the requirem	ents of ASME	Section XI, 2001 Edition thru	2003 Adde	inde and relief request RR	-01 with final
582000	244-Y	PANEL ADJACENT TO 244-X(L) & 244-Z(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/2/2013
	A visual examination was results satisfactory.	performed on the containment liner panel surface to I	the requirem	ients of ASME	Section XI, 2001 Edition thru	2003 Adde	nda and relief request RR	-01 with final

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Summary No.	Comp. ID	Component Description	item No.	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
582100	244-Z	PANEL ADJACENT TO 244-Y(L) & 244-AA(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/2/2013
Comments:	A visual examination waresults satisfactory.	as performed on the containment liner panel surface to	the requirer	ments of ASM	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	l-01 with final
584400	248-AA	PANEL ADJACENT TO 248-Z(L) & 248-BB(R)	E1.11	NDEP-0620	VT / CM-764 / Sai	8010	HBR2-10618 SH00195	10/2/2013
Comments:	A visual examination wa results satisfactory.	as performed on the containment liner panel surface to I	lhe requirer	nents of ASM	E Section XI, 2001 Edition Ihru	2003 Add	enda and relief request RR	-01 with final
584500	248-88	PANEL ADJACENT TO 248-AA(L) & 248-CC(R)	E1.11	NDEP-0620	VT / CM-764 / Sal	8010	HBR2-10618 SH00195	10/4/2013
Comments:	A visual examination wa results satisfactory.	as performed on the containment liner panel surface to t	the requirer	nents of ASM	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	-01 with final
Evaluation Disposition	Acceptable: Minimum	well identified as .375", acceptable per RNP-C/STRU-11	28, Rev. 6	Successive (examination has been schedul	ed for the :	3rd Period.	·
584600	248-CC	PANEL ADJACENT TO 248-BB(L) & 248-DD(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/4/2013
Comments:	A visual examination wa results satisfactory.	as performed on the containment liner panel surface to	the requirer	nents of ASMI	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	-01 with final
584100	248-X	PANEL ADJACENT TO 248-W(L) & 248-Y(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/2/2013
Comments:	A visual examination wa results satisfactory.	as performed on the containment liner panel surface to t	the requirer	nents of ASM	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	-01 with final
584200	248-Y	PANEL ADJACENT TO 248-X(L) & 248-Z(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/2/2013
Comments:	A visual examination wa results satisfactory.	as performed on the containment liner panel surface to t	he requirer	nents of ASM	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	-01 with final
584300	248-2	PANEL ADJACENT TO 248-Y(L) & 248-AA(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/2/2013
Comments:	A visual examination wa results satisfactory.	is performed on the containment liner panel surface to t	he requiren	nents of ASME	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	-01 with final
569800	280-A	PANEL ADJACENT TO 280-CCC(L) & 280-B(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/2/2013
Comments:		is performed on the containment liner panel surface to t is was a successive period examination as required by /	-		E Section XI, 2001 Edition thru	2003 Add	enda and relief request RR	-01 with final
573500	280-888	PANEL ADJACENT TO 280-AAA(L) & 280-CCC(R)			VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/2/2013
Comments:		is performed on the containment liner panel surface to t is was a successive period examination as required by A			E Section XI, 2001 Edition thru	2003 Add	and and relief request RR	-01 with final
570200	280-E	PANEL ADJACENT TO 280-D(L) & 280-F(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/9/2013
Comments:	A visual examination wa results satisfactory.	is performed on the containment liner panel surface to t	he requiren	nents of ASME	E Section XI, 2001 Edition thru	2003 Addi	anda and relief request RR	-01 with final
Evaluation Disposition	Acceptable: Min wall ca	Iculated @ .1875" and is evaluated as acceptable per F	RNP-C/STR	U-1128, Rev.	6. Successive examination ha	is been sc	heduled for the 3rd Period.	
570300	280-F	PANEL ADJACENT TO 280-E(L) & 280-G(R)	E1.11	NDEP-0520	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/9/2013
Comments:	A visual examination wa results satisfactory.	is performed on the containment liner panel surface to t	he requiren	nents of ASME	E Section XI, 2001 Edition thru	2003 Add	enda and relief request RR	-01 with final
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Summary No.	Comp. ID	Component Description	ltem No.	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Dat
570600	280-K	PANEL ADJACENT TO 280-J(L) & 280-L(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/9/2013
Comments:	A visual examination was results satisfactory.	s performed on the containment liner panel surface to	the requirer	ments of ASM	E Section XI, 2001 Edition th	iru 2003 Add	enda and relief request RI	R-01 with fina
570700	280-L	PANEL ADJACENT TO 280-K(L) & 280-M1(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/9/2013
Comments:	A visual examination was results satisfactory.	s performed on the containment linar panel surface to	the requirer	ments of ASME	E Section XI, 2001 Edition th	ıru 2003 Addı	enda and relief request RI	R-01 with fina
Evaluation Disposition	Acceptable: Min wall cal	iculated @ 0.1875" and is evaluated as acceptable pe	r RNP-C/ST	RU-1128, Rev	6. Successive examinatio	n has been s	cheduled for the 3rd Perio	d.
633400	280-LL	PANEL ADJACENT TO 280-KK(L) & 280-MM(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/9/2013
Comments	A visual examination was results satisfactory.	s performed on the containment liner panel surface to	the requirer	ments of ASME	E Section XI, 2001 Edition th	ru 2003 Addi	enda and relief request Rf	R-01 with fina
Evaluation Disposition	Acceptable: Minimum w	all calculated @ 0.250" and is evaluated as acceptable	e per RNP-(C/STRU-1128,	Rev. 6. Successive examin	nation has be	en scheduled for the 3rd F	enod.
570800	280-M1	PANEL ADJACENT TO 280-L(L) & 280-M2(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/9/2013
Comments:	A visual examination was results satisfactory.	s performed on the containment liner panel surface to	the requirer	nents of ASME	E Section XI, 2001 Edition th	ru 2003 Adde	enda and relief request Rf	R-01 with fina
Evaluation Disposition	Acceptable: Minimum w	all calculated @ 0.250" and is evaluated as acceptabl	e per RNP-0	C/STRU-1128,	Rev. 6. Successive examin	ation has be	en scheduled for the 3rd F	Period.
570900	280-M2	PANEL ADJACENT TO 280-M1(L) & 280-M3(R)	E1.11	NDEP-0820	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/9/2013
Comments:	A visual examination was results satisfactory.	s performed on the containment liner panel surface to	the requiren	nents of ASME	E Section XI, 2001 Edition th	ru 2003 Adde	enda and relief request RF	R-01 with fina
Evaluation Disposition	Acceptable: Minimum wa	all calculated @ 0.250" and is evaluated as acceptabl	e per RNP-C	C/STRU-1128,	Rev. 6. Successive examin	ation has be	en scheduled for the 3rd F	enod.
833500	280-MM	PANEL ADJACENT TO 280-LL(L) & 280-NN(R)	E1.11	NDEP-0620	VT / CM-784 / Sat	8010	HBR2-10618 SH00195	10/9/2013
Comments:	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the requiren	nents of ASME	E Section XI, 2001 Edition th	nu 2003 Adde	inda and relief request RF	R-01 with fina
Evaluation Disposition	Acceptable: Minimum wa	all calculated @ 0.250" and is evaluated as acceptabl	e per RNP-C	C/STRU-1128,	Rev. 6. Successive examin	ation has bee	an scheduled for the 3rd F	eriod.
572800	280-SS	PANEL ADJACENT TO 280-RR(L) & 280-TT(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/9/2013
Comments:		performed on the containment liner panel surface to was a successive period examination as required by	•		Section XI, 2001 Edition th	ru 2003 Adde	inde and relief request RF	-01 with final
72900	280-TT	PANEL ADJACENT TO 280-SS(L) & 280-UU(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/9/2013
Comments:		performed on the containment finer panel surface to was a successive period examination as required by	•		Section XI, 2001 Edition th	ru 2003 Adde	nda and relief request RF	1-01 with final
			E1.11	NDFP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/9/2013
573000	280-UU	PANEL ADJACENT TO 280-TT(L) & 280-VV(R)						10.0.2010

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Summary No.	Comp. (D	Component Description	item No.	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
573100	280-VV	PANEL ADJACENT TO 280-UU(L) & 280-WW(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/9/2013
Comments:		as performed on the containment liner panel surface to is was a successive period examination as required by			E Section XI, 2001 Edition the	u 2003 Addi	enda and relief request RF	R-01 with final
632000	280-X	PANEL ADJACENT TO 280-W(L) & 280-Y(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination wa results satisfactory.	is performed on the containment liner panel surface to	the requirer	nents of ASME	E Section XI, 2001 Edition thr	u 2003 Adde	enda and relief request RF	t-01 with final
632100	260-Y	PANEL ADJACENT TO 280-X(L) & 280-Z(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10818 SH00195	10/7/2013
Comments:	A visual examination wa results satisfactory.	is performed on the containment liner panel surface to	the requirer	nents of ASME	E Section XI, 2001 Edition thr	u 2003 Adde	enda and relief request RF	t-01 with final
632200 ·	280-Z	PANEL ADJACENT TO 280-Y(L) & 280-AA(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination wa results satisfactory.	s performed on the containment liner panel surface to	the requirer	nents of ASME	E Section XI, 2001 Edition the	u 2003 Adde	enda and relief request RF	R-01 with final
635200	284-AA	PANEL ADJACENT TO 284-Z(L) & 284-BB(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10818 SH00195	10/7/2013
Comments:	A visual examination wa results satisfactory.	is performed on the containment liner panel surface to	the requirer	nents of ASME	E Section XI, 2001 Edition thn	u 2003 Adde	enda and relief request RF	R-01 with final
635000	284-Y	PANEL ADJACENT TO 284-X(L) & 284-Z(R)	·E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10818 SH00195	10/7/2013
Comments:	A visual examination wa results satisfactory.	is performed on the containment liner panel surface to	ihe requirer	nents of ASME	E Section XI, 2001 Edition thn	1 2003 Adde	enda and relief request RR	l-01 with final
635100	284-Z	PANEL ADJACENT TO 284-Y(L) & 284-AA(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination wa results satisfactory.	s performed on the containment liner panel surface to	ihe requirer	nents of ASME	E Section XI, 2001 Edition thn	1 2003 Adde	anda and relief request RR	l-01 with final
640100	288-X	PANEL ADJACENT TO 288-W(L) & 288-Y(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination wa results satisfactory.	s performed on the containment liner panel surface to I	he requiren	nents of ASME	Section XI, 2001 Edition thn	2003 Adde	enda and relief request RR	-01 with final
640200	288-Y	PANEL ADJACENT TO 288-X(L) & 288-Z(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination wa results setisfactory.	s performed on the containment liner panel surface to t	he requiren	nents of ASME	Section XI, 2001 Edition Ihn	u 2003 Adde	enda and relief request RR	-01 with final
640300	288-Z	PANEL ADJACENT TO 288-Y(L) & 288-AA(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination wa results satisfactory.	s performed on the containment liner panel surface to t	he requiren	nents of ASME	Section XI, 2001 Edition thn	ı 2003 Adde	enda and relief request RR	-01 with final
646100	292-AA	PANEL ADJACENT TO 292-Z(L) & 292-BB(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination wa results satisfactory.	s performed on the containment liner panel surface to t	he requiren	nents of ASME	Section XI, 2001 Edition thn	u 2003 Adde	anda and relief request RR	-01 with final
645900	292-Y	PANEL ADJACENT TO 292-X(L) & 292-Z(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination wa results satisfactory.	s performed on the containment liner panel surface to t	he requiren	nents of ASME	Section XI, 2001 Edition thn	1 2003 Adde	enda and relief request RR	-01 with final
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Summary No.	Comp. ID	Component Description	item No.	Procedure	Method/Report/Results	8ystem	Dwg/ISO	Exam Date
646000	292-Z	PANEL ADJACENT TO 292-Y(L) & 292-AA(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the require	ments of ASME	Section XI, 2001 Edition thru	1 2003 Add	enda and relief request RI	R-01 with final
651500	296-X	PANEL ADJACENT TO 296-W(L) & 296-Y(R)	E1.11	NDEP-0620	VT. / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the require	ments of ASME	Section XI, 2001 Edition thru	2003 Add	enda and relief request RF	R-01 with final
651600	296-Y	PANEL ADJACENT TO 298-X(L) & 296-Z(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the require	ments of ASME	Section XI, 2001 Edition thru	2003 Add	anda and relief request Rf	R-01 with final
651700	296-Z	PANEL ADJACENT TO 298-Y(L) & 296-AA(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the require	ments of ASME	Section XI, 2001 Edition thn.	2003 Add	enda and relief request RF	R-01 with final
657600	300-AA	PANEL ADJACENT TO 300-Z(L) & 300-BB(R)	E1,11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination was results satisfactory.	performed on the containment liner panel surface to) the require	nents of ASME	Section XI, 2001 Edition thru	2003 Add	anda and relief request RF	R-01 with final
657400	300-Y	PANEL ADJACENT TO 300-X(L) & 300-Z(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the requirer	ments of ASME	Section XI, 2001 Edition thru	2003 Add	anda and relief request RF	R-01 with final
657500	300-Z	PANEL ADJACENT TO 300-Y(L) & 300-AA(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10818 SH00195	10/7/2013
Comments:	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the requirer	ments of ASME	Section XI, 2001 Edition thru	2003 Adde	anda and relief request RF	R-01 with final
363100	304-X	PANEL ADJACENT TO 304-W(L) & 304-Y(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the requirer	nents of ASME	Section XI, 2001 Edition thru	2003 Adde	anda and relief request RF	t-01 with final
63200	304-Y	PANEL ADJACENT TO 304-X(L) & 304-Z(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the requirer	nents of ASME	Section XI, 2001 Edition thru	2003 Adde	anda and relief request RF	R-01 with final
63300	304-Z	PANEL ADJACENT TO 304-Y(L) & 304-AA(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
COMMONIE'	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the requirer	nents of ASME	Section XI, 2001 Edition thru	2003 Adde	enda and relief request RR	t-01 with final
69100	308-AA	PANEL ADJACENT TO 308-Z(L) & 308-BB(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments'	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the requirer	nents of ASME	Section XI, 2001 Edition thru	2003 Adde	inda and relief request RR	l-01 with final
575600	308-UU	PANEL ADJACENT TO 308-TT(L) & 308-VV(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/8/2013
	A visual examination was results satisfactory.	performed on the containment liner panel surface to	the requirem	nents of ASME	Section XI, 2001 Edition thru	2003 Adde	nda and relief request RR	l-01 with final
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Summary No.	Comp. ID	Component Description	item No.	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
671100	308-VV	PANEL ADJACENT TO 308-UU(L) & 308-WW(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/8/2013
Comments:	A visual examination wa results satisfactory.	s performed on the containment liner panel surface to	the requirer	nents of ASMI	E Section XI, 2001 Edition the	u 2003 Add	ende and relief request RF	R-01 with final
668900	308-Y	PANEL ADJACENT TO 308-X(L) & 308-Z(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
Comments:	A visual examination was results satisfactory.	s performed on the containment liner panel surface to	the requirer	nents of ASMI	E Section XI, 2001 Edition the	u 2003 Add	enda and relief request RF	2-01 with final
Evaluation Disposition	Acceptable: Minimum w	rall calculated @ 0.28125" and is evaluated as accepta	ible per RN	P-C/STRU-11:	28, Rev. 6. Successive exam	ination has	been scheduled for the 3m	d Period.
669000	308-Z	PANEL ADJACENT TO 308-X(L) & 308-Z(R)	E1.11	NDEP-0620	VT / CM-764 / Sat	8010	HBR2-10618 SH00195	10/7/2013
	A visual examination was results satisfactory.	s performed on the containment liner panel surface to	the requirer	ments of ASM	E Section XI, 2001 Edition the	u 2003 Add	enda and relief request RF	R-01 with final
043100	EQUIP-HATCH-EQ-1A	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-226 / Unsat	8010	HBR2-10618 SH00198	9/27/2013
				NDEP-0620	VT / VT-13-244 / Unsat	8010	HBR2-10618 SH00198	9/27/2013
· •	· · ·			NDEP-0820	VT / VT-13-261 / Sat	8010	HBR2-10618 SH00198	10/6/2013
	A visual examination was final results satisfactory.	s performed on the equipment hatch cylinder surface t	o the requir	ements of ASI	ME Section XI, 2001 Edition the	nru 2003 Ad	Idenda and relief request F	R-01 with
043200	EQUIP-HATCH-EQ-18	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-227 / Unsat	8010	HBR2-10618 SH00198	10/1/2013
				NDEP-0620	VT / VT-13-245 / Unsat	8010	HBR2-10618 SH00198	10/3/2013
· · · · ·	1. A.	· · · · · · · · · · · · · · · · · · ·		NDEP-0620	VT / VT-13-262 / Unsat	8010	HBR2-10618 SH00198	10/6/2013
	A visual examination was final results evaluated sa	s performed on the equipment hatch cylinder surface to the surface	o the requin	ements of ASI	ME Section XI, 2001 Edition the	iru 2003 Ad	idenda and relief request F	R-01 with
043500	EQUIP-HATCH-EQ-2A	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-228 / Unsat	8010	HBR2-10618 SH00198	9/27/2013
				NDEP-0620	VT / VT-13-246 / Unsat	8010	HBR2-10618 SH00198	9/30/2013
. • •.	· · ·			NDEP-0620	VT / VT-13-263 / Sat	8010	HBR2-10818 SH00198	10/6/2013
	A visual examination was final results satisfactory.	s performed on the equipment hatch cylinder surface to	o the require	ements of ASM	IE Section XI, 2001 Edition th	iru 2003 Ad	denda and relief request F	R-01 with
43700	EQUIP-HATCH-EQ-3A	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-229 / Unsat	8010	HBR2-10618 SH00198	9/27/2013
				NDEP-0620	VT / VT-13-247 / Unsat	8010	HBR2-10618 SH00198	8/27/2013
	· ·	· · · · ·		NDEP-0620	VT / VT-13-264 / Sat	8010	HBR2-10618 SH00198	10/2/2013
	A visual examination was final results satisfactory.	s performed on the equipment hatch cylinder surface to	o the require	ements of ASN	AE Section XI, 2001 Edition th	ru 2003 Ad	denda and relief request R	R-01 with
43900	EQUIP-HATCH-EQ-4A	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-230 / Unsat	8010	HBR2-10618 SH00198	9/30/2013
				NDEP-0620	VT / VT-13-265 / Unsat	8010	HBR2-10618 SH00198	9/30/2013
t e give	•	. · · ·		NDEP-0620	VT / VT-13-279 / Sat	8010	HBR2-10618 SH00198	10/5/2013
	A visual examination was final results satisfactory.	performed on the equipment hatch cylinder surface to	o the require	ements of ASA	E Section XI, 2001 Edition th	ru 2003 Ad	denda and relief request R	

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Summary No.	Comp. ID	Component Description	item No.	Procedure	Method/Report/Results	System	Dwg/ISO	Exem Date
044000	EQUIP-HATCH-EQ-4B	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-231 / Unsat	8010	HBR2-10618 SH00198	9/30/2013
				NDEP-0620	VT / VT-13-248 / Unsat	8010	HBR2-10618 SH00198	9/30/2013
				NDEP-0620	VT / VT-13-266 / Sal	8010	HBR2-10618 SH00198	10/5/2013
Comments:	A visual examination was final results satisfactory.	s performed on the equipment hatch cylinder surfac	e to the requir	ements of ASI	ME Section XI, 2001 Edition the	nru 2003 Ad	denda and relief request I	R-01 with
044100	EQUIP-HATCH-EQ-5A	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-232 / Sat	8010	HBR2-10618 SH00198	9/30/2013
				NDEP-0620	VT / VT-13-249 / Sat	8010	HBR2-10618 SH00198	9/30/2013
	1			NDEP-0620	VT / VT-13-267 / Sat	8010	HBR2-10618 SH00198	10/5/2013
Comments:	A visual examination was final results satisfactory.	performed on the equipment hatch cylinder surface	e to the requir	ements of ASI	ME Section XI, 2001 Edition th	iru 2003 Ad	denda and relief request f	R-01 with
044300	EQUIP-HATCH-EQ-6A	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-233 / Unsat	8010	HBR2-10618 SH00198	9/30/2013
				NDEP-0620	VT / VT-13-250 / Unsat	8010	HBR2-10618 SH00198	9/29/2013
· .	· · ·				VT / VT-13-268 / Sat	8010	HBR2-10618 SH00198	10/5/2013
Comments:	A visual examination was final results satisfactory.	performed on the equipment hatch cylinder surface	e to the requir			iru 2003 Ad	• •	R-01 with
044500	EQUIP-HATCH-EQ-7A	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-234 / Sat	8010	HBR2-10618 SH00198	9/30/2013
				NDEP-0620	VT / VT-13-251 / Unsat	8010	HBR2-10618 SH00198	9/28/2013
Sec. 2				NDEP-0620	VT / VT-13-269 / Unsat	8010	HBR2-10618 SH00198	10/5/2013
Comments:	A visual examination was final results evaluated sa	performed on the equipment hatch cylinder surface isfactory.	e to the requin	ements of ASI	ME Section XI, 2001 Edition th	iru 2003 Ad	denda and relief request f	R-01 with
044700	EQUIP-HATCH-EQ-BA	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-235 / Sat	8010	HBR2-10618 SH00198	9/30/2013
				NDEP-0620	VT / VT-13-252 / Unsat	8010	HBR2-10618 SH00198	9/30/2013
•	· · · · ·	· · · · · · · · · · · · · · · · · · ·		NDEP-0620	VT / VT-13-270 / Unsat	8010	HBR2-10618 SH00198	10/5/2013
Comments:	A visual examination was final results evaluated sat	performed on the equipment hatch cylinder surface isfactory.	e to the requin	ements of ASI	ME Section XI, 2001 Edition th	ru 2003 Ad	denda and relief request F	R-01 with
044900	EQUIP-HATCH-EQ-9A	EQUIPMENT HATCH CYLINDER SURFACE	E1,11	NDEP-0620	VT / VT-13-243 / Sat	8010	HBR2-10618 SH00198	9/30/2013
				NDEP-0620	VT / VT-13-253 / Sat	8010	HBR2-10618 SH00198	9/28/2013
		5 m		NDEP-0620	VT / VT-13-271 / Sat	8010	HBR2-10618 SH00198	10/5/2013
Comments:	A visual examination was final results satisfactory.	performed on the equipment hatch cylinder surface	to the require	aments of ASM	ME Section XI, 2001 Edition th	ru 2003 Ad		R-01 with
045100	EQUIP-HATCH-EQ-10A	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-236 / Unsat	B010	HBR2-10618 SH00198	9/30/2013
				NDEP-0620	VT / VT-13-254 / Unsat	8010	HBR2-10618 SH00198	9/28/2013
				NDEP-0620	VT / VT-13-272 / Sat	8010	HBR2-10618 SH00198	10/5/2013
	A visual examination was final results satisfactory.	performed on the equipment hatch cylinder surface	to the require	ements of ASM	AE Section XI, 2001 Edition th	ru 2003 Ad		
045300	EQUIP-HATCH-EQ-11A	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-237 / Sat	8010	HBR2-10618 SH00198	9/30/2013
• •				NDEP-0620	VT / VT-13-255 / Sat	8010	HBR2-10618 SH00198	9/28/2013
1.1	• • • • • •				VT / VT-13-273 / Sat	8010	HBR2-10618 SH00198	10/5/2013
	A visual examination was final results satisfactory.	performed on the equipment hatch cylinder surface	to the require	ments of ASM	/E Section XI, 2001 Edition th	ru 2003 Add		

Summary No.	Comp. ID	Component Description	item No.	Procedure	Method/Report/Results	System	DwgfiSO	Exam Date
045500	EQUIP-HATCH-EQ-12A	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-238 / Sat	8010	HBR2-10618 SH00198	9/30/2013
				NDEP-0620	VT / VT-13-256 / Unsat	8010	HBR2-10618 SH00198	9/30/2013
				NDEP-0620	VT / VT-13-274 / Sat	8010	HBR2-10618 SH00198	10/9/2013
Comments:	A visual examination was final results satisfactory.	performed on the equipment hatch cylinder surface	to the requir	ements of ASI	ME Section XI, 2001 Edition th	iru 2003 Ad	denda and relief request F	RR-01 with
045600	EQUIP-HATCH-EQ-12B	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-239 / Unsat	8010	HBR2-10618 SH00198	8/30/2013
				NDEP-0620	VT / VT-13-257 / Unsat	8010	HBR2-10618 SH00198	10/1/2013
				NDEP-0620	VT / VT-13-275 / Sat	8010	HBR2-10618 SH00198	10/5/2013
	A visual examination was final results satisfactory.	performed on the equipment hatch cylinder surface	to the requir	ements of ASI	ME Section XI, 2001 Edition the	iru 2003 Ad	denda and relief request F	RR-01 with
045700	EQUIP-HATCH-EQ-13A	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-240 / Unsat	8010	HBR2-10618 SH00198	9/27/2013
				NDEP-0620	VT / VT-13-258 / Unsat	8010	HBR2-10618 SH00198	9/30/2013
				NDEP-0620	VT / VT-13-276 / Sal	8010	HBR2-10618 SH00198	10/7/2013
	A visual examination was final results satisfactory.	performed on the equipment hatch cylinder surface	to the requir	ements of ASI	ME Section XI, 2001 Edition th	iru 2003 Ad	denda and relief request F	RR-01 with
045900	EQUIP-HATCH-EQ-14A	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-241 / Unsat	8010	HBR2-10618 SH00198	9/27/2013
				NDEP-0620	VT / VT-13-259 / Unsat	8010	HBR2-10618 SH00198	9/27/2013
				NDEP-0620	VT / VT-13-277 / Sat	8010	HBR2-10618 SH00198	10/6/2013
	A visual examination was final results satisfactory.	performed on the equipment hatch cylinder surface	to the requir	ements of ASI	WE Section XI, 2001 Edition If	iru 2003 Ad	denda and relief request F	RR-01 with
046100	EQUIP-HATCH-EQ-15A	EQUIPMENT HATCH CYLINDER SURFACE	E1.11	NDEP-0620	VT / VT-13-242 / Unsat	8010	HBR2-10618 SH00198	9/27/2013
				NDEP-0620	VT / VT-13-260 / Unsat	8010	HBR2-10618 SH00198	9/27/2013
				NDEP-0620	VT / VT-13-278 / Sat	8010	HBR2-10618 SH00198	10/6/2013
	A visual examination was final results satisfactory.	performed on the equipment hatch cylinder surface	to the requir	ements of ASI	ME Section XI, 2001 Edition th	ru 2003 Ad	denda and relief request F	R-01 with
	All examination areas ass	ociated with the equipment hatch cylinder sheathing	/insutation p	anels was resu	olved prior to the reinstallation	of the shea	thing/insulation installation	n.

H EXAMINATION PERCENTAGE SUMMARY

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TAB

	TOTAL	INTERVAL	INTERVAL	INTERVAL	NUMBER S	CHEDULED/C	OMPLETED
CATEGORY	NUMBER OF	NUMBER	NUMBER	PERCENT	1 ^{sr}	2 ND	3 RD
	COMPONENTS	REQUIRED	COMPLETE	COMPLETE	PERIOD	PERIOD	PERIOD
B-A	20	20	0	0%	0/0	0/0	20/0
8-B	13	5	0	0%	1/0	2/0	2/0
B-D	36	24	2	8%	3/2	5/0	16/0
B-F	12	12	3	25%	4/3	4/0	4/0
B-G-12	347	248	0	0%	0/0	0/0	248/0
B-G-23	44	44	4	9%	4/4	0/0	0/0
B-J	736	184	2	1%	62/2	62/0	60/0
B-K	50	6	0	0%	2/0	2/0	2/0
B-L-22	3	1	0	0%	0/0	0/0	0/0
B-M-22	11	3	0	0%	0/0	0/0	0/0
B-N-1	1	3	1	33%	1/1	1/0	1/0
B-N-2	1	1	0	0%	0/0	0/0	1/0
B-N-3	1	1	0	0%	0/0	0/0	1/0
B-O	56	6	0	0%	2/0	2/0	2/0
B-P	1	6	1 of 6	16%	2/1	2/0	2/0
B-Q	3	TECH SPEC	N/A	N/A	N/A	N/A	N/A

CLASS 1 SUMMARY TABLE

* Deferral Permissible ¹ Relief Request ² Examination only required if component is disassembled ³ Only one component per group requires examination

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	TOTAL	INTERVAL	INTERVAL	INTERVAL	# SCHEDULED/COMPLETED			
CATEGORY	NUMBER OF COMPONENTS	NUMBER REQUIRED	NUMBER COMPLETE	PERCENT COMPLETE	1 st PERIOD	2 ND PERIOD	3 RD PERIOD	
C-A	21	9	0	0%	3/0	3/0	3/0	
С-В	26	10	0	0%	4/0	2/0	4/0	
C-C	179	8	2	33%	3/2	2/0	3/0	
C-D	1	1	0	0%	0/0	1/0	0/0	
C-F-1	1137	86	5	5%	29/5	28/0	29/0	
C-F-2	253	28	0	0%	9/0	10/0	9/0	
C-H	11	11 (per period)	6 of 33	18%	11/6	11/0	11/0	

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CLASS 2 SUMMARY TABLE

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	TOTAL	INTERVAL	INTERVAL	INTERVAL	# SCHE	DULED/COM	PLETED
CATEGORY	NUMBER OF COMPONENTS	NUMBER REQUIRED	NUMBER COMPLETE	PERCENT COMPLETE	1 st PERIOD	2 ND PERIOD	3 RD PERIOD
F-A F1.10	199	50	4	8%	17/4	17/0	17/0
F-A, F1.20	533	80	16	20%	26/16	27/0	27/0
F-A, F1.30	465	47	16	34%	16/16	16/0	16/0
F-A, F1.40	88 Supports on 46 components (24 Groups)	44	8	18%	12/8	15/0	17/0

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CLASS 1, 2, & 3 SUPPORT SUMMARY TABLE

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TAB I REPAIR AND REPLACEMENT SUMMARY

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Work Order	NIS2 #:	Component ID	R/R Activity	System #	R/R Description
665621	13-001	SV1-4B	Valve Disc	3020	Replaced valve disc.
618508	13-002	SW-PMP-A	Pump	4080	Replaced SW-PMP-A pump with new pump
1933717-18	13-003	SI-PMP-B	Casing Stud	2080	Replaced casing studs # 2, 4, 6, 10 & 14.
800340	13-004	FCV-498	Studs (3) Nuts (20)	3050	Replace body to bonnet studs (3) and nuts (20)
990868	13-005	SG-A-PM-CVR	Manway Botting	3005	Replaced hot and cold leg manway boiling with spare rotating set. Replaced hot leg studs 2, 9, 10, 14,& 16 with new. Replaced cold leg studs 10 & 11 with new.
016550	13-006	SG-B-PM-CVR	Manway Bolling	3005	Replaced hot and cold leg manway bolting with spare rotating sel. Replaced hot leg studs 3, 4, 5, 8, 11, & 12 with new. Replaced cold leg studs 1, 4, 8, & 15 with new.
2064235	13-007	Snubber-RSV-A	Hydraulic fluid reservior	3005	Replaced snubber hydraulic fluid reservoir
290058	13-008	SI-875N	Ріре сар	2080	Replace valve SI-876N cap.
057206	13-009	RC-545A	Valve	2005	Replaced valve
148449	13-010	CVC-398A	Valve Bonnet	2060	Replaced bonnel assembly
085930-12	13-011	234/A	Support	2080	Modified support per EC 85906

Refueling Outage 28 - NIS-2 Summary

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Work Order	NIS2 #:	Component ID	R/R Activity	System #	R/R Description
1818567	13-012	SW-118	Valve	4060	Replace valve SW-118
1927645	13-013	SW-100	Valve	4060	Replace valve SW-100
2098480	13-014	SG-C-IP-CVR	Manway Bolting	3005	Replace Steam Generator "C" Inspection Port bolting to specs.
2148448	13-015	CVC-335	Valve Bonnet	2060	Replaced bonnet assembly
2047191	13-016	CPL-134/G	Anchor Bolt	2080	Replace anchor bolt and U-bolt on support CPL-134-G
065682	13-017	IA-525	Valve Disc	6135	Replaced IA-525 Velve Disc.
148451	13-018	CVC-600	Bonnet Assembly	2060	Replaced valve bonnet assembly.
098532-09	13-019	232/Y	Support	2080	Modified support per EC 85906
098537	13-020	SI-880D	Vaive	2080	Replaced Valve
085930	13-021	SI-880A	Valve	2080	Replace valve and piping.
066073	13-022	CVC-353	Bonnet Assembly	2060	Replace bonnet assembly on valve CVC-353
274240	13-023	SW-PMP-B	Pump	4060	Replaced service water pump "B"

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Work Order	NIS2 #:	Component ID	R/R Activity	System #	R/R Description
2098532	13-024	Si-880C	Valve	2080 ·	Replaced valve and piping.
74374	13-025	CVC-266	Valve Disc	2060	Replaced Valve Disc
927047	13-026	SW-61	Valve	4060	Replace valve SW-61 and bolting.
927045	13-027	SW-54	Valvé	4060	Replace valve SW-54 and bolting.
085933	13-028	CVC-381	Valve	2060	Replace Valve CVC-381 and Piping
258587	13-029	CVC-312B	Bonnet Studs	2060	Replaced Body to Bonnet Bolting
058621	13-030	2-CH-15B	Spring Can Support	2060	Restored Hanger CPL-143-T settings to design condition
006898 08	13-031	RHR-PMP-B	Casing Stud	2045	Replaced Casing Stud on RHR-PMP-B
842290 01	13-032	Valve Discs	SI-865A	2080	Replaced valve discs
049189 12	13-033	Bushing to Borinet	RHR-759B	2045	Tack welded Stem Hole Bushing to Valve Bonnet
047543 01	13-034	215\FW-5A-6009	FW-5A-6009	3065	Adjusted and re-positioned spring support
064234 01	13-035	Snubber-RSV-C	RSV-C	3005	Replaced fluid reservior

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Work Order	NIS2 #:	Component ID	R/R Activity	System #	R/R Description
558985/133051	13-038	MS-2618	Disc	3020	Valve rebuild including disc and bolting replacement and tack welding bushing to disc.
558815 01	13-037	Snubber 25	Snubber 25	2060	Replaced snubber with new unit
2083425 01	13-038	RHR-PMP-B	Mechanical Seal Cartridge	2045	Replaced mechanical seal cartridge and gland studs.
2098531	13-039	SI-8808	Valve	2080	Replace valve and piping.
2097318 13	13-040	CH-18A	CH-18-RG02	2060	Removed and reinstalled support CH-18-RG02
13301615 01	13-041	Flow Element	FE-110	2060	Replaced flow element
258592 01	13-042	CVC-312A	Bonnet Studs	2060	Replaced Body to Bonnet Bolting
2038715 01	13-043	WD-1787	Bonnet Studs	7060	Replaced bonnet studs
2083276 05	13-044	RC-94	Studs	2005	Replaced boilting
063273 01	13-045	CVC-203B	Relief Valve	2060	Replaced valve with rotated spare. Replaced valve failed functionatest
097316	13-046	CVC-200B	Control Valve	2060	Replace valve
097314	13-047	CVC-200C	Valve	2060	Replace valve

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Work Order	NIS2 #:	Component ID	R/R Activity	System #	R/R Description
2031489 06	13-048	4 FW-33/16-FW-10	16" X 4" branch connection	3050	Replace AFW branch connection with prefabricated fitting (16"x 4")
2031489 11	13-049	4 FW-34/16-FW-11	16" X 4" branch connection	3050	Replace AFW branch connection with prefabricated fitting (16"x 4")
2066053 01	13-050	S8-1A	Threaded Rod	4060	Replaced bolting. Work performed in conjunction with WO 1127879 10
2031489 26	13-051	FW-68-50	Restraint	3050	Remove and replace pipe support
2097318	13-052	CVC-200A	Valve	2060	Replace valve
2133886	13-053	RPV Washers/Nul	RPV Washers/Nuts	1005	Replaced RPV Washers/Nuts with Hydranuts
2049172	13-054	Snubber # 18	Snubber	2045	Replaced snubber with new snubber from stores
01902298	13-055	3-CW-178	Backwash Piping	4060	Replace Pipe and associated fittings including valves
2294368	13-056	CC-7168	Valve Internals	4060	Replaced valve internals and reinstalled.
2121916-14	13-057	FIC-658	Flow meter	4080	Replace flow meter.
2104385	13-058	CVC-336	Bonnet	2060	Replace bonnet assembly
558984	13-059	MS-V1-3C	Valve Internals	3020	Rebuilt valve internals.

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Work Order	NIS2 #:	Component ID	R/R Activity	System #	R/R Description
2291431	13-060	EXCS-LTDN-HTX	Shell Flange Nut (1)	2060	Shell flange nut (1) replaced.
13307933 08	13-061	SFPC-805A	Valve	7110	Replace valve SFPC-805A with new valve and piping/elbows
2098131	13-062	S/G-A Hot Leg	Row 1, Column 47	2005	Plugged S/G "A" tubes at row 1 column 47 and row 20 column 35.
2098132	13-063	S/G-B Cold Leg	Row 11, Column 70	2005	Plugged S/G "B" tubes at row 11 column 70 and row 25 column 10.
1800231	13-064	SW-545	Check Valve	4060	Replaced existing SW-545 with spare refurbished valve from stores
2063555 01	13-065	CVC-313	Check Valve	2060	Replaced check valve and elbow by welding
2086632	13-066	EQUIP-HATCH	Equip-Hatch	8010	Modified the equipment hatch by welding quick closure clamping devices
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ATTACHMENT

OWNERS REPAIR / REPLACEMENT ACTIVITIES FORM NIS-2

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2007 Edition 2008 Addenda

APPENDIX II MANDATORY

Form NIS 2

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

As Required by the Provisions of the ASME Code Sectio	n XI	
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1.	Owner	PROGRESS	NERGY CAROLIN Name	IAS. INC	Date:	9/9	/2013
	411 FAYE	TTEVILLE ST., Address	RALEIGH, NC 276	02	Sheet:1	of	22
2.	Plant	H.B.ROBINSC Name	DN		Unit:	2	
					EC#:N/A		EE:N/A
	3581 WES	T Entrance RD	HARTSVILLE, SC	29550	WR/WO: 166562	1	CB:N/A
		Address	•		Repair On	ganization PC	No; Job No; etc.
3.	Work Perfe	ormed by PRO	GRESS ENERGY C	AROLINAS, INC	Type Code Symb	ool Stamp:	N/A
- ·			Name		Authorization No.		N/A
	3581 WES		RD: HARTSVILLE.	SC 29550	Expiration Date:		<u>N/A</u>
		Address	5	2			
4.	Identificati	on of System;	Class:2	MAIN STEAM SYSTEM	A <u>3020</u>		
5.	(a) Appi	iicable Construc	tion Code <u>: 831.1</u>	Edition <u>: 1967</u> Design Specification	Addenda <u>:N/A</u> CPL-R2-MV81		Case <u>:N/A</u>

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: <u>2007 Edition 2008 Addenda</u> Code Case: <u>N/A</u>

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	Crosby	N/A	N/A	SV1-48	1992	Removed	N
Valve Oisc	Crosby	N/A	N/A	SV1-48	2012	Installed	N
			ан	· · ·			
1							

7. Description of Work: Replaced valve disc.

8. Test Conducted: Hydrostatic (-) Pneumatic (-) Nominal Operating Pressure (-) Exempt (X)

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

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FORM NIS-2 (Back)

Sheet 2 of 2

Dale 9/9/2013

9	Remarks:	See WO 1665	621 lumover package
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Applicable Manufacturer's 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
Certificate of Authorization No

Signed Mallen

ISI ENGINEER Owner or Owner's Designee, Title

<u>N/A</u>

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u>. <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>2/13/2012</u> to <u>9/9/2013</u> and state that to the best of my knowledge and ballef, 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,

ANOSTANA ENVOUL Inspector's Signature

Commissions NB 13930 SC 264 ANII National Board, State, Province, and Endorsements

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Date.9/9/2013

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2007 Edition 2008 Addenda

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APPENDIX II MANDATORY

Form NIS 2

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

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As Required b	v the Provisions	of the ASME	Code Section XI	
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1.	Owner PROGRESS ENERGY CAROLINAS, INC Name	Date	9/15/2013
	411 FAYETTEVILLE ST., RALEIGH, NC 27602 Address	Sheet1	of2
2.	Plant H.B.ROBINSON Name	Unit:	2
	3581 WEST Entrance RD, HARTSVILLE, SC 29550 Address	EC#.N/A WR/WO. 1618508 Repair Organizatio	EE, N/A CR N/A n PO No; Job No, etc
3 .	Work Performed by <u>PROGRESS ENERGY CAROLINAS, INC</u> Name 3581 WEST ENTRANCE RO: HARTSVILLE, SC 29550	Type Code Symbol Stam Authorization No.: Expiration Date	<u>N/A</u>
4.	Address Identification of System <u>Class 3</u> <u>SERVICE WATER SY</u>	STEM4080	
5	(a) Applicable Construction Code. <u>031.1</u> Edition. <u>1967</u> Design Specification		Code Case <u>, N/A</u>

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2007 Edition 2008 Addenda Code Case. <u>N/A</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Sertal No	National Board No.	Other Identification	Year Built	Carrected, Removed, or installed	ASME Code Slamp (Yes or No)
Pump	Johnston	JZ6438	NIA	SW-PMP-A	2001	Removed	N
Pump	Sulzer	487812	N/A	SW-PMP-A	2012	Instatled	N
						· · · · ·	
							T

7. Description of Work: Replaced SW-PMP-A pump with new pump

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8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X] Exempt []

Other [VT-2] Pressure (51) psig Test Temp. [AMB] °F

13-002

- Page 66 of 195

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FORM NIS-2 (Back)

Sheet 2 of 2

9. Remarks	See WO 1618508 lunnover package	
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Applicable Manufacturer's 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 Slamp	N/A					
Certificate of Authorization No	N/A					
Signed MUBL		Date 9/15/2013				
	Owner or Owner's Designee, Tille	· · · · · · · · · · · · · · · · · · ·				
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 South Carolina	and employed by <u>HSBCT</u> of <u>HAI</u>	RTFORD, CONNECTICUT have				
inspected the components described in th	is Owner's Report during the period <u>5/6/2013</u> to <u>9/</u>	15/2013 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						

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.

ELISTHA ELIST Inspector's Signature

Report in accordance with the requirements of the ASME Code, Section XI.

Commissions NB 13930 SC 264 ANII National Board, State, Province, and Endorsements

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Date 9/15/2013

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13-002

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2007 Edition 2008 Addenda

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APPENDIX II MANDATORY

Form NIS 2

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

			As Required by t	he Provisions	of the AS	ME Code Se	ection XI		
1.	Owner	PROGRESS F	ROGRESS ENERGY CAROLINAS, INC.		Dale 9/15/2013		•		
	<u>411 FA</u>	YETTEVILLE ST. Address	RALEIGH. NC 276	502		Sheel:	1	of	
2.	Plant _	H.B.ROBINSC Name	<u>N </u>				•	2	
						EC#N/A		EE N	A
	<u>3581 M</u>	EST Entrance RD;		<u>C 29550</u>			WR/WQ:1933717-18 CR:N/A		
		Address				Repair Organization PO No; Job No; elc			
3.	Mork P	erformed by PROG	RESS ENERGY	CAROLINAS I	NC	Tune Code	Symbol Sta	mp:N	Δ.
J.	TTUINT	counted by Low	Name		1774	Authorizali	ion No.:	<u>N</u>	Δ
	3581 W	EST ENTRANCE		SC 29550		Expiration	Dale:	N	/A
		Address							
4.	4. Identification of System: <u>Class:2</u> <u>SAFETY INJECTION SYSTEM</u> 2080								
5.	(a) Applicable Construction Code <u>: 8 31,1</u> Edition <u>: 1967</u> Addenda <u>.N/A</u> Code Case <u>.N/A</u> Design Specification: <u>N/A</u>								
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2007 Edition 2008 Addenda Code Case: N/A									
~	(dentif	cation of Compone	- In Flagmind of P	aniarad and D		-			
6.	identin	cation of Compone	Its Repaired of Re		-praceme	ni compone	nis T	1	1
Name of Compon		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Olher Identific	ation .	Year Built	Conected, Removed, or Installed	ASME Code Siamp (Yes or No)
Casing	g Stud	Nova	N/A	N/A	SI-PM	P-8	1971	Removed	N
Casing	y Stud	Nova	N/A	N/A	SI-PM	P-8	2013	Installed	N
					T				
t							+	t	

7. Description of Work: Replaced casing stude # 2, 4, 6, 10 & 14

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8. Test Conducted. Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt []

Other [VT-1] Pressure [N/A] psig Test Temp. [N/A] °F

13-003

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Page 68 of 195

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FORM NIS-2 (Back)

Sheet 2 of 2.

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). Remarks: <u>See WQ 1933717-18 lumover package</u> Applicable Manufacturer's 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					
Centificate of Authorization No.	NIA					
Signed Muller		Date 9/15/2013				
	Owner or Owner's Designee, Tille					
CERT	IFICATE OF INSERVICE INSPECTIC	N				
I, the undersigned, holding a valid commission	n issued by the National Board of Boile	er and Pressure Vessel Inspectors and the				
State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> , <u>CONNECTICUT</u> have						
inspected the components described in this Owner's Report during the period 11/6/2012 to 9/15/2013 and state that to the						
best of my knowledge and belief, the Owner	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 Inspect	or or his employer makes any warra	nty, 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	l injury or property damage or a loss	of any kind arising from or connected with				
Ihis inspection.		÷				
FI MOSTAGA ENKOLA						
Inspector's Signature	Commissions National Board, S	NB 13930 SC 264 ANII Itale, Province, and Endorsements				
Date. <u>9/15/2013</u>		:				
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<u>.</u>						

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APPENDIX II MANDATORY

Form NIS 2

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

Owner PROGRESS ENERGY CAROLINAS, INC Name	Date	10/1/2013
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Address	Sheet:1	of2_
Plant H.B.ROBINȘON Name	Unit	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	EC#N/A	EE:N/A
3581 WEST Entrance RD. HARTSVILLE, SC 29550 Address	WR/WO:1800340 Repair Organ	CR.N/A nization PO No, Job No, el
Work Performed by PROGRESS ENERGY CAROLINAS_INC	Type Code Symbol	
Name	Authorization No.:_	
3581 WEST ENTRANCE RD. HARTSVILLE. SC 29550 Address	Expiration Date:	N/A
Identification of System <u>Class 3</u> FEED WATER SY	STEM 3050	
(a) Applicable Construction Code. <u>B31.1</u> Edition <u>: 1967</u> Design Specific:		Code Case <u>N/A</u>

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 Buill	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Studs (3) Nuts (20)	Copes Vulcan	N/A	N/A	FCV-498	1971	Removed	N
Studs (3) Nuts (20)	Copes Vulcan	N/A	N/A	FCV-498	2012	Installed	N

7 Description of Work: <u>Replace body to bonnet studs (3) and nuts (20)</u>

8 Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [] Exempt [X]

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

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13-004

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Sheet 2 of 2

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Remarks: See WO 1800340 turnover package Applicable Manufacturer's 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 XJ
Type Code Symbol Stamp
Certificate of Authorization No N/A
Signed HLCISI ENGINEER Date 10/1/2013
Owner or Owner's Designee, Tille
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 South Carolina and employed by HSBCT_ of HARTFORD_CONNECTICUT have
inspected the components described in this Owner's Report during the period 1/30/2012 to 10/1/2013 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 properly damage or a loss of any kind arising from or connected with
this inspection.
BMCSTARA ELKO U/LI Commissions NB 13930 SC 264 ANII Inspector's Signature National Board, Stale, Province, and Endorsements
Dale: <u>10/1/2013</u>

13-004

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APPENDIX II MANDATORY

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Form NIS 2

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

As Required b	y the l	Provisions of the ASME Code Section XI
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1.	Owner DUKE-ENERGY-PROGRESS, INC	Date:1	0/29/2013	
	Name	· · · · · · · · · · · · · · · · · · ·		
	526 S. Church Street, Charlotte, NC 28201 Address	Sheet:1	of2	
2.	Plant H.8,ROBINSON	Unit:2		
		EC#.N/A	EE:N/A	
	3581 WEST Entrance RD: HARTSVILLE, SC 29550	WR/WO:1990868	CR:N/A	
	Address	Repair Organization I	O NO;JOD NO;EIC.	
3.	Work Performed by PROGRESS ENERGY CAROLINAS, INC	Type Code Symbol Stamp:	N/A	
	Name	Authorization No.:	N/A	
	<u>3581 WEST ENTRANCE RO; HARTSVILLE, SC 29550</u> Address	Expiration Date:	N/A	
4.	Identification of System: <u>Class:1</u> STEAM GENERAT	OR SYSTEM 3005		
5.	(a) Applicable Construction Code <u>: ASME Section III</u> Editio Design Specifica		Code Case	<u>N/A</u>
	(b) Applicable Edition of Section XI Used for Repair/Replaceme	enl Activity: <u>2007 Edition 2008 Ac</u> Code Case: <u>1</u>		

Identification of Components Repaired or Replaced and Replacement (ient Components
---	-----------------

Name of - Component	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other Identification	Year Buill	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Manway Bolling	Weslinghouse	N/A	N/A	SG-A-PM-CVR	1971	Removed	N
Manway Bolling	ATC Nuclear	N/A	N/A	SG-A-PM-CVR	2013	Installed	N

7. Description of Work: <u>Replaced hot and cold leg manway bolling with spare rotating set</u>, <u>Replaced hot leg studs 2, 9, 10, 14&</u> 16 with new, <u>Replaced cold leg studs 10 & 11 with new</u>.

8. Test Conducted: Hydrostatic () Pneumatic () Nominal Operating Pressure () Exempt ()

Other (VT-1) Pressure (N/A) psig Test Temp. (N/A) °F

13-005

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Sheet 2 of 2.

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Remarks See 1990868 tumovar package Applicable Manufacturer's Data Reports to be attached

Date 10/1/2013

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13-005

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APPENDIX II MANDATORY

Form NIS 2

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

. .	Owner	DUKE-ENERG	Y-PROGRESS, IN Name		Dat	e:	<u></u>	10/29/2013	<u></u>
	<u>526 S. (</u>	Church Street, Cha Address	lotte, NC 28201		She	et:	1	of	2
L y s	Piant _	H.B.ROBINSO	N	·····	Uni	I:			
	3691 W	EST Entrance RD;	HADTEVILLE SC	20550	ECI		16550	EE:N/A CR:N/A	
	3301.44	Address	THICK OF THE COLOR	<u>C3J//V</u>	<u></u>			ilion PO No; Job No	
3.	Work P	erformed by PROG	RESS ENERGY C	AROLINAS,				emp: <u>N/A</u> N/A	
	2501 14	EST ENTRANCE	RD; HARTSVILLE.	SC 29550	Exc	iration 0	ale:	N/A	
	2201 44								
	2201 44	Address							
I.							30)5	
-	Identific	Address	Class:1	STEAM GEN	ERATOR SYS	<u>TEM</u>	<u>30</u> Addenda <u>:</u>		e Case;
	Identilic (a) A	Address	Class:1	STEAM GEN Section III Design Sp	ERATOR SYS Edition: 1 ecification: 9	<u>TEM</u> 965 55479	Addenda <u>:</u>	<u>1965</u> Cod <u>08 Addenda</u>	e Case <u>;</u>
4 <i>.</i> 5.	ldentillic (a) A (b) Ap	Address ation of System; pplicable Construc	Class:1 Ion Code <u>: ASME</u> Section XI Used for	<u>STEAM GEN</u> <u>Section III</u> Design Sp r Repair/Repl	ERATOR SYS Edition: <u>1</u> ecification: 9 acement Activi	<u>965</u> 55479 Iy 2007	Addenda <u>:'</u> Edilion 20 Code Ca	<u>1965</u> Cod <u>08 Addenda</u>	e Case;
5.	Identific (a) A (b) Ap	Address ation of System; pplicable Construc plicable Edition of	Class:1 Ion Code <u>: ASME</u> Section XI Used for	<u>STEAM GEN</u> <u>Section III</u> Design Sp r Repair/Repl	ERATOR SYS Edition: <u>1</u> ecification: 9 acement Activi	<u>965</u> 55479 Iy 2007	Addenda <u>:'</u> Edilion 20 Code Ca	<u>1965</u> Cod <u>08 Addenda</u>	e Case: ASME Code Stamp (Yes or No)
5. 5. Lame of	Identific (3) A (b) Ap Identific ent	Address ation of System: pplicable Construc plicable Edition of ation of Component Name of	Class:1 Ion Code <u>: ASME</u> Section XI Used for Its Repaired or Rej Manufacturer	STEAM GEN Section III Design Sp r Repair/Repl placed and Re National	ERATOR SYS Edition: 1 ecification: 9 acement Activi eplacement Co Diher	TEM 965 55479 ly <u>2007</u> mponen	Addenda <u>:</u> Edilion 20 Code Ca Is Year	1965 Cod 08 Addenda se: <u>N/A</u> Corrected, Removed, or	ASME Code Stamp (Yes or

Description of Work: <u>Replaced hot and cold leg manway bolling with spare rolating set. Replaced hot leg studs 3, 4, 5, 8, 11, 8, 12 with new. Replaced cold leg studs 1, 4, 8, 8, 15 with new.</u>

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [-]

Other [VT-1] Pressure [N/A] psig Test Temp. [N/A] °F

13-006

Page 74 of 195

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Sheet 2 of 2.

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I certify that the statements made in the rej	port are correct and this conforms to the requirements	of the ASME Code, Section XI
Type Code Symbol Stamp	N/A	
Certificale of Authorization No	N/A	
signed <u>Mwka</u>	ISIENGINEER	Date 10/1/2013
	Owner or Owner's Designee, Title	
· · · · · · · · · · · · · · · · · · ·	CERTIFICATE OF INSERVICE INSPECTION	
		· · · ·
t the understands heldlag a unlid seman	nission issued by the National Board of Boiler and F	Impiliere Morenel technology and the
	-	-
State or Province of South Carolina	and employed by <u>HSBCT</u> of <u>HA</u>	ARTFORD, CONNECTICUT have
inspected the components described in	this Owner's Report during the period 9/25/2013	to 10/1/2013 and state that to the
best of my knowledge and belief, the C	Owner has performed examinations and taken con	rective measures described in this
Owner's Report in accordance with the r	requirements of the ASME Code, Section XI.	•
By signing this certificate neither the in	nspector or his employer makes any warranty, exp	pressed or implied, concerning the
evaminations and corrective measures	described in this Owner's Report. Furthermore, nei	lher the Inspector nor his employer
	ersonal injury or property damage or a loss of any l	
	ersonal inforty of biopenty damage of a loss of any i	
this inspection		,
AHUSTAFA CIMONIN	Commissions	NB 13930 SC 264 ANII
Inspector's Signature		rovince, and Endorsements
Dale 10/1/2013		

13-006

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007 Edi	tion 200	8 Addenda		APPENDIX II N	MANDATO	RY	• •		Form N
		FORM	NIS-2 OWNER'S	REPORT FOR	REPAIR	REPLACE	MENT ACT	with	
			As Required by	the Provisions	of the ASI	ME Code S	ection XI		
•	Owner	PROGRESS	ENERGY CAROL	INAS INC		Date		10/5/2013	
	411 FA	YETTEVILLE ST. Address	RALEIGH NC 27	602		Sheet	1		2
!	Plant_	H.B.ROBINS				Unit			
	<u>3581 M</u>	EST Entrance RC Addres	HARTSVILLE. S	<u>C 29550</u>		EC# N/A WR/WO:2 Re	064235 pair Organiz	i <u>EE N/A</u> <u>CR.N/A</u> Blion PO No, Job No),ŧlC.
I .		-	GRESS ENERGY Name RO. HARTSVILLI			Authonzal	ion No :	amp: <u>N/A</u> N/A N/A	
i i	Idenlification of System <u>Class 2</u> (a) Applicable Construction Co		clion Code <u>WEL</u>	<u>C-5379-S18</u> Design Sp	Eddion	<u> 197 1</u>	Addenda <u>-</u>	<u>N/A</u> Code Cas	
		,	Section XI Used I				Code Ca		
ame of compone		Name of Manufacturer	Manulaciurer Seriol No	National Board No.	Other Identifica		Year Built	Corrected, Removed, or Installed	ASME Code Slamp (Yes or No)
Hydraul		Enerlech	N/A	NA	Snubbe	er-RSV-A	2007	Removed	N
Hydraul reservio	ic fluid	Enertech	N/A	N/A	Snubbe	er-RSV-A	2013	Installed	N
					+		+		

7. Description of Work Replaced snubber hydraulic fluid reservoir

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8. Test Conducted Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [-]

Other (VT-3) Prossure (N/A) psig Test Temp. (N/A) °F

13-007

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Remarks: See WO 2064235 turnover package

Sheet 2 of 2.

	icable Manufacturer's Data Ri	epons to be attached	
	CERTIFICATE OF CON	LIANCE	
I certify that the statements made in the report.	are correct and this conform	to the requirements of	of the ASME Code, Section XI
Type Code Symbol Stamp	MA	8	
Certificate of Authorization Hy	N	<u>1</u>	
Signed Lette Character	ISI ENGINEER		Qale_10/5/2013
	Owner or Owner's Dep	lignee, Title	
			a second a second to be a second to

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission lasued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>10/2/2013</u> to <u>10/5/2013</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 demage or a loss of any kind arising from or connected with this inspection.

AMSTAFA BLOWL

Commissions ______ NB 13930 SC 264 ANII National Board, State, Province, and Endorsements

Date 10/5/2013

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APPENDIX II MANDATORY

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Form NIS 2

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

Owner	PROGRESS ENERGY CAROLINA Name	<u>s. inc</u>	Date:		10/17/20	113
<u>411.FA</u>	YETTEVILLE ST., RALEIGH, NC 2760 Address	2	Sheet:	1	10	2
Plant _	H.B.ROBINSON Name		Unit:		2	
			EC#:N/A			E:N/A
<u>3581 V</u>	/EST Entrance RD: HARTSVILLE. SC 2 Address	(9200	WR/WO:22 Repa		tion PO No;.	<u>R.N/A</u> Job No,ei
Work F	enformed by PROGRESS ENERGY CA	ROLINAS INC			amp	
	Name		Authorizatio			N/A
<u>3581 V</u>	VEST ENTRANCE RD: HARTSVILLE, S Address	<u>SC 29550</u>	Expiration D	late:		<u>N/A</u>
Identifi	calion of System: <u>Class:1</u>	AFETY INJECTION	SYSTEM	2080)	
(a) /	Applicable Construction Code: B 31.1	Edition <u>: 1967</u> Design Specification			Code Cas	

Name of Component	Name of Manufecturer	Manulachirer Serial No.	National Board No.	Other Identification	Year Buill	Corrected, Removed, or Installed	ASME Code Slamp (Yes o No)
Pipe cap	Ebasco	N/A	N/A	SI-875N	1971	Removed	N
Pipe cap	DuBose	N/A	N/A	SI-875N	2013	Installed	N
	_				_		
							+
					-	1	1

7. Description of Work: Replace valve SI-876N cap.

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [-]

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

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Sheet _2_ of _2_

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	CERTIFICATE OF COMPLIANCE			
I certify that the statements made in the report	It are correct and this conforms to the requirement	is of the ASME Code, Section XI.		
Type Code Symbol Stamp				
Certificate of Authorization No	N/A			
signed fitted +	ISI ENGINEER	Date 10/3/2013		
	Owner or Owner's Designee, Tille			
CE	RTIFICATE OF INSERVICE INSPECTION			
	:			
I, the undersigned, holding a valid commiss	sion issued by the National Board of Boiler and	Pressure Vessel Inspectors and		
State or Province of South Carolina	and employed by <u>HSBCT</u> of t	ARTFORD. CONNECTICUT		
inspected the components described in this Owner's Report during the period 10/2/2013 to 10/3/2013 and state that to the				
best of my knowledge and belief, the Ow	ner has performed examinations and taken co	mective measures described in		
Owner's Report in accordance with the requ	uirements of the ASME Code, Section XI.			
By signing this certificate neither the Insp	ector or his employer makes any warranty, e	xpressed or implied, concerning		
examinations and corrective measures des	scribed in this Owner's Report. Furthermore, no	eilher the Inspector nor his empl		
shall be liable in any manner for any perso	onal injury or property damage or a loss of any	kind arising from or connected		
this inspection.		-		
Inspector's Signature	Commissions	NB 13930 SC 264 ANII Province, and Endorsements		
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Date: 10/3/2013				
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APPENDIX II MANDATORY

Form NIS 2

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

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As Required t	v the	Provisions	of the ASME	E Code	Section XI
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1 .	Owner	PROGRESS EN	IERGY CAROLIN Name	<u>as inc</u>	Date:		10/7/2013	
	<u>411 FA</u>	YETTEVILLE ST., R Address	ALEIGH. NC 2760)2	Sheet:	1	of	2
2.	Plant _	H.B.ROBINSON Name	<u> </u>		Unit:			
					EC#:N/A	· · · · · · · · · · · · · · · · · · ·	EE:N/A	
	3581 W	EST Entrance RD: I	HARTSVILLE, SC	29550	WR/WO.2	057206	CR:N/A	
		Address			Rep	oair Organizat	ion PO No; Job No;	elc.
-					10 T as 0 at		N/A	
3.	WOLK P	erformed by PROGE		AROLINAS. I			mp:N/A N/A	
	6-74 M		Name	60 306F0	Aunonzat	ion No.:		
	<u>3581 W</u>	EST ENTRANCE R	D' HARISVILLE.	20.53220	Expiration	Date:	N/A_	
		Address	•					::
4.	Identific	cation of System:	lass:1	REACTOR CO	DOLANT SYSTEM	200	5	······
5.	(a) A	pplicable Constructi	on Code <u>: 831.1</u>	Edition: Design Spe		a <u>.N/A</u> IR2-M-019	Code Case <u>; N/A</u>	• •
	(b) Ap	plicable Edition of S	ection XI Used for	Repair/Repla	cement Activity: 200	7 Edition 200 Code Cas		
						0000 000	0. <u>1973</u>	
6.	Identifi	cation of Component	s Repaired or Rep	laced and Re	placement Compone	nis		÷
Name of Compon		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, ar installed	ASME Code Stamp (Yes or No)
l I		7	1 I			1		(UND)

7. Description of Work: <u>Replaced valve</u>

WHITEY

SWAGELOK

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [X]

NA

N/A

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

N/A

N/A

RC-545A

RC-545A

2004

2013

Removed

Installed

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Page 80 of 195

Sheet 2 of 2

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9.	Remarks:	See WO 2057206 turnover package	

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Applicable Manufacturer's	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	Dale 10/7/2013			
(Owner or Owner's Designee, Title				
Certifica	ATE OF INSERVICE INSPECTION				
I, the undersigned, holding a valid commission issu	ed by the National Board of Boiler and	Pressure Vessel Inspectors and the			
State or Province of South Carolina	and employed byASBCT of t	ARTEORD. CONNECTICUT have			
inspected the components described in this Owner's Report during the period 1/8/2013 to 10/7/2013 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, e	pressed or implied, concerning the			
examinations and corrective measures described in	n this Owner's Report. Furthermore, ne	allher the Inspector nor his employer			
shall be fiable in any manner for any personal injur	ry or property damage or a loss of any	kind arising from or connected with			
this inspection.					
CHOSTAFA EL KOULL		NB 13930 SC 264 ANII Province, and Endorsements			
	, raisonas avaid, 21010, 1	raanse' and Elithristinichis			
Date: 10/7/2013	• .				
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APPENDIX II MANDATORY FORM MIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

Form NIS 2

As Required by the Provisions of the ASME Code Section XI					
Owner	DUKE-ENERGY-PROGRESS. INC. Name	Dater	10/29/2013		
<u>526 S. C</u>	hurch Street, Charlolle, NC 28201 Address	Sheet:1	of 2		
Plant	H.B.ROBINSON Name	Unit:	2 EE:N/A		

3581 WEST Entrance RD: HARTSVILLE, SC 29550 Address Work Performed by PROGRESS ENERGY CAROLINAS. INC

WR/WO;2148449	<u>CR:N/A</u>
Repair Organization Pl	O No; Job No;etc.
Type Code Symbol Stamp:_	
Authorization No.:	NA
Expiration Date:	NIA

.

3. Name 3581 WEST ENTRANCE RD; HARTSVILLE, SC 29550 Address

CHEMICAL AND VOLUME CONTROL SYSTEM Identification of System: Class:3 2060

- Edition: 1967 Addenda:N/A Design Specification: 6379-00401 5. (a) Applicable Construction Code: 0.31.1 Code Case:N/A
 - (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2007 Edition 2008 Addenda Code Case: N/A

Name of Component	Name of Manufecturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Corrected, Removed, or installed	ASME Code Stamp (Yes or No)
Valve Bonnet	Maintenance	NA	NA	CVC-398A	1997	Removed	N
Valve Bonnet	ITT Engineered	889526-001- 004	N/A	CVC-398A	2013	Installed	N
•							
					:		·

Westion of Companyis Repaired or Perfored and Perform

7. Description of Work: Replaced bonnet assembly

Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [X] Exempt [-] 8.

Other (VT=2) Pressure (NOP) psig Test Temp. (NOT) *F

13-010

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Sheet 2 of 2.

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Remarks: <u>See WO 2148449 turnover package.</u> Applicable Manulacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE						
I certify that the statements made in the report are correct and t	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					
		Date 10/8/2013				
Owner or	Owner's Designee, Title					
CERTIFICATE OF I	NSERVICE INSPECTION					
· · · · · · · · · · · · · · · · · · ·						
i, the undersigned, holding a valid commission issued by the	a National Board of Boiler a	nd Pressure Vessel Inspectors and the				
State or Province of South Carolina and e	mployed by <u>HSBCT</u> of	HARTFORD, CONNECTICUT have				
inspected the components described in this Owner's Repo	nt during the period <u>4/17/2(</u>	013 to $10/8/2013$ and state that to the				
best of my knowledge and beilet, the Owner has performe	ed 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 emp	loyer makes any warranty,	expressed or implied, concerning the				
examinations and corrective measures described in this Ov	vner's Report. Furthermore,	neither the inspector nor his employer				
shell be liable in any manner for any personal injury or pro-	perty damage or a loss of a	ny kind arising from or connected with				
this Inspection.						
AND TAKA ENOUL	Commissions					
Inspecior's Signature		NB 13930 SC 264 ANII , Province, and Endorsements				
Oale: <u>10/8/2013</u>						

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APPENDIX II MANDATORY

Form NIS 2

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

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As Required by the Provisions of the ASME Code Section XI

1.	Owner	DUKE-ENERGY-PROGRESS, INC Name	2	Dale:	10/28/2013
	528 S. Chu	Address		Sheet:1	of2
2.	Plant	H.B.ROBINSON Name		Unit:	2
	3581 WES	T Entrance RD: HARTSVILLE, SC: Address	29550	EC#.N/A WR/WO:2085930-12 Repair Organiza	EE:N/A CR:N/A ian PO No;Job No;etc.
3.		ormed by <u>PROGRESS ENERGY C/</u> Name <u>T ENTRANCE RD: MARTSVILLE S</u> Address		Type Code Symbol Sta Authorization No.: Expiration Date:	nip:N/A N/A N/A
A ,	Identification	on of System: Class;2	ONTAINMENT SPRA	Y SYSTEM 2	080
5.	(a) Appi	icebie Canstruction Code <u>: B 31.1</u>	Edition <u>: 1967</u> Design Specification	Addenda <u>:N/A</u> : <u>CPL-XCO(X-M-004</u>	Code Case <u>:N/A</u>

(b) Applicable Edillon of Section XI Used for Repair/Replacement Activity: 2007 Edition 2008 Addenda Code Case: <u>N/A</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufactures	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Slamp (Yes or No)
Support	Ebasco	N/A	N/A	234/A	1971	Removed	N
Support	Maintenance	NA	NVA	234/A	2013	Installed	N
						·	

7. Description of Work: Modified support per EC 85906

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8. Test Conducted: Hydrostalic [] Pneumatic [] Nominal Operating Pressure [] Exempt []

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

13-011

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Sheet 2 of 2.

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Remarks: See WO 2085930 turnover package Applicable Manufacturer's Data Reports to be attached 9. 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 NA Certificate of Authorization No. N/A Muler ISI ENGINEER. Slaned ... Date_10/8/2013 Owner or Owner's Designee, Tills CERTIFICATE OF INSERVICE INSPECTION L the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of _______ South Carolina _______ and employed by _______ HSBCT_ of HARTFORD. CONNECTICUT have inspected the components described in this Owner's Report during the period 7/12/2013 to 10/8/2013 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

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

a Hostaffa evenue ÷ Commissions NB 13930 SC 264 ANII National Board, State, Province, and Endorsements Inspector's Signature

Dale:10/8/2013

13-011

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APPENDIX II MANDATORY

Form NIS 2

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ويزيرهم			
Owne	r DUKE-ENERGY-PROGRESS, INC Name	Date:	1/8/2014
<u>526 S</u>	. Church Street, Charlotte, NC 28201 Address	Sheet:1	ofa
Plant		Unit:	2
	Name	EC#:N/A	EE:N/A
3581	WEST Entrance RD: HARTSVILLE, SC 29550	WR/WO:1816567	CR:N/A
	Address	Repair Organi	zation PO No; Job No;
Work	Performed by PROGRESS ENERGY CAROLINAS, INC	Type Code Symbol 5	Stamp:N/A
	Name	Authorization No.:	N/A
<u>3581</u>	WEST ENTRANCE RD: HARTSVILLE, SC 29550 Address	Expiration Date:	N/A
Ident	ification of System: Class:3 SERVICE WATER	SYSTEM 4060	
(a)	Applicable Construction Code: <u>B31.1</u> Edition: <u>1967</u> Design Specifica		Code Case <u>:N/A</u>
(b)	Applicable Edition of Section XI Used for Repair/Replaceme		2008 Addenda Case: N/A

Name of Component	Name of Manufacturer	Manufacturer Señal No	National Board No.	Other Identification	Year Bušt	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve	Crane .	862163	N/A	SW-118	1971	Removed	N
Valve	Crane	14477	N/A	SW-118	2013	Installed	N
			<u> </u>				
			<i>.</i> .				

7. Description of Work: Replace valve SW-118

8. Test Conducted: Hydrostalic [-] Pneumatic [-] Nominal Operating Pressure [X] Exempt [-]

Other VT-2 Pressure (NOP) psig Test Temp. (NOT) *F

13-012

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Sheet _2_ of _2_

9	Remarks: See WO 1816567 turnover package
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Applicable Manufacturer's 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	
Certificate of Authorization NoN/A	
Signed MUBER ISI ENGINEER Date	<u>= 1/8/2014</u>
Owner or Owner's Dasignee, Tille	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Ins	pectors and the
State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> . CONNI	ECTICUT have
inspected the components described in this Owner's Report during the period 4/10/2013 to 1/8/2014 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 n	or 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.	
ELHO STAFA Q.KOUM Commissions NB 13930 SC 26	4 ANII
Inspector's Signature National Board, State, Province, and Endorse	
Date: 1/8/2014	
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13-012

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APPENDIX II MANDATORY

Form NIS 2

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

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	As Required by the Provisions of the ASME Code Section XI						
1.	Owner <u>DUKE-ENERGY-PROGRESS, INC</u> Name	Date:1/8/2014					
	526 S. Church Street, Charlotte, NC 28201 Address	Sheet: of 2					
2.	Plant H.B.ROBINSON	Unit:2					
	3581 WEST Enirance RD: HARTSVILLE, SC 29550 Address	EC#:N/A EE:N/A WR/WO:1927645 CR:N/A Repair Organization PO No:Job No:elc.					
3.	Work Performed by <u>PROGRESS ENERGY CAROLINAS, INC</u> Name <u>3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550</u> Address	Type Code Symbol Stamp: N/A Authorization No.: N/A Expiration Date: N/A					
4.	Identification of System: Class:3 SERVICE WATER S	SY <u>STEM 4050</u>					
5.	(a) Applicable Construction Code <u>: 831.1</u> Edition <u>: 1967</u> Design Specificat	Addenda <u>:N/A</u> Code Case <u>;N/A</u> lion: <u>EC 82502</u>					
	(b) Applicable Edition of Section XI Used for Repair/Replacement	nt Activity: <u>2007 Edition 2008 Addenda</u> Code Case: <u>N/A</u>					

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuføclurer Serial No.	National Board No.	Other Identification	Year Bull	Corrected. Removed, or Installed	ASME Code Slamp (Yes or No)
Valve	Crane	N/A	N/A	SW-100	1971	Removed	N
Valve	Argo Turbo Service	271660-01-01	N/A	SW-100	2013	Installed	N
				-		· · · ·	

7. Description of Work. Replace valve SW-100

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure (X) Exempt [-]

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

13-013

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9. Remarks: <u>See WO 1927645 lumover r</u> Applica	pechanie able Manufacturer's Data Reports to be	allached
	CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report an	e correct and this conforms to the requ	irements of the ASME Code, Section XI.
Type Code Symbol Stamp		
Certificate of Authorization No.	N/A	
Signed MULL	ISI ENGINEER	Dale_1/6/2014
	Owner or Owner's Designee, Title	
CERT	IFICATE OF INSERVICE INSPECTION	N
I, the undersigned, holding a valid commission	n issued by the National Board of Boil	er and Pressure Vessel Inspectors and the
State or Province of <u>South Carolina</u>	and employed by _HSBCT	of HARTFORD, CONNECTICUT have
inspected the components described in this O	wner's Report during the period 9/17.	/2013 to 1/8/2014 and state that to the best
of my knowledge and belief, the Owner has pe	erformed examinations and taken cor	rective measures described in this Owner's
Report in accordance with the requirements of	the ASME Code, Section XI.	
By signing this certificate neither the Inspect	or or his employer makes any warra	anly, expressed or implied, concerning the
examinations and corrective measures descrit	bed in this Owner's Report, Furtherm	ore, neither the inspector nor his employer
shall be liable in any manner for any personal	l injury or property damage or a loss	of any kind arising from or connected with
this inspection.	:	
Erlostafa el Ko MM	Commissions National Board,	NB 13930 SC 264 ANIt State, Province, and Endorsements
Date: <u>1/8/2014</u>	· · · ·	, · · · · · · · · · · · · · · · · · · ·

13-013

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APPENDIX II MANDATORY

Form NIS 2

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

As Required by the Provisions of the	ASME Code Section XI
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1.	Owner	PROGRESS ENERGY CAROLINAS Name	INC	Date:		10/10/2013	
	411 FAYE	TTEVILLE ST., RALEIGH, NC 27602 Address		Sheet:		_ of	2
2.	Plant	H.B.ROBINSON Name		Unit		2	
				EC#:N/A		EE:N	VA
	3581 WES	T Entrance RD: HARTSVILLE, SC 29	550	WRMO:20	98480	CR:N	I/A
		Address		Repa	air Organizatio	n PO No; Job	No,etc.
3.	Work Perf	ormed by PROGRESS ENERGY CAP	IOLINAS INC	Type Code	Symbol Stam	n N	VA .
•-		Name			n No.:		/A
	3581 WES	TENTRANCE RD: HARTSVILLE, SO	29550	Expiration (/A
		Address					

5. (a) Applicable Construction Code: <u>ASME Sect III</u> Edition: <u>1971</u> Addenda:<u>1972</u> Code Case: <u>N/A</u> Design Specification: <u>728-208-63</u>

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2007 Edition 2008 Addenda Code Case: N/A

6 Identification of Components Repaired or Replaced and Replacement Components

Identification of System: Class: STEAM GENERATOR SYSTEM

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Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buit	Corrected, Removed, or Instatled	ASME Code Stamp (Yes or No)
Manway Bolling	Nova Machine	N/A	N/A	SG-C-IP-CVR	1971	Removed	N
Manway Bolting	Nova Machine	N/A	N/A	SG-C-IP-CVR	2013	Installed	N
							-
		+			+		+
				1			+

7. Description of Work: <u>Replace Steam Generator "C" Inspection Port bolting to specs.</u>

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [X]

Other [VT-1] Pressure [N/A] psig Test Temp. [N/A] °F

13-014

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9. Remarks: <u>See completed WO 209</u> Ap	8480 Task 01 plicable Manufacturer's Data Reports to be att	ached
	CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the repo	n are correct and this conforms to the requirem	nents of the ASME Code, Section XI.
Type Code Symbol Stamp		
Certificate of Autoprization No.	N/A	
signed Lette Van A	ISI ENGINEER	Date 10/10/2013
	Owner or Owner's Designee, Tille	·
CE	ERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commis	sion issued by the National Board of Boiler a	and Pressure Vessel Inspectors and the
State or Province of South Carolina	and employed by <u>HSBCT</u> of	of HARTFORD, CONNECTICUT have
inspected the components described in th	is Owner's Report during the period 9/24/2	013 to 10/10/2013 and state that to the
best of my knowledge and belief, the Ow	mer has performed examinations and taker	n corrective measures described in this
Owner's Report in accordance with the req	priments of the ASME Code, Section XI.	
· · · · ·		
By signing this certificate neither the Insp	pector or his employer makes any warranty	y, expressed or implied, concerning the
examinations and corrective measures de	scribed in this Owner's Report. Furthermore	, neither the Inspector nor his employer
shall be fiable in any manner for any pers	onal injury or property damage or a loss of	any kind arising from or connected with
this inspection.	i	
C MOSTAKA A KOWI 10/	10/13 Commissions	
Inspector's Signature		NB 13930 SC 264 ANII le, Province, and Endorsements
	· · · ·	• •
Date <u>10/10/2013</u>		
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APPENDIX II MANDATORY

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Form NIS 2

FORM NIS-2 OWNER'S REPOR	FOR REPAIR/REPLACE	VENT ACTIVITY
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As Required by the Provisions of the ASME Code Section XI

1.	Owner DUKE-ENERGY-PROGRESS_INC Name	Date:	11/20/2013
	526 S. Church Street. Charlotte. NC 28201 Address	Sheel:1	_ of2
2.	Piant H.B.ROBINSON	Unit:	2
	3581 WEST Entrance RD: HARTSVILLE, SC 29550 Address	EC#:N/A WR/WO:2148448 Repair Organizatio	EE:N/A CR:N/A In PO No;Job No;etic.
3.	Work Performed by <u>PROGRESS ENERGY CAROLINAS, INC</u> Name <u>3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550</u> Address	Type Code Symbol Star Authorization No.: Expiration Date;	
4.	tdentification of System: Class:3 CHEMICAL AND VOL	UME CONTROL SYSTEM	2060
5.	(a) Applicable Construction Code <u>: 8 31.1</u> Edition <u>: 1987</u> Design Specificatio		Code Case <u>:N/A</u>
	(b) Applicable Edition of Section XI Used for Repair/Replacement	Activity: 2007 Edition 2008	Addenda

Code Case: MA

Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Cliner Identification	Year Built	Conscient, Removed, or Installed	ASME Code Sizmp (Yes or No)
Valve Bonnet	Maintenance	N/A	N/A	CVC-335	1994	Removed	N
Valve Bonnel	ITT Engineered	889526-001- 002	N/A	CVC-335	2013	Installed	N
		ļ	<u> </u>				
· · · ·					-		-
				1		1	

7. Description of Work: Replaced bonnet assembly

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [K] Exampl [-]

Other (VT-2) Pressure (NOP) psig Test Temp. (NOT) *F

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Sheet 2 of 2.

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9. Remarks: See WO 2148448 tumover package.

Applicable Manufacturer's Data Reports to be attached	
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CERTIFICATE OF CO	MPI IANGE
I certily that the statements made in the report are correct and this confo	
Type Code Symbol Stamp	N/A
Certificate of Authorization No.	N/A
Signed Maker ISI ENGINE	ER. Date 10/9/2013
Owner or Owner's	Designee, Title
CERTIFICATE OF INSERVI	CE INSPECTION
I, the undersigned, holding a valid commission issued by the Nation	N Board of Boiler and Pressure Vessel Inspectors and the
State or Province of <u>South Carolina</u> , and employed	by <u>HSBCT</u> of <u>HARTFORD</u> , <u>CONNECTICUT</u> have
inspected the components described in this Owner's Report during	the period 4/17/2013 to 10/9/2013 and state that to the
best of my knowledge and belief, the Owner has performed exami	nations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME C	ode, Section XI.
By signing this cartificate neither the inspector or his employer m	akes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Riv	eport. Furthermore, neilher the Inspector nor his employer
shall be liable in any manner for any personal injury or property da	nage or a loss of any kind arising from or connected with
this inspection.	

 EVESTAGE
 Commissions
 NB 13930 SC 264 ANII

 Inspector's Signature
 National Board, State, Province, and Endorsements

Date:10/9/2013

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APPENDIX II MANDATORY

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner DUKE-ENERGY-PROGRESS, INC Name	Date:1	/8/2014
	526 S. Church Street, Charlotte, NC 28201 Address	Sheet: 1	of2
2.	Plant <u>H.8.ROBINSON</u> Name	Unit:2 EC#:ME 7555	
	3581 WEST Entrance RD: HARTSVILLE, SC 29550 Address	WR/WO:2047191 Repair Organization I	EE:N/A CR:N/A PO No:Job No:elc.
3.	Work Performed by <u>PROGRESS ENERGY CAROLINAS, INC</u> Name <u>3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550</u> Address	Type Code Symbol Stamp; Authorization No.: Expiration Date:	N/A N/A N/A
4.	Identification of System: Class:1 CHEMICAL AND VOLU	IME CONTROL SYSTEM	2050
5.	(a) Applicable Construction Code <u>. D1.1/B31.1</u> Edition Design Specification	<u>1988</u> Addenda <u>;N/A</u> : <u>N/A</u>	Code Case <u>: N/A</u>

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2007 Edition 2008 Addenda . Code Case: <u>N/A</u>

6. Identification of Components Repaired or Replaced and Replacement Components

1

Name ol Component	Name of Manufacturer	Manulacturer Serial No	National Board No.	Olher Identification	Year Buill	Corrected. Removed, or Installed	ASME Code Stamp (Yes or No)
Anchor Boll	Maintenance	N/A	N/A	CPL-134/G	1971	Removed	N
Anchar Bolt	Mackson	N/A	N/A	CPL-134/G	2013	Installed	N
U-Boll	Maintenance	N/A	NA	CPL-134/G	1971	Removed	N
U-Boll	Anvil International	N/A	N/A	CPL-134/G	2013	Installed	N
							<u> </u>

7. Description of Work: Replace anchor bolt and U-bolt on support CPL-134-G

8. Test Conducted: Hydroslatic [] Pneumatic [] Nominal Operating Pressure [] Exempt []

Other [VT-3] Pressure [N/A] psig Test Temp. [N/A] *F

13-016

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Sheet 2 of 2

9. Remarks: <u>See WQ 2047191 lumover packade.</u> Applicable Manufacturer's 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
Certificate of Authorization NoN/A
Signed
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>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> , <u>CONNECTICUT</u> have
inspected the components described in this Owner's Report during the period <u>2/27/2012</u> to <u>1/8/2014</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.
Q.MOSTANA Q.XO.U.M Commissions NB 13930 SC 264 ANII Inspector's Signature National Board, State, Province, and Endorsements
Date: <u>1/8/2014</u>

13-016

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APPENDIX II MANDATORY

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Form NIS 2

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

	As Required by the Provisions of th	e ASME Code Section XI	
	Owner PROGRESS ENERGY CAROLINAS, INC Name	Date:	10/12/2013
	411 FAYETTEVILLE ST., RALEIGH, NC 27802 Address	Sheet:1_	of2
ı	Plant H.B.ROBINSON	Unit:	2
	- Hanie	EC#:N/A	EE:N/A
	3561 WEST Entrance RD: HARTSVILLE, SC 29550	WR/WO:2065682	CR:N/A
	Address		nization PO No; Job No;etc.
	Work Performed by PROGRESS ENERGY CAROLINAS, INC	Type Code Symbol	
	Name	Authorization No.:	
	3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550 Address	Expiration Oate:	<u>N/A</u>
•	Identification of System: Class:2 INSTRUMENT A	R <u>6135</u>	•
	(a) Applicable Construction Code <u>, B 31.1</u> Edition <u>196</u> Design Specifi		Code Case <u>:N/A</u>
	(b) Applicable Edition of Section XI Used for Repair/Replacer		2008 Addenda Case: <u>N/A</u>
i.	Identification of Components Repaired or Replaced and Replaced	cement Components	

Name of Component	Name of Manufacturer	Manufacturer Seriel No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve Disc	Ebasco	N/A	N/A	IA-525	1971	Removed	N
Valve Disc	Velan	N/A	N/A	IA-525	2013	Installed	N
							-

7. Description of Work: <u>Replaced IA-525 Valve Disc.</u>

8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [] Exempt []

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

13-017

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Sheet 2 of 2.

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Remarks: See WO 2065682 tymover package. Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
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 bigN/A
Signed ISI ENGINEER Qate 10/12/2013
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
t, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the
State or Province of <u>South Carolina</u> and amployed by <u>HSBCT</u> of <u>HARTFORD</u> CONNECTICUT have
inspected the components described in this Owner's Report during the period 10/7/2013 to 10/12/2013 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
E HOTATA RIGUY Commissions NB 13930 SC 264 ANII Inspector's Signature National Board, State, Province, and Endorsements
Date 10/12/2013

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APPENDIX II MANDATORY

Form NIS 2

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

Ow	ner <u>DUKE-ENERGY-PROGRESS, IN(</u> Name		Date:	10/29/2013
<u>520</u>	S. Church Street, Charlotte, NC 28201 Address		Sheel:1	of 2
Pla	nt H.B.ROBINSON Name		Unit'	2
351	11 WEST Enfrance RD: HARTSVILLE, SC Address	29550	EC#.N/A WR/WO:2148451 Repair Organ	EE:N/A CR:N/A lization PO No;Job No;etc.
	wk Performed by <u>PROGRESS ENERGY CA</u> Name		Type Code Symbol Authorization No.:	N/A
	BI WEST ENTRANCE RD; HARTSVILLE, S Address	<u>SC 29550</u>	Expiration Date:	N/A
lde	ntification of System: Class:2	CHEMICAL AND VOLU	ME CONTROL SYS	TEM 2060
(a)	Applicable Construction Code: B 31.1	Edition <u>: 1967</u> Design Specification	Addenda <u>; N/A</u> 728-209-21	Code Case <u>:N/A</u>
(h)	Apply ashield Edition of Section VI Used for	Renair/Renlacement A	civity: 2007 Edition	chechha 8000

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2007 Edition 2008 Addenda Code Case: <u>N/A</u>

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 Assembly	Grinnell	NA	N/A	CVC-600	1971	Removed	N
Bonnet Assembly	ITT Industrial	872293-001- 001	N/A	CVC-600	2013	Installed	N
				<u> </u>			

7. Description of Work: <u>Replaced valve bonnet assembly</u>.

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8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [X] Exempt [-]

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

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Sheet 2 of 2.

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	ERTIFICATE 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 Slamp	N/A
Certificate of Authorization Ng.	N/A
signed _ Low A Ch	ISI ENGINEER Dale 10/14/2013
	Owner or Owner's Designee, Title
CERTIF	ICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission i	ssued by the National Board of Boiler and Pressure Vessel Inspectors and the
State or Province of <u>South Carolina</u>	and employed by <u>HSBCT</u> of <u>HARTFORD</u> , CONNECTICUT have
inspected the components described in this O	wner's Report during the period <u>4/3/2013</u> to <u>10/14/2013</u> and state that to the
best of my knowledge and belief, the Owner h	as performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirem	nents of the ASME Code, Section XI.
By signing this certificate neither the Inspector	r or his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures describe	ed in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal i	injury or property damage or a loss of any kind arising from or connected with
this Inspection.	
AHOSTNA AKOULI	Commissions NB 13930 SC 264 ANII
Inspector's Signature	National Board, State, Province, and Endorsements
Dale: <u>10/14/2013</u>	

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APPENDIX II MANDATORY

Form NIS 2

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

As Required b	v the Provisions	of the ASME	Code Section XI
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1.	Owner	DUKE-ENERGY	-PROGRESS, IN	Ç .	Date:		1/8/2014		
	<u>526 S. (</u>	Church Street, Charl Address	otte, NC 28201	<i>.</i>	Sheet:		of 2		
2.	Plant	H.B.ROBINSON Name	l						
	<u>3581 W</u>	EST Entrance RD: H Address	ARTSVILLE, SC	29550	WR/WO:20		EE:N/A CR:N/A Ion PO No;Job No;e		
3.		erformed by <u>PROGF</u>	Name		Authorizati	Symbol Sta on No.:	N/A		
		EST ENTRANCE R Address			·	Date:			
4.	Identific	ation of System: <u>C</u>	lass:2	CONTAINMEN	IT SPRAY SYSTEM	2()80		
5.	(a) A	pplicable Construction	on Cade <u>: B 31.1</u>		967 Addenda cification: <u>CPL-XX</u>		Code Case <u>:N/A</u>		
	(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2007 Edition 2008 Addenda Code Case: <u>NA</u>								
6.	Identifi	ation of Component	s Repaired or Rep	laced and Re	placement Compone	nis			
Name of Compone		Name of Manufacturer	Manulacturer Serial No.	Nationat Board No	Other Identification	Year Built	Corrected, Removed, or installed	ASME Code Stamp (Yes or	

Name of Component	Name of Manufacturer	Manulacturer Serial No.	Nationat Board No	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Support	Ebasco	N/A	N/A	232/Y	1971	Removed	N
Support	Maintenance	N/A	N/A	232/Y	2013	Installed	N
						·	

7. Description of Work: Modified support per EC 85906

8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [] Exempt []

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

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Sheet 2 of 2

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Remarks: <u>See WO 2098532 lurnover package</u> Applicable Manulacturer's Data Reports to be attached

CEDTIFICA							
· · · · · · · · · · · · · · · · · · ·	TE OF COMPLIANCE						
I certily that the statements made in the report are correct and	I this conforms to the require	ments of the ASME Code, Section XI.					
Type Code Symbol Stamp	N/A	<u></u>					
Certificate of Authorization No	N/A						
	SIENGINEER	Date 1/8/2014					
Owner	or Owner's Designee, Tille						
CERTIFICATE OF INSERVICE INSPECTION							
1, the undersigned, holding a valid commission issued by t	he National Board of Boiler	and Pressure Vessel Inspectors and the					
State or Province of South Carolina and	employed by <u>HSBCT</u>	of HARTFORD, CONNECTICUT have					
inspected the components described in this Owner's Repo							
of my knowledge and belief. The Owner has performed exa	- · .						
Report in accordance with the requirements of the ASME							
By signing this certificate neither the Inspector or his en	mlover makes any warran	he expressed or implied concerning the					
examinations and corrective measures described in this (
	•	• • •					
shall be liable in any manner for any personal injury or pr	openy damaga or a loss o	any kino ansing from or connected with					
this inspection.							
ELMOSTAFA ELGUM	Commissions	NB 13930 SC 264 ANII					
Inspector's Signature	National Board, S	ate, Province, and Endorsements					
Date: <u>1/8/2014</u>							
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APPENDIX II MANDATORY

Form NIS 2

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

As Required h	v the Provisions	of the ASME	Code Section XI
M3 INEQUIEU U	A 110 L 1041310113		

1.	Owner	Dwner DUKE-ENERGY-PROGRESS, INC Name				Date:		10/29/2013	
	<u>526 S. (</u>	<u>Church Street, Char</u> Address	iolie, NC 28201			Sheel:	1	of 2	<u> </u>
2.	Plant_	H.B.ROBINSO	N					2	
	<u>3581_N</u>	/EST Enirance RD; Address	HARTSVILLE, SC	29550		EC#:85906 WR/WQ:20 Rep	3 098537 Jab Organiza	EE:N/A CR:N/A tion PO No;Job No;d	3lC.
3.		Performed by <u>PROG</u>	Name		INC	Authorizati	on No.:	N/A	
	<u>3581 W</u>	<u>/EST ENTRANCE F</u> Address	O: HARTSVILLE	<u>. SC 29550</u>		Expiration	Date;	<u>N/A</u>	· · · · · · · · · · · · · · · · · · ·
4.	Identifu	cation of System:	lass:2	SAFETY INJ	ECTION S	SYSTEM	2080		
5.	(a) A	pplicable Construct	ion Code <u>: B31.1</u>			Addendi 1: <u>676258</u>	B <u>: N/A</u>	Code Case <u>:N/A</u>	
	(b) Aç	nplicable Edition of S	Section XI Used fo	or Repair/Rep)	acement	Activity: <u>200</u>	7 Edition 200 Code Cas		
6.	Identifi	cation of Componen	ts Repaired or Re	placed and R	eplaceme	nt Compone	nts	1	T
Name of Compone	ani .	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identific	allon	Yeər Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve		Anchor Darling	N/A	N/A	SI-880	Ð	1971	Removed	N
Valve		Flowserve	BO286	N/A	SI-880	D	2013	Instatled	N
			ļ	-			<u> </u>	·	<u> </u>
							<u> </u>	<u> </u>	
			1				1		1

7. Description of Work: Replaced Valve

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8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure (X) Exempt (-)

Other (VT-2) Pressure (NOP) psig Test Temp. (NOT) *F

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). Remarks: <u>See WO 2085937 (wnover package</u> Applicable Manufacturer's Data Reports to be attached					
(CERTIFICATE OF COMPLIANCE				
I certify that the statements made in the report are	correct and this conforms to the requ	irements of the ASME Code, Section XI.			
Type Code Symbol Stamp	N/A				
Certificate of Authorization No	N/A				
signed		Date 10/15/2013			
	Owner or Owner's Designee, Title				
CERTI	FICATE OF INSERVICE INSPECTI	DN			
I, the undersigned, holding a valid commission	issued by the National Board of Boi	ler and Pressure Vessel Inspectors and the			
State or Province of <u>South Carolina</u>	and employed by	of HARTFORD, CONNECTICUT have			
inspected the components described in this O	wher's Report during the period 1/2	8/2013 to 10/15/2013 and state that to the			
best of my knowledge and belief, the Owner I	has performed examinations and la	ken corrective measures described in this			
Owner's Report in accordance with the requirer	ments of the ASME Code, Section X	I.			
By signing this certificate neither the Inspecto	r or his employer makes any warn	anly, expressed or implied, concerning the			
examinations and corrective measures describ	ed in this Owner's Report. Furthem	ore, 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.					
Arlostatia akoum	Commissions				
Inspector's Signature	National Board.	State, Province, and Endorsements			
Dale:10/15/2013					

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APPENDIX II MANDATORY

Form NIS 2

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

Ac Dac	wiend hu	the Provisions	of the	ACHE	Codo	Contion VI
as rec	ureo by	UTH FIGUISIONS	or me	NOWE	rođe	Section VI

1.	Owner	DUKE-ENERG	<u>r-PROGRESS, I</u> Name	NC	Date:		1/8/2014	
	<u>526 S. (</u>	Church Street, Char Address	oile. NC 28201		Sheet:	1	ol	2
2.	Plant	H.B.ROBINSON Name	1		Unit:		2	
	3581 W	EST Enirance RD: Address	HARTSVILLE. S	<u>C 29550</u>		085930	EE:N/A CR:N/A Won PO No:Job No	
3.		erformed by <u>PROG</u>	Name		Authorizati	on No.:	amp: <u>N/A</u> N/A	·
		Address						
4. 5. 6.	(a) A (b) Ap	oplicable Construct	ion Code <u>:_B31,1</u> ieclion XI Used I	L Edition; Design Sp or Repair/Repl	ECTION SYSTEM <u>1967</u> Addend: ecification: <u>676258</u> acement Activity: <u>2007</u>	a <u>:N/A</u> / <u>Edillon 20</u> Code Ca	Code Case <u>:N/A</u> 08 Addenda	
Name of Compone	ani	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other Identification	Year Built	Corrected. Removed, or Installed	ASME Code Stamp (Yes or No)
Valve		Anchor Darling	N/A	N/A	SI-880A	1971	Removed	N
Valve		Flowserve	BO264	N/A	SI-880A	2013	Installed	N
								

7. Description of Work: <u>Replace valve and piping</u>,

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [X] Exempt [-]

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

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Sheel 2 of 2

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Remarks: See WO 2085930 lumover package Applicable Manufacturer's Data Reports to be attached

I certify that the statements made in the report a	-	
	<u>N/A</u>	an an taga ang kanang ang kanang ang kanang kana
Certificate of Authoritzation No.	<u>N/A</u>	
Bigned Muller		Qate 1/8/2014
	Owner or Owner's Designee, Title	
CERT	TIFICATE OF INSERVICE INSPECTIO	Ņ
I, the undersigned, holding a valid commissio	on issued by the National Board of Boild	ar and Pressure Vessel Inspectors and
State or Province ofSouth Carolina	and employed by	of HARTFORD, CONNECTICUT h
inspected the components described in this	Owner's Report during the period 11/	28/2012 to 1/8/2014 and state that to
best of my knowledge and belief, the Owne	er has performed examinations and tak	ten corrective measures described in
Owner's Report in accordance with the requir	·	
By signing this certificate neither the Inspec	ctor or his employer makes any warra	nty, expressed or implied, concerning
examinations and corrective measures descr		•••••••••••••••••
shall be liable in any manner for any persona	•	•
this inspection.	anitally of bioboily contage of a lass.	ar any nina anong nom or connected i
uns inspection.		
RMOSTAFA ELLOUIL	Commissions	NB 13930 SC 264 ANII
Inspector's Signature	National Board, S	State, Province, and Endorsements
B-1		
Dale: <u>1/8/2014</u>		

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APPENDIX II MANDATORY

Form NIS 2

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

Δa	Required	by the Provise	ons of the	ASME Cox	te Section XI
~3	1 redance	AA A RELIGITATION			

1.	Owner	DUKE-ENERG	<u>Y-PROGRESS, IN</u> Name	IC.	Dale:		1/8/2014	
	526 S.	Church Street, Char Address	otte. NC 28201		Sheet:_	<u> </u>	of	2
2.	Plant_	H.B.ROBINSO Name	Y					
	<u>3581 W</u>	EST Entrance RD: Address	HARTSVILLE, SC	29550		2066073	EE:N/A CR:N/A tian PO No;Job Na	
3.		Performed by <u>PROG</u> VEST ENTRANCE F Address	Name		Authoriz	ode Symbol Station No.: on Date:	amp: <u>N/A</u> N/A N/A	
4.	Identifi	cation of System:	lass:3	CHEMICAL /	ND VOLUME COM	ITROL SYSTE	M 2060	
5. 6.	(b) Aj	Applicable Construct oplicable Edition of S cation of Componen	Section XI Used fo	Design Sp r Repair/Repl	ecification: <u>67621</u> acement Activity. <u>2</u>	007 Edition 20 Code Ca		annon a Tura
Name of Compon		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Olher Idenlification	Year . Built	Corrected. Removed, or Installed	ASME Code Stamp (Yes or No)
Bonnel Assem		ITT Engineered Valves	N/A	N/A	CVC-353	1971	Removed	N
Bonne Assem	t	ITT Engineered Valves	878033-001- 001	N/A	CVC-353	2013	Installed	N
			1	1	1	1		

7. Description of Work: Replace bonnet assembly on valve CVC-353

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [-]

Other (VT-2) Pressure (N/A) psig Test Temp. (N/A) *F

13-022

Page 106 of 195

Sheet 2 of 2

	CERTIFICATE OF COMPLIANCE	
certify that the statements made in the rep	ort are correct and this conforms to the requireme	nts of the ASME Code, Section XI.
ype Code Symbol Stamp	N/A	
Certificate of Authorization No	N/A	
igned MWBO	ISI ENGINEER	Date 1/8/2014
•	Owner or Owner's Designee, Title	
C	ERTIFICATE OF INSERVICE INSPECTION	
• •	ission issued by the National Board of Boiler an	•
State or Province of <u>South Carolina</u>	and employed by <u>HSBCT</u> of	HARTFORD, CONNECTICUT h
nspected the components described in	this Owner's Report during the period 10/11/2	013 to 1/8/2014 and state that to
est of my knowledge and belief, the O	wher has performed examinations and taken o	corrective measures described in
	wher has performed examinations and taken or equirements of the ASME Code, Section XI.	corrective measures described in
Owner's Report in accordance with the re		
Owner's Report in accordance with the re By signing this certificate neither the Ins	equirements of the ASME Code, Section XI.	expressed or implied, concerning
Owner's Report in accordance with the re By signing this certificate neither the Ins examinations and corrective measures d	equirements of the ASME Code, Section XI. spector or his employer makes any warranty,	expressed or implied, concerning neither the Inspector nor his emplo
Owner's Report in accordance with the re By signing this certificate neither the Ins examinations and corrective measures d	equirements of the ASME Code, Section XI. spector or his employer makes any warranty, rescribed in this Owner's Report. Furthermore, r	expressed or implied, concerning neither the Inspector nor his emplo
Owner's Report in accordance with the re By signing this certificate neither the Ins examinations and corrective measures d shall be liable in any manner for any per	equirements of the ASME Code, Section XI. spector or his employer makes any warranty, escribed in this Owner's Report. Furthermore, i sonal injury or property damage or a loss of ar	expressed or implied, concerning neither the inspector nor his emplo ny kind arising from or connected h
Owner's Report in accordance with the re By signing this certificate neither the Ins examinations and corrective measures d shall be liable in any manner for any per	equirements of the ASME Code, Section XI. spector or his employer makes any warranty, tescribed in this Owner's Report. Furthermore, i sonal injury or property damage or a loss of ar Commissions	expressed or implied, concerning neither the Inspector nor his emplo
Dwner's Report in accordance with the re By signing this certificate neither the Ins examinations and corrective measures d shall be liable in any manner for any per his inspection.	equirements of the ASME Code, Section XI. spector or his employer makes any warranty, tescribed in this Owner's Report. Furthermore, i sonal injury or property damage or a loss of ar Commissions	expressed or implied, concerning neither the Inspector nor his emplo ny kind arising from or connected to NB 13930 SC 264 ANII
Dwner's Report in accordance with the re By signing this certificate neither the Ins examinations and corrective measures d shall be liable in any manner for any per his inspection.	equirements of the ASME Code, Section XI. spector or his employer makes any warranty, tescribed in this Owner's Report. Furthermore, i sonal injury or property damage or a loss of ar Commissions	expressed or implied, concerning neither the Inspector nor his emplo ny kind arising from or connected to NB 13930 SC 264 ANII

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APPENDIX II MANDATORY

Form NIS 2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner PROGRESS ENERGY CAROLINAS_INC Name	Date	10/16/2013
	411 FAYETTEVILLE ST. RALEIGH_NC 27602 Address	Sheel1	of 2
2.	Plani <u>H, B. ROBINSON</u> Name	Unit;	
	3581 WEST Entrance RD: HARTSVILLE, SC 29550 Address	EC# N/A WR/WO:2274240 Repair Organiza	EE:N/A CR:N/A ation PO No;Job No;etc,
3	Work Performed by <u>PROGRESS ENERGY CAROLINAS, INC</u> Name 3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550 Address	Type Code Symbol St Authorization No.: Expiration Date:	N/A
4.	Identification of System: Class:3 SERVICE WATER S	YSTEM 4060	
5	(a) Applicable Construction Code: <u>8 31.1</u> Edition: <u>1967</u> Design Specification	Addenda <u>; N/A</u> on: <u>N/A</u>	Code Case <u>N/A</u>
	(b) Applicable Edition of Section XI Used for Repair/Replacement		<u>08 Addenda</u> Ise: <u>N/A</u>
6.	Identification of Components Repaired or Replaced and Replacem	ent Components	

Name of Component	Name of Manufacturer	Manufacluter Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed, or Installed	ASME Code Slamp (Yes of No)
Pump	Sulzer Pumps	JZ-6435	N/A	SW-PMP-B	2009	Removed	N
Pump	Johnston Pump	JZ-6436	N/A	SW-PMP-B	2013	Installed	N

.

7. Description of Work: <u>Replaced service water pump "B"</u>

8 Test Conducted' Hydrostatic [] Pneumatic [] Nominal Operating Pressure [] Exempt []

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

13-023

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State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> . <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>8/9/2013</u> to <u>10/16/2013</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		CERTIFICATE OF COMPLIANCE
Certificate of Authorization Magnetic Signed N/A Signed ISI ENGINEER Date 10/18/2013 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>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> . <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>B972013</u> to <u>10/16/2013</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 shalt be fable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. UMMAA Commissions NB 13930 SC 264 ANII Inspector's Signature National Board, State, Province, and Endorsements	I certify that the statements made in the report as	re correct and this conforms to the requirements of the ASME Code, Section XI.
Signed ISI ENGINEER Date 10/19/2013 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>South Carolina</u> and employed by <u>HSBCT</u> of <u>MARTFORD</u> . CONNECTICUT have inspected the components described in this Owner's Report during the period <u>0/9/2013</u> to <u>10/16/2013</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 shalt be fiable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>AMEMAA</u> Commissions NB 13930 SC 264 ANII Inspector's Signature National Board, State, Province, and Endorsements	Type Code Symbol Stamp	N/A
Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> . CONNECTICUT have inspected the components described in this Owner's Report during the period <u>8/9/2013</u> to <u>10/16/2013</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 fiable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>AHOTMAA ALWU</u> Commissions NB 13930 SC 264 ANII. National Board, State, Province, and Endorsements National Board, State, Province, and Endorsements	Certificate of Authorization NO	N/A
It he undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> , <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>8/9/2013</u> to <u>10/(16/2013</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>HUETHAA</u> <u>Commissions</u> <u>NB 13930 SC 264 ANII</u> Inspector's Signature National Board, State, Province, and Endorsements	signed	
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>South Carolina</u> , and employed by <u>HSBCT</u> of <u>HARTFORD</u> . <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>8/9/2013</u> to <u>10/16/2013</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 fiable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>EHEDTHA AUGUM</u> Inspector's Signature Commissions <u>NB 13930 SC 264 ANII</u> National Board, State, Province, and Endorsements		Owner or Owner's Designee, Tille
State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> . <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>8/9/2013</u> to <u>10/16/2013</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 fiable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>AHOTMA ABAM</u> Inspector's Signature <u>NB 13930 SC 264 ANII</u> National Board, State, Province, and Endorsements	CERT	TIFICATE OF INSERVICE INSPECTION
State or Province ofSouth Carolinaand employed byHSBCT of HARTFORD. CONNECTICUT have inspected the components described in this Owner's Report during the period 8/9/2013 to 10/16/2013 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 fiable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. AHOTMAA AHOUL CommissionsNB 13930 SC 264 ANII Inspector's Signature National Board, State, Province, and Endorsements		
Inspected the components described in this Owner's Report during the period <u>8/9/2013</u> to <u>10/16/2013</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 fiable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>BHOSTAFA ALGAAL</u> Inspector's Signature Commissions <u>NB 13930 SC 264 ANII</u> National Board, State, Province, and Endorsements	I, the undersigned, holding a valid commission	n issued by the National Board of Boiler and Pressure Vessel Inspectors and 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>AHOTMAA AHOM</u> Inspector's Signature <u>NB 13930 SC 264 ANII</u> National Board, State, Province, and Endorsements	State or Province of <u>South Carolina</u>	and employed by HSBCT of HARTFORD. CONNECTICUT have
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 fiable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>AHOTHA AKOMA</u> Commissions <u>NB 13930 SC 264 ANII</u> Inspector's Signature	inspected the components described in this (Owner's Report during the period 8/9/2013 to 10/16/2013 and state that to the
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 table in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. AHOTHA AKOUL Commissions NB 13930 SC 264 ANII Inspector's Signature National Board, State, Province, and Endorsements	best of my knowledge and belief, the Owner	r has performed examinations and taken corrective measures described in this
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>AHOENTRA ANOUN</u> Inspector's Signature Commissions NB 13930 SC 264 ANII National Board, State, Province, and Endorsements	Owner's Report in accordance with the require	ements of the ASME Code, Section XI.
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>AHOENTRA ANOUN</u> Inspector's Signature Commissions NB 13930 SC 264 ANII National Board, State, Province, and Endorsements		tor or his amplover makes any warranty, avorassed or implied, concerning the
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>AHOENTAA AKOUL</u> Inspector's Signature Commissions <u>NB 13930 SC 264 ANII</u> National Board, State, Province, and Endorsements	By singing this contificate pather the Inspect	the of the employer makes any wereinty, expressed of impact, concerning the
this inspection. AHOT MFA AKOUL Commissions NB 13930 SC 264 ANII Inspector's Signature National Board, State, Province, and Endorsements		ibad in this Augusta Brand. Euclideances, souther the Increased are his Advances
AHOLDATA NB 13930 SC 264 ANII Inspector's Signature National Board, State, Province, and Endorsements	examinations and corrective measures descri	
Inspector's Signature National Board, State, Province, and Endorsements	examinations and corrective measures descri shall be liable in any manner for any persona	
	examinations and corrective measures descri shall be liable in any manner for any persona	
Date: 10/16/2013	examinations and corrective measures descri shall be liable in any manner for any persona this inspection.	al injury or property damage or a loss of any kind arising from or connected with
	examinations and corrective measures descriptions and corrective measures description and the liable in any manner for any personal this inspection.	al injury or property damage or a loss of any kind arising from or connected with Commissions NB 13930 SC 264 ANII
	examinations and corrective measures descri- shall be liable in any manner for any persona this inspection. <u>AHOENTRA ANOUN</u> Inspector's Signature	al injury or property damage or a loss of any kind arising from or connected with Commissions NB 13930 SC 264 ANII

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APPENDIX II MANDATORY

Form NIS 2

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

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As Required L	v the	Provisions	of the	ASME	Code	Section	XI
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1.	Owner <u>DUKE-ENERGY-PROGRESS, INC</u> Name	Date:	10/29/2013
	526 S. Church Street, Charlotte, NC 28201 Address	Sheet:1	of2
2.	Piant H.B.ROBINSON	Unit:	2
	· · · · ·	EC#:85906	EE:N/A
	3581 WEST Entrance RD: HARTSVILLE, SC 29550	WR/WO:2098532	CR:N/A
	Address		tzation PO No; Job No;etc.
3.	Work Performed by PROGRESS ENERGY CAROLINAS, INC	Type Code Symbol	
	Name	Authorization No.:_	
	3581 WEST ENTRANCE RD. HARTSVILLE, SC 29550 Address	Expiration Date:	N/A
4,	Identification of System: Class:2 SAFETY INJECTION	SYSTEM2	050
5.	(a) Applicable Construction Code <u>: B31,1</u> Edition <u>; 1967</u> Design Specificati	Addenda <u>:N/A</u> ion: <u>676258</u>	Code Case <u>:N/A</u>
	(b) Applicable Edition of Section XI Used for Repair/Replacement		2008 Addenda Case: N/A
6.	Identification of Components Repaired or Replaced and Replacen	nent Components	

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Year Buit	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve	Anchor Darling	N/A	N/A	SI-880C	1971	Removed	N
Valve	Flowserve	BO285	N/A	SI-880C	2013	Installed	N
Pipe	Ebasco	N/A	N/A	6-SI-301R-30	1971	Removed	N.
Pipe	OuBose National	N/A	N/A	6-SI-301R-30	2013	Installed	N

7. Description of Work: <u>Replaced valve and piping</u>.

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [X] Exempt [-]

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

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Sheet 2 of 2.

9. Remarks: See WO 2005932 tumover packade	9.	Remarks: See WO 2085932 turnover package
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Applicable Manufacturer's 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					
Certificate of Authorization No N/A					
Signed ISI ENGINEER Date 10/17/2013					
Owner or Owner's Designee, Title					
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>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> , <u>CONNECTICUT</u> have					
inspected the components described in this Owner's Report during the period 1/28/2013 to 10/17/2013 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>EMESTAGE AYOUM</u> Commissions <u>NB 13930 SC 264 ANII</u> Inspector's Signature National Board, State, Province, and Endorsements Date:10/17/2013					
13-024					

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APPENDIX II MANDATORY

Form NIS 2

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

As Required by	the Provisions o	filhe ASME	Code Section Xi

1,	Owner PROGRESS ENERGY CAROLINAS, INC Name	Dale;	10/17/2013
	411 FAYETTEVILLE ST., RALEIGH, NC 27602 Address	Sheet:1	of2
2.	PlantH.B.ROBINSON	Unil:	2
	Name	EC#:N/A	EE N/A
	3581 WEST Entrance RD; HARTSVILLE, SC 29550	WR/WO:774374	CR:N/A
	Address	Repair Organizal	lion PO No; Job No; etc.
3.	Work Performed by PROGRESS ENERGY CAROLINAS, INC	Type Code Symbol Sta	mp:N/A
	Name	Authorization No.:	N/A
	3581 WEST ENTRANCE RD; HARTSVILLE, SC 29550	Expiration Date:	N/A
	Address		
4	Identification of System <u>Class 2</u> CHEMICAL AND VOL	UME CONTROL SYSTE	M 2060
5.	(a) Applicable Construction Code <u>8 31.1</u> Edition <u>1967</u> Design Specification	Addenda <u>, N/A</u> n; <u>5379-00685 SH 2</u>	Code Case <u>:N/A</u>

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2007 Edition 2008 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.	Olher Identification	Year Buit	Correcled, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve Disc	Crane Valve	N/A	N/A	CVC-266	1971	Removed	N
Valve Disc	Crane Valve	N/A	N/A	CVC-266	2013	Installed	N
Bonnet Bolt	Maintenance	N/A	N/A	CVC-266	1971	Removed	N
Bonnet Bolt	Maintenance	N/A	N/A	CVC-266	2013	Installed	N
Bonnet Nut	Maintenance	N/A	N/A	CVC-266	1971	Removed	N
Bonnet Nut	Maintenance	N/A	N/A	CVC-266	2013	Installed	N
	1		1	1		1	

7. Description of Work: <u>Replaced Valve Disc</u>

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [-]

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

13-025

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· .	CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the rej	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		Date 10/17/2013
•	Owner or Owner's Designee, Title	
• • •		
I the understaned, holding a valid comm	ion issued by the National Board of Boiler and Pressur	e Vessel inspectors and the
	and employed by <u>HSBCT</u> of HARTFO	
	Owner's Report during the period 10/10/2013 to 10/1	
	her has performed examinations and taken corrective	
	•	Inseance described in Ites
Owner's Report in accordance with the r	irements of the ASME Cade, Section XI.	
By signing this certificate neither the tr	ector or his employer makes any warranty, expressed	d or implied, concerning the
examinations and corrective measures	cribed in this Owner's Report. Furthermore, neither the	e Inspector nor his employer
shall be liable in any manner for any pe	nal injury or property damage or a loss of any kind ar	ising from or connected with
this inspection.		·
ALLERAD OLLERAL	<i>"</i> .	
Inspector's Signature	Commissions <u>NB</u> National Board, State, Province	13930 SC 264 ANII
		,
Date: 10/17/2013		

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APPENDIX II MANDATORY

Form NIS 2

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

As Required by	v the Provisions	of the ASME	Code Section XI
			AAAA AREAAII VA

1.	Owner <u>DUKE-ENERGY-PROGRESS, INC</u> Name	Date:	1/8/2014
	526 S. Church Street, Charlotte, NC 28201 Address	Sheet:1	012
2 .	Plant <u>H.B. ROBINSON</u> Name	Unit;	2
		EC#.92434	EE:N/A
	3581 WEST Entrance RD; HARTSVILLE, SC 29550	WR/WO:1927047	CR:N/A
	Address		ation PO No; Job No; etc.
3.	Work Performed by PROGRESS ENERGY CAROLINAS, INC	Type Code Symbol S	
	Name	Authorization No.:	
	3581 WEST ENTRANCE RD: HARTSVILLE. SC 29550 Address	Expiration Date:	N/A
4.	Identification of System: Class:3 SERVICE WATE	R SYSTEM 4060	
5.	(a) Applicable Construction Code <u>: 831.1</u> Edition <u>: 196</u> Dasign Specifit	Addenda <u>:N/A</u> alion: <u>CPL-HBR2-M-046</u>	Code Case <u>:N/A</u> <u>& 048</u>
	(b) Applicable Edition of Section XI Used for Repair/Replacen		<u>108 Addenda</u> 3se: <u>N/A</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	Nalionat Board No.	Oth ar Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve	Crane	N/A	N/A	SW-61	1971	Removed	N
Valve	Argo Turbo Service	271660-01-06	N/A	SW-61	2013	Installed	N
Slud	Ebasco	N/A	N/A	SW-61	1971	Removed	N
Siud	Nova Machine	N/A	N/A	SW-61	2013	Installed	N
	· · ·		T				

7. Description of Work: Replace valve SW-61 and bolting.

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8. Test Conducted: Hydrostalic [-] Pneumatic [-] Nominal Operating Pressure [X] Exempt [-]

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

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Sheet 2 of 2.

 Remarks: See WO 1927047 lumover package 	9.	Remarks:	See WO	1927047	lumover	package
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Applicable Manuf	acturer's Data Reports to be attached

CERTIFICAT	E OF COMPLIANCE			
I certify that the statements made in the report are correct and	this conforms to the requirem	ents of the ASME Code. Section XI.		
Type Code Symbol Stamp	N/A			
Certificate of Authorization No.	N/A			
	ENGINEER	Dale 1/8/2014		
Owner or	Owner's Designee, Title			
CERTIFICATE OF	INSERVICE INSPECTION			
•				
I, the undersigned, holding a valid commission issued by th	e National Board of Boiler a	nd Pressure Vessel Inspectors and the		
State or Province of and e	employed by <u>HSBCT</u> of	HARTFORD, CONNECTICUT have		
inspected the components described in this Owner's Repo	rt during the period <u>2/4/201</u>	to 1/8/2014 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 em	ployer makes any warranty,	expressed or implied, concerning the		
examinations and corrective measures described in this O	wner's Report. Furthermore,	neither the inspector nor his employer		
shalt be liable in any manner for any personal injury or pro	perty damage or a loss of a	any kind arising from or connected with		
this inspection.				
ANOTA CA DE				
HOSTAVA BIOWU	Commissions National Board, Stat	NB 13930 SC 264 ANII e, Province, and Endorsements		
Date: <u>1/8/2014</u>	·	•		
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Valve

Slud

Stud

APPENDIX II MANDATORY

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Form NIS 2

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

As Required by	the Provisions of the A	ASME Code Section X
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1.	Owner	DUKE-ENERGY	/-PROGRESS, IN Name	<u>4C</u>	1	Date:		1/8/2014	
	<u>526 S. (</u>	Church Street, Charl Address	olte, NC 28201		:	Sheet:	1	of2	
2.	Piani _	H.B.ROBINSON Name	<u> </u>	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>				2	
	<u>3581 W</u>	EST Entrance RD; I Address	HARTSVILLE, SC	29550		EC#:92434 WR/WO:19 Rep	27045	EE:N/A CR:N/A ion PO No;Job No;(
3.		enformed by <u>PROGI</u>	Name			Authonzatio	Symbol Sta on No.: Date:		
4.		Address					4060		
		pplicable Constructi	,	Edition:	1987	Addenda			a
	(b) Ap	plicable Edition of S	ection XI Used fo	or Repair/Repla	cement Ac	tivily: <u>2007</u>	Code Cas		
6.	Identifi	cation of Component	s Repaired or Re	placed and Re	placement	Componer	nts		
Name of Compone	inl ·	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other Identificat	ion	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve		Crane	N/A	N/A	SW-54		1971	Removed	Ņ

Description of Work: <u>Replace valve SW-54 and bolling</u>.

Argo Turbo

Nova Machine

Service

Ebasco

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [X] Exempt [-]

271660-01-04

N/A

N/A

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

N/A

N/A

N/A

SW-54

SW-54

SW-54

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13-027

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Sheet 2 of 2.

9. Remarks: See WO 1927045 turnover package

Applicable Manufacturer's Data Re	eports t	o be attached
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CERTIFICATE OF CO	
I certify that the statements made in the report are correct and this con-	irms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp	N/A
Certificate of Authorization No	N/A
Signed MWBh ISI ENGIN	ER Dale 1/8/2014
Owner or Owner	Designee, Tille
CERTIFICATE OF INSERV	
I, the undersigned, holding a valid commission issued by the Nation	al Board of Boiler and Pressure Vessel Inspectors and the
State or Province of <u>South Carolina</u> and employe	by HSBCT of HARTFORD, CONNECTICUT have
inspected the components described in this Owner's Report during	the period <u>1/28/2013</u> to <u>1/8/2014</u> and state that to the best
ol my knowledge and belief, the Owner has performed examination	and laken corrective measures described in this Owner's
Report in accordance with the requirements of the ASME Code, Se	tion XI.
By signing this certificate neither the inspector or his employer r	akes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's f	eport. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property d	mage or a loss of any kind ansing from or connected with
this inspection.	
ELMOSTAFA BIFOLIN Inspector's Signature	Commissions <u>NB 13930 SC 264 ANII</u> National Board, State, Province, and Endorsements
Date <u>1/8/2014</u>	

13-027

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and see a second

APPENDIX II MANDATORY

Form NIS 2

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

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As Required t	y the Provisions	of the ASME	Code	Section XI
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1.	Owner	DUKE-ENERG	Y-PROGRESS. IN Name	<u>IC</u>	Dale:		1/8/2014	
	<u>526 S. (</u>	Church Street, Char Address	lolle, NC 28201		Sheet:	1	of	2
2.	Plant_	H.B.ROBINSO Name	N		Unit:		2	
					EC#:8590		EE:N/A	
	<u>3581 M</u>	EST Entrance RD: Address	HARTSVILLE. SC	29550	WR/WO:2		CR:N/A	
						per organiza		,
3.	Work P	erformed by PROG		CAROLINAS IN		e Symbol Sta		
	7581 VA	EST ENTRANCE		50 20550	Authorizal	Ion No.: Date:	<u>N/A</u>	
	3.01.0	Address		<u>QUESODU</u>	2400 2001	0010.		
4.	Identifi	cation of System:	Class:2	CHEMICAL A	ND VOLUME CONT	ROL SYSTE	M 2060)
5.	(a) A	pplicable Construct	ion Code <u>: B31,1</u>		1967 Addend confication: <u>CPL-HE</u>		Code Case <u>N/A</u> 048	•
	(b) Ap	oplicable Edillon of S	Section XI Used fo		cement Activity: 200		8 Addenda	
6.	Identifi	cation of Componer	ts Repaired or Re	placed and Re	placement Compone	ents		
Name of Compone	ent	Name of Manulacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected. Removed, or Installed	ASME Code Stamp (Yes or No)

Valve Crane Valve N/A N/A CVC-381 1971 Removed N BO292 N/A CVC-381 2013 Valve Flowserve Installed N NA N/A 1971 Pipe Ebasco 3-CH-151R-9 Removed N N/A Pipe **DuBose National** NA 3-CH-151R-9 2013 Installed N Elbow Ebasco N/A N/A 3-CH-151R-9 1971 Removed N N/A 2013 Elbow **DuBose National** N/A 3-CH-151R-9 Installed Ν

7. Description of Work: Replace Valve CVC-381 and Piping

8. Test Conducted: Hydrostatic [] Pneumatic]] Nominal Operating Pressure [X] Exempt []

Other (VT-2) Pressure (N/A) psig Test Temp. (N/A) *F

13-028

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Sheet 2 of 2

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9. Remarks: See WO 2065933 lumover package

Applicable Manufacturer's Data Reports to be atta	hed
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CERTIFICATE	F 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
	GINEER Date 1/8/2014
Owrier of Ox	mer's Designee, Tille
	ERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the h	lational Board of Boiler and Pressure Vessel Inspectors and the
State or Province of <u>South Carolina</u> and em	sloyed by <u>HSBCT</u> of <u>HARTFORD</u> , <u>CONNECTICUT</u> have
inspected the components described in this Owner's Report d	uring the period $\underline{1/30/2013}$ to $\underline{1/8/2014}$ and state that to the best
of my knowledge and belief, the Owner has performed examin	ations and taken corrective measures described in this Owner's
Report in accordance with the requirements of the ASME Code	e, Section XI.
By signing this certificate neither the Inspector or his emplo	ver makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Own	er's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or prope	ty damage or a loss of any kind arising from or connected with
this inspection.	
EtHosTAFA ElKowMu Inspector's Signature	Commissions <u>NB 13930 SC 264 ANII</u> National Board, State, Province, and Endorsements
Date. <u>1/8/2014</u>	

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APPENDIX II MANDATORY

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 DUKE-ENERGY-PROGRESS. INC Name	Date	10/28/2013
	526 S. Church Street, Charlotte, NC 28201 Address	Sheet:1	2
2.	Piant H.B.ROBINSON Name	Unit:	2
		EC#N/A	EE:N/A
	3581 WEST Entrance RD: HARTSVILLE, SC 29550	WR/WO:2258587	CR:N/A
	Address	Repair Organizatio	n PO No; Job No; Bic.
3.	Work Performed by PROGRESS ENERGY CAROLINAS, INC	Type Code Symbol Star	
	Name 3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550	Authorization No.:	<u>N/A</u>
	Address	Expravon Date:	<u>N(A</u>
4.	Identification of Systems_CIBSS:1CHEMICAL AND VOI	UME CONTROL SYSTEM	2060
5.	(a) Applicable Construction Code: <u>8 31.1</u> Edition <u>: 1967</u> Design Specificatio		Code Case <u>:N/A</u>

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2007 Edition 2008 Addenda Code Case: <u>NA</u>

Nams of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Conected, Removed, or Installed	ASME Codé Stamp (Yes or No)
Bonnet Studs	Westinghouse	N/A	N/A	CVC-3128	1979	Removed	N
Bonnet Studs	Mackson	NA	NA	CVC-3128	2013	Installed	N
Bonnet Nuts	Westinghouse	NA	NA	CVC-3128	1979	Removed	N
Bonnet Nuta	Mackson	N/A	N/A	CVC-3128	2013	Installed	N
			1	T			

6. Identification of Components Repaired or Replaced and Replacement Components

7. Description of Werk: <u>Reptaced Rody to Bonnet Bolling</u>

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [-]

Other (MT-1) Pressure (N/A) psig Test Temp. [N/A] °F

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Sheel 2 of 2.

9.

Remarks: <u>See WR 2258587 tumover package.</u> Applicable Manufacturer's Data Reports to be atlached

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 M. W. Ban	ISI ENGINEER	Date 10/19/2013				
Ov	wher or Owner's Designee, Title					

CERTIFICATE OF INSERVICE INSPECTION

), the understaned, holding a valid commission issued by the National Board of Bolter and Pressure Vesse) inspectors and the Sizie or Province of South Carolina and employed by HSBCT of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 7/25/2013 to 10/19/2013 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 notifier 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 menner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

EMOSTINA EXOUM

Commissions <u>NB 13930 SC 264 ANII</u> National Board, Stato, Province, and Endorsements

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Date:<u>10/19/2013</u>

13-029

Page 121 of 195

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APPENDIX II MANDATORY

Form NIS 2

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		FORM N	S-2 OWNER'S R	EPORT FOR	REPAIR/F	REPLACEM	IENT ACTIV	πγ	
		ر الارز بردان المراجع	As Required by the	e Provisions o	f the ASM	E Code Se	clion XI		
1.	Owner	DUKE-ENERGY	<u>-PROGRESS, IN</u> Name	C		Date:		10/30/2013	
	<u>526 S. C</u>	hurch Street, Charl Address	olle, NC 28201			Sheel:	1	of 2	·
2.	Plant	H.B.ROBINSON Name	<u>.</u>					2	
	<u>3581 W</u>	EST Entrance RD: H Address	IARTSVILLE, SC	29550			158621 alr Organizati	EE:N/A CR:N/A ion PO No;Job No;	
3.		erformed by <u>PROGF</u> EST ENTRANCE R Addræss	Name			Authorizatic	Symbol Star on No.: Date:	mp:N/A N/A N/A	
4.	Identific	ation of System: <u>C</u>	lass:1	CHEMICAL A	ND VOLU	MECONTR	IOL SYSTEM	<u>4 2060</u>	
5.	(a) A	pplicable Construction	on Code <u>: B 31,1</u>	Edition; Design Spe	1967 cification:		<u>:N/A</u> 1618 SH 55E	Code Case <u>:N/A</u>	
	(ь) Ар	plicable Edition of S	ection XI Used for	Repair/Repla	cement A	clivity: <u>2007</u>	Edition 200 Code Cas		
6.	Identific	alion of Component	s Repaired or Rep	laced and Re	placemen	l Camponer	nis		
Name of Compone	nt .	Name of Manufacturer	Manufacturer Serial No.	Nationa) Board No.	Olher Identifica	lion	Year Bullt	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)

7. Description of Work: Restored Hanger CPL-143-T settings to design condition

CPL-143-T

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [-]

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

N/A

2-CH-15B

1971

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Sheet 2 of 2.

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 Remarks: <u>See WO 20586</u> 	21 lurnover package
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;.` ;. Applicable Manufacturer's Data Reports to be attached

CERTIFI	CATE 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 -1 Kon A Ch	ISI ENGINEER Date_10/30/2013
Úwr	er or Owner's Designee, Tille
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 South Carolina #	nd employed by <u>HSBCT</u> of <u>HARTFORD</u> , <u>CONNECTICUT</u> have
inspected the components described in this Owner's F	teport during the period $\underline{10/30/2013}$ to $\underline{10/30/2013}$ and state that to the
best of my knowledge and belief, the Owner has per	ormed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements o	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 th	is Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury o	r property damage or a loss of any kind arising from or connected with
this inspection.	
ENOTHFA BLOWN	Commissions NB 13930 SC 264 ANII
Inspector's Signature	National Board, State, Province, and Endorsements
Date:10/30/2013	· · · · · · · · · · · · · · · · · · ·
Data. <u>19/3#2013</u>	

13-030

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APPENDIX II MANDATORY

Form NIS 2

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

As Required by the Provisions of the		Code	Section	X
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1.	Owner	DUKE-ENERG	/-PROGRESS, IN Name	<u>IC</u>	Date			10/28/2013	
	<u>526 S. C</u>	hurch Street, Charl Address	olle, NC 28201	<u>.</u>	Shee	l: <u> </u>		_ of	2
2.	Plant	H.B.ROBINSON Name	<u></u>		Unit:			_2	
	<u>3581 W</u>	EST Entrance RD; I Address	HARTSVILLE, SC	29550		N/A NO.200689 Repair Or		EE:N/A CR:N/A In PO No;Job No	
i .		erformed by <u>PROGI</u> EST ENTRANCE R Address	Name		Auth	Code Symt prization No ration Date:		<u>N/A</u>	
I.	Identific	ation of System:	lass:2	RHR System	2045		_		
i.	(a) A _l	pplicable Constructi	on Code <u>; 831.1</u>		<u>1967</u> Ad cification: <u>N/</u>	ldenda <u>;N/A</u> A	(Code Case <u>N/A</u>	
	(b) Ap _i	plicable Edition of S	ection XI Used fo	r Repair/Repla	cement Activity		on 2008 le Case		
5	Identific	ation of Component	s Repaired or Re	placed and Re	placement Con	ponents			
Name of Componi		Name of Manufacturer	Manulacturer Serial No.	National Board No.	Other Identification		ear All	Corrected, Removed, or Installed	ASME Code Stamp

Name of Component	Name of Manufacturer	Manulacturer Serial No.	National Board No.	Other Identification	Year Buili	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Casing Stud	Maintenance	N/A	N/A	RHR-PMP-8	1971	Removed	N
Casing Stud	Mackson	N/A	N/A	RHR-PMP-B	1992	Replaced	N

7. Description of Work: <u>Replaced Casing Stud on RHR-PMP-B</u>

8. Test Conducted: Hydrostalic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt (X)

Other [] Pressure [] psig Test Temp. [] °F

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Sheet 2 of 2,

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9. Remarks: See WO 2006898 turnover package

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Applicable Manufacturer's Data Reports I	lo be allached
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CERTIF	TCATE OF COMPLIANCE
I certify that the statements made in the report are correct	I and this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp	N/A
Certificate pLAsthonizationshio	N/A
signed I have M Clime	ISI ENGINEER Date 10/23/2013
Owr	ner of Owner's Designee, Tille
CERTIFICATE	E OF INSERVICE INSPECTION
). the undersigned, holding a valid commission issued	by the National Board of Boiler and Pressure Vessel Inspectors and the
State or Province of <u>South Carolina</u>	and employed by <u>HSBCT</u> of <u>HARTFORD</u> , <u>CONNECTICUT</u> have
inspacled the components described in this Owner's	Report during the period $\underline{9/27/2013}$ to $\underline{10/23/2013}$ and state that to the
best of my knowledge and belief, the Owner has per	normed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of	of the ASME Code, Section XI.
By signing this certificate neither the Inspector or his	s employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in th	his Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury of	or property damage or a loss of any kind arising from or connected with
this inspection.	
ELMOSTAFA RIGUM	
Inspector's Signature	Commissions NB 13930 SC 264 ANIt National Board, State, Province, and Endorsements
Date:10/23/2013	

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APPENDIX II MANDATORY

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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 <u>DUKE-ENERGY-PROGRESS. INC</u> Name	Date:	10/28/2013
	526 S. Church Street, Charlotte, NC 28201 Address	Sheet:1	of 2
2.	Piant H.B.ROBINSON	Unit:	2
	3581 WEST Entrance RD: HARTSVILLE, SC 29550 Address	EC#:N/A WR/WO:1842290 01 Repair Organi;	EE:N/A CR:N/A zation PO No:Job No;etc.
3.	Work Performed by <u>PROGRESS ENERGY CAROLINAS, INC</u> Name <u>3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550</u> Address	Type Code Symbol S Authorization No.: Expiration Date	N/A
4.	Identification of System: <u>Class:2</u> Safety Injection	2080	
5	(a) Applicable Construction Code: <u>B31.1</u> Edition: <u>1967</u> Design Specificatio	Addenda <u>:N/A</u> n: 5379-01748	Code Case: <u>N/A</u>

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2007 Edition 2008 Addenda Code Case: N/A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manulacturer Serial No.	National Board No.	Other Identification	Year Buill	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
SI-865A	Anchor/Darling	N/A	N/A	Valve Discs	1971	Replaced	'N
SI-865A	Flowserve	182	N/A	Valve Discs	2011	Replacement	N
		1			_		
•							

7. Description of Work: Replaced valve discs

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [X]

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

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Remarks: See WO 1842290 01 turnover package

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i ceniry that the statements made in the repor	n are correct and this conforms to the requirements	of the ASME Code, Section XI.
Type Code Symbol Slamp	N/A	
Certificate of Authorization No.	N/A	
Signed <u>- Laure LIC</u>	ISI ENGINEER	Date 10/24/2013
	Owner or Owner's Designee, Title	
CE	RTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commiss	sion issued by the National Board of Boiler and P	ressure Vessel Inspectors and th
State or Province of <u>South Carolina</u>	and employed by <u>HSBCT</u> of <u>HA</u>	RTFORD, CONNECTICUT has
inspected the components described in this	is Owner's Report during the period 10/23/2013 (o 10/24/2013 and state that to #
best of my knowledge and belief, the Ow	mer has performed examinations and taken corr	eclive measures described in th
Owner's Report in accordance with the requ	uirements of the ASME Code, Section XI.	
By signing this certificate neither the Insp	ector or his employer makes any warranty, exp	ressed or implied, concerning li
examinations and corrective measures des	scribed in this Owner's Report. Furthermore, neil	her the Inspector nor his employ
shall be liable in any manner for any perso	onal injury or property damage or a loss of any k	ind arising from or connected w
this inspection.		-
Inspector's Signature	Commissions	NB 13930 SC 264 ANII
inspeciors algnature	National Board, State, Pr	ovince, and Endorsements
Dale: 10/24/2013		
Date:10/24/2013		

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APPENDIX II MANDATORY

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner <u>DUKE-ENERGY-PROGRESS, INC</u> Name	Date:	10/28/2013
	526 S. Church Street, Charlotte, NC 28201 Address	Sheet:1	_ of 2
2.	PlantH.B.ROBINSON Name	Unit:	2
		EC#:N/A	EE:N/A
	3581 WEST Entrance RD; HARTSVILLE, SC 29550	WRWO.2049189 12	CR:N/A
	Address	Repair Organizatio	n PO No:Job No;elc.
3.	Work Performed by PROGRESS ENERGY CAROLINAS. INC	Type Code Symbol Stam	
		Authorization No.:	
	3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550 Address	Expiration Date:	N/A
4.	Identification of System: Class: 2 RESIDUAL HEAT REA	OVAL SYSTEM	2045
5 .	(a) Applicable Construction Code: <u>B31.1</u> Edition: <u>1967</u> Design Specification		Code Case <u>;N/A</u>
	(b) Applicable Edition of Section XI Used for Repair/Replacement /	Activity: <u>2007 Edition 2008</u> Code Case	
6.	Identification of Components Repaired or Replaced and Replaceme	nt Components	
1		Sector Contractor Contractor Contractor	

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Olher Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
RHR-7598	Crane	N/A	N/A	Bushing to Bonnet Weld	1971	Removed	N.
RHR-759B	Maintenance	N/A	N/A	Bushing to Bonnel Weld	2013	Corrected	N
		_	_				

7. Description of Work: Tack welded Stem Hole Bushing to Valve Bonnet

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [X]

Other [-] Pressure (N/A) psig Test Temp. (N/A) "F

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Sheet 2 of 2.

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9. Remarks: <u>See WO 2049189 12 jurnover package</u> Applicable Manufactu	ver's Dala Reports to be alla	ched	
CERTIFICATE	OF COMPLIANCE		
I certify that the statements made in the report are correct and the	his conforms to the requirem	ents of the ASME Code, Section XI.	
Type Code Symbol Slamp	N/A		
Certificate of Authorization No	N/A	, , , , , , , , , , , , , , , , , , ,	
signedisi	ENGINEER Owner's Designee, Tille	Date 10/24/2013	
	Const a Deadusa' Litts		
CERTIFICATE OF I	NSERVICE INSPECTION		
I, the undersigned, holding a valid commission issued by the	National Board of Boilor a	od Brassura Vacsa) locacion and il	h a
State or Province of <u>South Carolina</u> and e			
inspected the components described in this Owner's Report	· · · · · · · · · · · · · · · · · · ·		
best of my knowledge and belief, the Owner has performe			
Owner's Report in accordance with the requirements of the A			
·····			
By signing this certificate neither the Inspector or his empl	loyer makes any warranty,	expressed or implied, concerning t	he
examinations and corrective measures described in this Ow	ner's Report. Furthermore,	neither the inspector nor his employ	/er
shall be liable in any manner for any personal injury or prop	perly damage or a loss of a	iny kind arising from or connected w	ith
this inspection.			
RHOSTAGA ANDUN	Commissions	MB 13030 CC 364 ANH	
Inspector's Signature		NB 13930 SC 264 ANII e, Province, and Endorsements	
Dela:10/2//2013			
Dale: <u>10/24/2013</u>			
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APPENDIX II MANDATORY

Form NIS 2

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

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As	Required	by the	Provisions	of the	ASME	Code	Section XI
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					·			
1.	Owner	DUKE-ENER(SY-PROGRESS, I Name	NC	Date:		10/28/2013	
	<u>526 S.</u>	Church Street, Cha Address			Sheet:	<u> </u>	of	2
2.	Plant _	H.B.ROBINSC Name	<u></u>		Unit;			
;	<u>3581 M</u>	/EST Entrance RD Address		<u>C 29550</u>		2047543 01	EE;N/A CR:5179 Mon PO No;Job No	976
3.		Performed by <u>PROX</u> VEST ENTRANCE Address	Name RD: HARTSVILLE		Authoriza	de Symbol St ation No.: n Date ·	amp:N/A N/A N/A	
4, 5,		calion of System:			ER SYSTEM	<u>3065</u> da:N/A	Code Case N/A	N.
6.		•		or Repair/Rep	pecification: <u>CPL-H</u> lacement Activity <u>20</u> Replacement Compor	Code Ca		
Name of Compone		Name of Manufacturer	Manulacturer Serial No.	National Board No	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Slamp (Yes or No)
FW-5A	-6009	Ebasco	N/A	N/A	215\FW-5A-6009	1971	Corrected	N

7. Description of Work: Adjusted and re-positioned spring support

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [-]

Other (VT-3) Pressure (N/A) psig Test Temp (N/A) *F

13-034

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Sheet 2 of 2.

). Remarks: See WO 2047543 01 lumove. Applicat	<u>er package</u> ble Manulaciurer's Dala Reports lo	be allached
(CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are	correct and this conforms to the re	equirements of the ASME Code, Section XI.
Type Code Symbol Stamp	N/A	
Certificate of Authorization No.	<u>N/A</u>	
signed : Lam FI Cle		Date 10/28/2013
	Owner or Owner's Designee, Ti	ile
CERTIF	FICATE OF INSERVICE INSPEC	TION
I, lhe undersigned, holding a valid commission i	issued by the National Board of E	Boiler and Pressure Vessel Inspectors and the
State or Province of South Carolina	and employed by <u>HSB(</u>	CT of HARTFORD. CONNECTICUT have
inspected the components described in this Ow	wher's Report during the period 1	0/27/2013 to 10/28/2013 and state that to the
best of my knowledge and belief, the Owner h	has performed examinations and	I taken corrective measures described in this
Owner's Report in accordance with the requiren	nents of the ASME Code, Section	n XI.
By signing this certificate neither the Inspector	r or his employer makes any wa	arranly, expressed or implied, concerning the
examinations and corrective measures describe	ed in this Owner's Report. Furthe	ermore, neither the inspector nor his employed
shall be liable in any manner for any personal i	injury or property damage or a lo	oss of any kind arising from or connected with
this inspection.		
CTOSTRA ENCOUL	Commission National Boar	rd, State, Province, and Endorsements
Date:10/28/2013		· .

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APPENDIX II MANDATORY

Form NIS 2

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

As Required by the	Provisions of the ASME Code Section XI

Name of	Name of	Manufacturer	National	Other		Year	Corrected.	ASME
6.	Identification of Compo	ments Repaired or R	eplaced and Re	placeme	nt Componer	nis		
	(b) Applicable Edition	of Section XI Used for	or Repair/Repla	icement /	Activity: <u>2007</u>	<u>Edition 200</u> Code Cas		
5.	(a) Applicable Const	ruction Code <u>:B31,1</u>			Addenda n: <u>5379-02</u>		Code Case <u>. N/A</u> .	
4.	Identification of System	n: <u>Class:2</u>	STEAM GEN	ERATOR	SYSTEM		5	
	3581 WEST ENTRANC Addro		<u>, SC 29550</u>		Expiration	Dale:	N/A	
		Name			Aulhorizati	on No.:	N/A	· · · · · · · · · · · · · · · · · · ·
3.	Work Performed by PR	OGRESS ENERGY	CAROLINAS, I	NC	Type Code	Symbol Sta	mp: N/A	
	SSBT WEST Entrance		~ 43444				ion PO No: Job No:e	lc
	3581 WEST Entrance		~ 20550		EC#:N/A WR/WO:20		EE:N/A CR:N/A	
2 .	Plant H.B.ROBIN Name				Unit:		2	
	526 S. Church Street, C Addre				Sheet:	<u> </u>	of2	
1.	Owner <u>DUKE-ENE</u>	RGY-PROGRESS, I Name	<u>NC</u>		Dale	·	10/28/2013	

Name of Component	Name of Manufacturer	Manulacturer Serial No.	National Board No.	Other Identification	Year Buill	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
RSV-C	Ankor-Holth	N/A	NA	Snubber-RSV-C	1971	Removed	N
RSV-C	Enertech	Ņ/A	N/A	Snubber-RSV-C	2005	Installed	N

7. Description of Work: <u>Replaced fluid reservior</u>

. .. .

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [-]

Other [VT-3] Pressure [-] psig Test Temp. [-] °F

13-035

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Sheet 2 of 2.

 Remarks: <u>See WO2064234 lurnover package</u>
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Applicable Manufacturer's Data Reports to be attached

CERTIFIC	ATE OF COMPLIANCE	
I certify that the statements made in the report are correct a	nd this conforms to the requi	irements of the ASME Code, Section XI.
Type Code Symbol Slamp	N/A	
Certificate of Authorization No.	N/A	
signed - Zam HClim	ISI ENGINEER	Date 10/20/13
Owner	r or Owner's Designee, Tille	
CERTIFICATE C	DF INSERVICE INSPECTION	N
I, the undersigned, holding a valid commission issued by	the National Board of Boil	er and Pressure Vessel Inspectors and the
State or Province of <u>South Carolina</u> and	d employed by <u>HSBCT</u>	of HARTFORD. CONNECTICUT have
inspected the components described in this Owner's Re	port during the period 10/2	7/2013 to and slate that to the best of my
knowledge and belief, the Owner has performed exam	ninations and taken corre	clive measures described in this Owner's
Report in accordance with the requirements of the ASME	E Code, Section XI,	
By signing this certificate neither the Inspector or his e		
examinations and corrective measures described in this	Owner's Report. Furtherm	ore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or p	property damage or a loss	of any kind arising from or connected with
this inspection.		
A HOSTHAA ALGUM	Commissions	NB 13930 SC 264 ANN
Inspector's Signature		State, Province, and Endorsements
Date:		<u>.</u>

13-035

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N/A

APPENDIX II MANDATORY

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	DUKE-ENERG)	(-PROGRESS, IN Name	<u>c</u>	Date		10/28/2013	
	<u>526 S. (</u>	Church Street, Charl Address	olle, NC 28201		Shee	Ľ1		<u>-</u>
2.	Plant_	H.B.ROBINSON	1		Unit:		2	
	<u>3581 W</u>	EST Enirance RD: I Address	HARTSVILLE, SC	29550		N/A NO:558985/13305 Repair Organizal	EE:N/A 122 CR:N/A ion PO No;Job No;e	
3.		erformed by <u>PROGF</u> IEST ENTRANCE R	Name		Authu	Code Symbol Sta prization No.: ation Date:	N/A	
	3361 1	Address	U. HARISVILLE,	<u> </u>	Exha			
4.	Identific	cation of System: <u>C</u>	lass:2	MAIN STEAM	SYSTEM	3020		
5.	(a) A	pplicable Constructi	on Code <u>; 831.1</u>		967 Ad cification: 53	denda <u>:N/A</u> 7 <u>9-6432</u>	Code Case <u>:N/A</u>	
	(b) Ap	pplicable Edition of S	ection XI Used for	Repair/Repla	cement Activity	: <u>2007 Edition 200</u> Code Cas		
6.	Identific	cation of Component	s Repaired or Rep	laced and Re	placement Com	ponents		
 Name of Componen	nt	Name of Manufacturer	Manulaclurer Serlal No	National Board No	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)

7. Description of Work: <u>Valve rebuild including disc and bolling replacement and tack welding bushing to disc.</u>

N/A

N/A

N/A

N/A

NA

N/A

MS-261B

MS-261B

MS-261B

MS-261B

MS-261B

MS-261B

1971

1986

1971

1996

1971

2008

.

Removed

Installed

Removed

Installed

Removed

Installed

8. Test Conducted. Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [X]

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

13-036

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Sheet 2 of 2.

9. Remarks: <u>See W0558985 lurnover package. Bushing to Disc weld installed per W0 13305122.</u> Applicable Manufacturer's Data Reports to be attached

- CE	RTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are co	orrect and this conforms to the requirements o	f the ASME Code, Section XI.
Type Code Symbol Stamp	N/A	
Certificate of Authorization No.	N/A	·
Signed -1 Koun Hiller	ISI ENGINEER	Date 10/27/2013
[Owner or Owner's Dasignee. Title	
CERTIFIC	CATE OF INSERVICE INSPECTION	·
I, the undersigned, holding a valid commission iss	sued by the National Board of Boiler and Pr	essure Vessel Inspectors and the
State or Province of South Carolina		•
Inspected the components described in this Own		
best of my knowledge and belief, the Owner has	· · · · · · · · · · · · · · · · · · ·	
Owner's Report in accordance with the requireme	ents of the ASME Code, Section XI.	
By signing this certificate neither the inspector of	or his employer makes any warraniy, expr	essed or implied, concerning the
examinations and corrective measures described	I in this Owner's Report. Furthermore, neith	er the inspector nor his employer
shall be liable in any manner for any personal inj	jury or property damage or a loss of any kir	nd arising from or connected with
this inspection.		
A HOSTAFA BLOOM	• • • •	
Inspector's Signature	Commissions National Board, State, Pro	NB 13930 SC 264 ANII vince, and Endorsements
Dale:10/27/2013		
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APPENDIX II MANDATORY

Form NIS 2

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

As Required by	the Provisions	of the ASME	Code	Section	XI
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1.	Owner <u>DUKE-ENERGY-PROGRESS, INC</u> Name	Date:	10/28/2013
	526 S. Church Street, Charlotte, NC 28201 Address	Sheet:1	a!2
2.	Plant <u>H.B.ROBINSON</u> Name	Unit:	2
	3581 WEST Entrance RD, HARTSVILLE, SC 29550 Address	EC#;N/A WR/WO:558815.01 Repair Organiz	EE:N/A CR:N/A ation PO No;Job No;etc
3.	Wark Performed by <u>PROGRESS ENERGY CAROLINAS, INC</u> Name <u>3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550</u> Address	Type Code Symbol S Authorization No.: Expiration Date:	N/A
4.	Identification of System: Class:1 CHEMICAL AND VO	LUME CONTROL SYST	EM 2060
5.	(a) Applicable Construction Code <u>, B 31.1</u> Edition <u>; 1967</u> Design Specificati	Addenda <u>:N/A</u> ion: <u>CH-4-SN-25</u>	Code Case:N/A

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2007 Edition 2008 Addenda Code Case: N/A

6,	Identification o	f Components	Repaired or Re	placed and F	Replacement	Components
-		and the second se				

Name of Camponent	Name of Manufacturer	Manulacturer Serial No	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Snubber 25	Grinnell	30085	N/A	Snubber 25	1992	Removed	N
Snubber 25	Anvil	37964	N/A	Snubber 25	2010	Installed	N
		<u> </u>		<u> </u>			
		_					
	_						_

7. Description of Work: <u>Replaced snubber with new unit</u>

. . .

8. Test Conducted: Hydrostalic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [-]

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

13-037

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Sheet 2 of 2.

9.	Remarks: See WO 558815 lumover package
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Applicable Manufacturer	- Date D	

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 Slamp
Certificate of Authorization NoN/A
Signed ISI ENGINEER Date 10/28/3
Owner or Owner's Designee, Title
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>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> CONNECTICUT have
inspected the components described in this Owner's Report during the period 10/24/2013 to 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.
AMOSTIFA SLOW Commissions NB 13930 SC 264 ANII Inspector's Signature National Board, State, Province, and Endorsements
Date:
:

13-037

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APPENDIX II MANDATORY

Form NIS 2

FORM NIS-2	OWNER'S REPORT	FOR REPAIR/REPLA	CEMENT ACTIVITY
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As Required by the Provisions of the ASME Code Section XI

.	Owner	DUKE-ENERGY-PROGRESS, IN Name	0	Qate:	10/28/2013
	526 S. C	hurch Street, Charlotte, NC 28201 Address		Sheel:1	q5
	Plani			Unit:	2
	•			EC#N/A	EE:N/A
	3581 WE	ST Entrance RD; HARTSVILLE, SC	29550_	WRWO:2083425 01	CR:N/A
		Address			zallon PO No; Job No;etc.
	Work Pe	normed by <u>PROGRESS ENERGY C</u>	AROLINAS, INC	Type Code Symbol 8	
		Name		Authorization No.:	
	<u>3581 WE</u>	ST ENTRANCE RD: HARTSVILLE. Address	<u>SC 29550</u>	Expiration Date:	<u>N/A</u>
.	Identifica	tion of System: <u>Class:2</u>	RESIDUAL HEAT REM	OVAL SYSTEM	2045
5.	(a) Ap	plicable Construction Code:_ <u>831.1</u>	Edilion <u>: 1967</u> Design Specification	Addenda <u>; N/A</u> : <u>728-251-51</u>	Code Case <u>:N/A</u>

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: <u>2007, Edition 2008 Addenda</u> Code Case: <u>N/A</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturor	Manufacturer Sertst No.	National Board No.	Other Identification	Yesr Buit	Connected, Removed, or Installed	ASME Code Stamp (Yes or No)
Mechanical Seal Cartridge	Ingersol Rand	NA	NA	RHR-PMP-8	1971	Removed	N
Mechanical Seal Cartridge	Flowserve	N/A	N/A	RHR-PMP-8	2010	Installed	N
Gland sluds	Ingersoll Rand	NA	N/A	RHR-PMP-8	1971	Removed	N
Gland studs	Curtiss Wright	N/A	NVA	RHR-PMP-B	2011	Installed	N
	1						

7. Description of Work: Replaced mechanical seal cartridge and gland studs.

8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [x] Exempt [-]

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

13-038

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Sheet 2 of 2.

9.

Remarks: <u>See WO 2083425 turnover package</u> Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE						
t 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>					
Cartificate of Authorization No	N/A					
signed Mulble	ISI ENGINEER	Dale 10/28/2013				
	Owner or Owner's Designee, Tille					

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Baiter and Pressure Vessei inspectors and tha and employed by HSBCT of HARTFORD. CONNECTICUT have State or Province of ______ South Carolina inspected the components described in this Owner's Report during the period 8/13/2013 to 10/28/2013 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 cartificate 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 fiable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this Inspection.

HNOSTAFA ELOUM

Commissions NB 13930 SC 264 ANII National Board, State, Province, and Endorsements

Date:10/28/2013

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APPENDIX II MANDATORY

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	DUKE-ENERG)	APROGRESS, IN Name	<u>C</u>	Date:		10/29/2013	
	<u>526.S.</u>	Church Sireet, Charl Address	otle, NC 28201		Sheet:	1	012	
2.	Plant				Unit:		_ 2	
		Name			EC#:8590	· ·	EE:N/A	
	3581 W	EST Entrance RD: 1	HARTSVILLE, SC	29550		098531	والمتحدث والمتحدث والمتحدث والمتحدث والتركي والمتحدث والمتحدث والمتحدث والمتحدث والمتحدث والمتحدث والمتحدث والم	
		Address					ion PO No;Jab No;e	itc.
3.	Work P	erformed by PROG	RESS ENERGY C	AROLINAS. II	C Type Code	Symbol Sla	mo: N/A	
			Name			ian No.:	N/A	
	<u>3581 W</u>	EST ENTRANCE R	D: HARTSVILLE,	<u>SC 29550</u>	Expiration	Dale:	N/A	
•		Address						
4.	Identific	cation of System: <u>C</u>	lass:2	SAFETY INJE	CTION SYSTEM	2080		
5.	(a) A	pplicable Constructi	on Code <u>; B31,1</u>		1967 Addend clication: 676258	a <u>: N/A</u>	Code Case <u>;N/A</u>	
;	(b) Ar	plicable Edilion of S	ection XI Used for	Repair/Repla	cement Activity: 200	7 Edition 200 Code Cas		
6.	Identifi	cation of Componen	s Repaired or Rep	placed and Re	placement Compone	ints		
Nam Com	e el ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Val	ive	Anchor Darling	N/A	N/A	S1-880B	1971	Removed	N

BO273 N/A SI-880B 2013 Valve Flowserve installed N N/A N/A Pipe Ebasco 6-SI-301R-31 1971 Ň Removed DuBose National N/A 6-SI-301R-31 N/A 2013 N Pipe installed

7. Description of Work: Replace valve and piping.

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8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [X] Exempt [-]

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

13-039

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Sheet 2 of 2

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9. Remarks: <u>See WO 2085930 turnov</u> Ap	ver package plicable Manufacturer's Data Reports to be a	sliached
	CERTIFICATE OF COMPLIANCE	
i certify that the statements made in the repo	nt are correct and this conforms to the requir	ements of the ASME Code, Section XI.
Type Code Symbol Stamp	N/A	
Certificate of Authorization No	N/A	the second s
Signed MWken	Owner or Owner's Designee, Title	Date 10/15/2013
C	ERTIFICATE OF INSERVICE INSPECTIO	N
1, the undersigned, holding a valid commis		
State or Province of South Carolina	and employed by HSBCT	of HARTFORD, CONNECTICUT have
inspected the components described in th	is Owner's Report during the period 10/15	5/2013 to 10/15/2013 and state that to the
best of my knowledge and belief, the Ow	vner has performed examinations and tak	en corrective measures described in this
Owner's Report in accordance with the rec	quirements of the ASME Code, Section XI.	
By signing this certificate neither the Insp	pector or his employer makes any warra	nty, expressed or implied, cancerning the
examinations and corrective measures de	scribed in this Owner's Report. Furthermo	re, neither the Inspector nor his employer
shall be liable in any manner for any pers	ional injury of property damage of a loss (of any kind arising from or connected with
this inspection.		;
EMOSTAFA EVKOULU Inspector's Signature	Commissions National Board, S	NB 13930 SC 264 ANII
Dale: <u>10/15/2013</u>		

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APPENDIX II MANDATORY

Form NIS 2

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

1	As Required by the Provisions of the ASME Code Section XI				
1.	Owner DUKE-ENERGY-PROGRESS, INC Name	Date:	10/29/2013		
	526 S. Church Sireel, Charlotle, NC 28201 Address	Sheet:1_	to	2	
2.	Ptant H.B.ROBINSON Name	Unit	2		
	3581 WEST Entrance RD: HARTSVILLE, SC 29550 Addreas	EC#:N/A WR/WO:2097318 Repair Org	EE:N/ 13 CR:N anization PO No;Job I	/A	
3.	Work Performed by PROGRESS ENERGY CAROLINAS, INC Name	Type Code Symb Authorization No.		A	
	<u>3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550</u> Address	Expiration Date:	<u>N</u>	Α	
4.	Identification of System: Class: 2 CHEMICAL AND VO	LUME CONTROL SI	rstem 20	60	
5.	(a) Applicable Construction Code <u>: 931.1</u> Edition <u>: 1967</u> Design Specificati		Code Case <u>:N</u>	A	
	(b) Applicable Edition of Section XI Used for Repair/Replacemen		n 2008 Addenda e Case: <u>N/A</u>		

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manulacturer Serial No,	National Board No	Other Identification	Year Built	Connected, Removed, or Installed	ASME Code Slamp (Yes or No)
CH-18-RG02	Ebasco	NA	N/A	CH-18A	1971	Removed	N
CH-18-RG02	Maintenance	N/A	N/A	CH-18A	2013	Installed	N
					_		

7. Description of Work: Removed and reinstalled support CH-18-RG02

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8. Test Conducted: Hydrostalic [-] Pneumatic [-] Norminal Operating Pressure [-] Exempt [-]

Other (VT-3) Pressure (N/A) psig Test Temp. [N/A] °F

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Sheet <u>2</u> of <u>2</u>

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). Remarks: <u>See WO 2097318 13 lumover dackade</u> Applicable Manufacturer's Data Reports to be attached					
CE	RTIFICATE OF COMPLIANCE				
I certify that the statements made in the report are co	prect and this conforms to the requi	rements of the ASME Code, Section XI.			
Type Code Symbol Slamp	N/A				
Certificate of Authorization No.	<u>N/A</u>				
Signed 1 Zou H Clea		Date 10/29/2013			
CERTIFICATE OF INSERVICE INSPECTION					
I, the undersigned, holding a valid commission iss	-	•			
State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>10/6/2013</u> to <u>10/29/2013</u> and state that to the					
best of my knowledge and bellef, the Owner has	• • • •				
Owner's Report in accordance with the requirement	•				
By signing this certificate neither the inspector o	or his employer makes any warra	mly, expressed or implied, concerning the			
examinations and corrective measures described	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 inj	ury or property damage or a loss	of any kind arising from or connected with			
this Inspection.					
ELHOSTAFA ELKOULI	Commissions	NB 13930 SC 264 ANII			
Inspector's Signature	National Board,	State, Province, and Endorsements			
Date:10/29/2013					
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APPENDIX II MANDATORY

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Form NIS 2

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

			As Required by I	he Provisions o	I the ASME Code	Section XI		
1.	Owner	DUKE-ENERG	<u>/-PROGRESS, IN</u> Name	<u>4C</u>	Date:		10/29/2013	
	<u>526 S. (</u>	Church Street, Char Address	otte, NC 28201	- <u>j</u> -	Sheel	1	of2	
2.	Plant_	H.B.ROBINSO	4					
	<u>3581 V</u>	/EST Entrance RD: Address	HARTSVILLE, SC	29550	EC#.N/A WR/WO R	13301615 01	EE:N/A CR.N/A Son PO No:Job No;e	IIC.
3.		Performed by <u>PROG</u> VEST ENTRANCE R Address	Name		Authoriz	de Symbol Sla alion No.: In Dale:	N/A	
4.		cation of System:	-					
5.	 (a) Applicable Construction Code: <u>B31.1</u> Edition: <u>1967</u> Addenda;<u>N/A</u> Code Case.<u>N/A</u> Design Specification: <u>728-012-10</u> (b) Applicable Edition of Section XI Used for Repair/Replacement Activity. <u>2007 Edition 2008 Addenda</u> Code Case: N/A 							
6.	Identifi	cation of Componen	Is Repaired or Re	placed and Re	placement Compo	nents		
Name of Compone	ni	Name of Manufacturer	Manufacturer Serial No.	National Board No,	Other Identification	Year Built	Corrected. Removed, or Instatled	ASME Code Siamp (Yes or No)
FE-110		Rosemaunt	N/A	N/A	Flow Element	1971	Removed	N

7. Description of Work: <u>Replaced flow element</u>

Rosemount

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [X] Exempt [-]

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

N/A

Flow Element

2013

Installed

13-041

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9. Remarks: See 13301615 turnover package. Applicable Manufacturer's 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				
Certificate of Authorization No N/A				
Signed ISI ENGINEER Date 10/29/2013 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>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> , <u>CONNECTICUT</u> have				
inspected the components described in this Owner's Report during the period 10/11/2013 to 10/29/2013 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.				
OND Commissions NB 13930 SC 264 ANII Inspector's Signature National Board, Stale, Province, and Endorsements				
Date: 10/29/2013				

13-041

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APPENDIX II MANDATORY

' Form NIS 2

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

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

1. Owne	DUKE-ENERG	Y-PROGRESS IN	<u>S</u>	Dale	: <u></u>	11/25/2013	
<u>526 S</u>	. Church Street, Cha Address			She	et:1	of	2
2. Plant	H.B.ROBINSO	<u>N</u>		Unit		2	
3581	WEST Entrance RD: Address	HARTSVILLE, SC	29550	EC# WR	:N/A WO:2258 592 01 Repair Organiza	EE.N/A CR.N/A tion PO No;Job No,	
	Performed by <u>PROG</u> WEST ENTRANCE I Address	Name		IluA	a Code Symbol Sta ionzalion No.* ration Date:	N/A	
4. Identi	fication of System:_(Class:1	CHEMICAL A	NO VOLUME (CONTROL SYSTE	M2060_	·
5. (a)	Applicable Construct	ion Code <u>B 31.1</u>		<u>1967</u> A ecification: <u>H</u>	ddenda <u>N/A</u> BR2-11058	Code Case <u>N/A</u>	
	Applicable Edition of \$				Code Ca	28 Addenda se: N/A	
6. Identi Name of Component	fication of Componer Name of Manufacturer	ts Repaired or Re Manulacturer Serial No.	placed and Re Nationat Board No.	other Identification	nponents Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Bonnet Studs	Westinghouse	N/A	N/A	CVC-312A	1993	Removed	N
Bonnet Studs	Mackson	N/A	N/A	CVC-312A	2013	Installed	N
Bonnet Nuts	Westinghouse	N/A	N/A	CVC-312A	1993	Removed	N
Bonnet Nuts	Mackson	N/A	N/A	CVC-312A	2013	Installed	N

7. Description of Work: <u>Replaced Body to Bonnet Bolling</u>

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [-]

Other [VT-1] Pressure [N/A] psig Test Temp. (N/A] °F

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Page 146 of 195

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Sheet _2_ of _2_

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	CERTIFICATE OF COMPLIANCE			
t certify that the statements made in the report ar	e correct and this conforms to the requirements of the ASME Code, Section XI			
Type Code Symbol Stamp	NA			
Certificate of Authorization No				
Signed Malle	ISI ENGINEER Date 10/29/2013 Owner or Owner's Designee, Title			
CERT	FICATE OF INSERVICE INSPECTION			
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>7/25/2013</u> to <u>10/29/2013</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.				
	or or his employer makes any warranty, expressed or implied, concerning th bed in this Owner's Report. Furthermore, naither the Inspector nor his employe			
shall be liable in any manner for any persona	injury or property damage or a loss of any kind arising from or connected will			
this inspection.				
A. MOSTAFA ELKOUL	Commissions <u>NB 13930 SC 264 ANII</u> National Board, State, Province, and Endorsements			
Date: 10/29/2013				

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APPENDIX II MANDATORY

Form NIS 2

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

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A5	Required by	y the Provisions	or the	ASME	Code	Section XI

1.	Owner	DUKE-ENERGY	PROGRESS, IN	<u>c</u>		Date:		10/30/2013	
			Name						
	<u>526 S. (</u>	Church Street, Charle Address	otte, NC 28201			Sheet:	1	of2	<u> </u>
2.	Planl	H.B.ROBINSON Name				Unit:		2	
						EC#:N/A		EE:N/A	
•.	<u>3581 W</u>	EST Entrance RD: H	HARTSVILLE, SC	29550			38715 01		
		Address	. •			Rep	air Organizat	ion PO Na;Job No;	eic.
3.	Work P	erformed by PROGE	RESS ENERGY C	AROLINAS, M	NC	Type Code	Symbol Sta	mp:N/A	
			Name			Authorizati	on No.:	N/A_	
	3581 W	EST ENTRANCE R	D: HARTSVILLE.	<u>SC 29550</u>		Expiration	Date:	N/A	
		Address							
		ation of Distance C				(C.T.C.)	7000		
4.	ldenum	ation of System:C	1355.2	WASTE DISP	USAL SI	SIEM	7060		
5.	(a) A	pplicable Construction	on Code <u>: B 31.1</u>			Addenda 1: <u>5379-04</u>		Code Case <u>:N/A</u>	
	(b) Ap	plicable Edition of S	ection XI Used for	Repair/Repla	cement /	Activity: <u>200</u> 7	Code Cas		
6.	Identific	alion of Component	s Repaired or Rep	placed and Re	placeme	nt Compane	nis		
Name of Compone	Ins	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Olher Identific	ation	Year Bulit	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Bonnet	Studs	Grinnell	N/A	N/A	WD-17	/87	1971	Removed	N
Bonnet	Studs	Nova	N/A	N/A	WD-17	/87	2013	Installed	N

7. Description of Work: <u>Replaced bonnet studs</u>

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8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt (X)

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

13-043

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Page 148 of 195

Sheet 2 of 2

9. Remarks: See WO 2038715 01 turnover package

Applicable Manufacturer's Data Reports to be attached

	CERTIFICATE OF COMPLIANCE					
I certify that the statements made in the report are correct and this c	onforms to the requirements of the ASME Code, Section XI.					
Type Code Symbol Stamp	N/A					
Certificate of Authorization No.	N/A					
signed - islend						
Owner of Own	ers Designee, Tille					
CERTIFICATE OF INSE						
I, the undersigned, holding a valid commission issued by the Na	tional Board of Boilar and Pressure Vessel Inspectors and the					
State or Province of <u>South Carolina</u> and empk	oyed by <u>HSBCT</u> of <u>HARTFORD</u> , <u>CONNECTICUT</u> have					
inspected the components described in this Owner's Report du	inspected the components described in this Owner's Report during the period 10/29/2013 to 10/29/2013 and state that to the					
best of my knowledge and belief, the Owner has performed ex	aminations and taken corrective measures described in this					
Owner's Report in accordance with the requirements of the ASM	E Code, Section XI.					
By signing this certificate neither the Inspector or his employe	r 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 ansing from or connected with					
this inspection.						
ENDSTAGA ENGUM	Commissions NB 13930 SC 264 ANII National Board, State, Province, and Endorsements					
Dale: <u>10/29/2013</u>						

13-043

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APPENDIX II MANDATORY

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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 DUKE-ENERGY-PROGRESS, INC Name	Dale:	10/30/2013
	526 S. Church Street, Charlotte, NC 28201 Address	Sheet:1	of 2
2.	Plant H.B.ROBINSON Name	Unit:	
	3581 WEST Entrance RD: HARTSVILLE, SC 29550	EC#:N/A WR/WO:2063276 05	EE:N/A CR:N/A
	Address	Repair Organizat	ion PO No; Job No;elc.
3.	Work Performed by <u>PROGRESS ENERGY CAROLINAS, INC</u> Name	Type Code Symbol Sta Authorization No.:	
	3581 WEST ENTRANCE RD; HARTSVILLE, SC 29550 Address	Expiration Date:	
4.	Identification of System: Class: REACTOR COOLANT	SYSTEM 200	5
5.	(a) Applicable Construction Code <u>: B31.1</u> Edition <u>: 1967</u> Design Specification	Addenda <u>: N/A</u> n: <u>CPL-XXXX-M-001</u>	Code Case <u>:N/A</u>
	(b) Applicable Edition of Section XI Used for Repair/Replacement	Activity: <u>2007 Edition 200</u> Code Cas	

~	Identification of Components Repaired or Replaced and Replacement Components
D .	Identification of Components Repaired of Replaced and Replacement Components
And a second sec	

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Idenjilicalion	Year Budi	Corrected. Removed, or Installed	ASME Code Stamp (Yes or No)
Studs	Maintenance	N/A	N/A	RC-94	2001	Removed	N
Studs	Mackson	N/A	N/A	RC-94	2013	Installed	N
Nuts	Maintenance	NA	N/A	RC-94	2001	Removed	N
Nuls	Mackson	N/A	N/A	RC-94	2013	Installed	Ň
				1			1

7. Description of Work: Replaced bolting

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [-]

Other (VT-1) Pressure [N/A] psig Test Temp. [N/A] °F

13-044

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Sheet 2 of 2.

8. Remarks: <u>See WO 2063276 turnover packa</u> Applicable M	anulaciurer's Oata Reports to be at	lached
CERT	TIFICATE OF COMPLIANCE	
I centify that the statements made in the report are corre	ect and this conforms to the requirer	ments of the ASME Code, Section XI.
Type Code Symbol Stamp	<u>N/A</u>	
Certificate of Authorization No		
	wher or Owner's Dasignee, Tille	Qate 10/30/2013
CERTIFICA	TE OF INSERVICE INSPECTION	
l, the undersigned, holding a valid commission issue	ed by the National Board of Boiler	and Pressure Vessel Inspectors and Ih
State or Province of <u>South Carolina</u>	_ and employed by <u>HSBCT</u>	of HARTFORD, CONNECTICUT hav
inspected the companents described in this Owner's	s Report during the period 10/14/	2013 to $10/30/2013$ and state that to th
best of my knowledge and belief, the Owner has p	performed examinations and take	n corrective measures described in this
Owner's Report in accordance with the requirements	s of the ASME Code, Section XI.	
By signing this certificate neither the Inspector or	his employer makes any warrant	y, expressed or implied, concerning th
examinations and corrective measures described in	h Ihis Owner's Report. Furthermore	e, neither the Inspector nor his employe
shall be liable in any manner for any personal injury	y or property damage or a loss of	any kind arising from or connected will
this Inspection.		
FLYDSTAFA EVOUL	Commissions	NP 12020 CC 254 ANH
Inspector's Signature		NB 13930 SC 264 ANII ste, Province, and Endorsements
Date: <u>10/30/2013</u>		

13-044

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APPENDIX II MANDATORY

Form NIS 2

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

As.	Reo	wined	bw	lhe	Provisions	of the	ASME	Code	Section XI
	1104		~,	1116	1.1041310112	y yr ura	1 Jointe	0000	OCCUPIT AL

1.	Owner	DUKE-ENERGY	-PROGRESS, IN Name		Date:		1/9/2014	
	<u>526 S. C</u>	Church Street, Charl Address	otte, NC 28201		Sheet:	1	0[2	
2.	Plant	H B.ROBINSON Name	L		Unit:		2	
					EC#:N/A		EE:N/A	
	3581 W	EST Entrance RO: I	HARTSVILLE, SC	29550		063273 01	CR.63523	31
	<u></u>	Address					ion PO No; Job No.e	
3.	Work P	erformed by PROGE	RESS ENERGY C	AROLINAS. IN	C Type Code	Symbol Sta		
			Name		Authorizati	on No.:	N/A	
	<u>3581 W</u>	EST ENTRANCE R Address	D: HARTSVILLE	<u>SC 29550</u>	Expiration	Dale:	N/A	
4.	Identific	ation of System:C	lass:2	CHEMICAL A	ND VOLUME CONTR	ROL SYSTEM	M 206D	s
5.	(a) A	pplicable Constructi	on Code <u>. 831.1</u>	Edition <u>: 1</u> Design Spe	1967 Addenda cification: <u>729-458</u>		Code Case <u>:N/A</u>	
	(b) Ap	plicable Edilion of S	ection XI Used for	Repair/Repla	cement Activity: <u>2007</u>	Code Cas		
6	Identific	ation of Component	s Repaired or Rep	laced and Re	placement Compone	nls		
Name of Compon		Name of Manulaciurer	Manulacturer Serial No.	National Board No.	Olher Identification	Ysar Buin	Corrected. Removed. or installed	ASME Code Stamp

Component	Manufacturer	Serial No.	Board No.	Identification	Buin	Removed, or installed	Code Stamp (Yes or No)
Reliet Valve	Crosby	N68374-00- 0001	N/A	CVC-2038	2012	Removed	
Relief Valve	Crosby	N68374-00- 0003	NA	CVC-2038	2013	Installed	N
			_				
	1						

7. Description of Work: Replaced valve with rotated spare. Replaced valve failed functional test

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [X] Exempt [-]

Other (VT-2) Pressure (NOP) psig Test Temp. (NOT) 'F

13-045

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Sheet 2 of 2

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9. Remarks: <u>See WO 2063273 lurnover</u> Applic	package cable Manufacturer's Data Reports to be all	tached
	CERTIFICATE OF COMPLIANCE	n an
I certify that the statements made in the report a	are corract and this conforms to the require	ments of the ASME Code, Section XI.
Type Code Symbol Stamp	<u>N/A</u>	
Certificate of Authorization No.	N/A	
Signed Mulan	ISI ENGINEER	Dale 1/9/2014
•	Owner or Owner's Designee, Title	
CER	TIFICATE OF INSERVICE INSPECTION	
1, the undersigned, holding a valid commissio	in issued by the National Board of Boiler	and Pressure Vessel Inspectors and the
State or Province of <u>South Carolina</u>	and employed by <u>HSBCT</u>	of HARTFORD, CONNECTICUT have
inspected the components described in this	Owner's Report during the period 10/34	0/2013 to 1/9/2014 and state that to the
bast of my knowledge and belief, the Owne	r has performed examinations and take	n corrective measures described in Ihis
Owner's Report in accordance with the requir	rements of the ASME Code, Section XI.	
By signing this certificate neither the Inspec	ctor or his employer makes any warrant	y, expressed or implied, concerning the
examinations and corrective measures descr	nbed in this Owner's Report. Furthermon	e, neither the Inspectar nor his employer
shall be liable in any manner for any person	al injury or property damage or a loss of	any kind arising from or connected with
this inspection.		
CHOSTAFA ELKOWA	Commissions National Board, Sta	NB 13930 SC 264 ANti ate, Province, and Endorsements
Dale: <u>1/9/2014</u>		
	:	:

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APPENDIX II MANDATORY

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Form NIS 2

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FORM NIS-2 O	WNER'S REPOR	lt for repa	UR/REPLACE	MENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1.	Owner DUKE-ENERGY-PROGRESS, INC Name	Oale'	10/31/2013
	526 S. Church Street. Charlotte, NC 28201 Address	Sheel:1	012
2.	Plant H.B.ROBINSON	Unit:	2
	3581 WEST Entrance RD: HARTSVILLE, SC 29550 Address	EC#:N/A WR/WO:2097316 Repair Organ	EE:89664 CR:N/A Ization PO No;Job No;etc.
3.	Work Performed by <u>PROGRESS ENERGY CAROLINAS. INC</u> Name <u>3581 WEST ENTRANCE RD: HARTSVILLE. SC 29550</u> Address	Type Code Symbol: Autherization No.: Expiration Date:	N/A
4.	Identification of System: Class: 2 CHEMICAL AND VC	NUME CONTROL SYS	TEM 2060
5.	(a) Applicable Construction Code <u>; B31.1</u> Edition; <u>1957</u> Design Specificat	Addenda <u>:N/A</u> lion: <u>G-878844</u>	Code Case <u>;N/A</u>
	(b) Applicable Edition of Section XI Used for Repair/Replacement		2008 Addenda Case: <u>N/A</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Yoar Buik	Connected, Removed, or Installed	ASME Code Stamp (Yes or No)
Control Valve	Copes Vulcan	N/A ·	NA	CVC-2008	1971	Removed	N
Control Valve	SPX Valves & Controls	10000028058 97	N/A	CVC-2008	2013	Installed	N
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	L						
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					·		

7. Description of Work: Replace valve

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [X] Exempt [-]

Other (VT-2) Pressure (NOP) psig Test Temp (NOT) *F

13-046

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Sheet 2 of 2.

Remarks: See WO 2097316 lumover package Applicable Manufacturer's Data Reports to be ettached

9.

c	CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are	carrect and this conforms to the requiremen	is of the ASME Code, Section XI.
Type Cade Symbol Siamp	<u>N/A</u>	
Certificate of Authorization No		
Signed MWaln	ISI ENGINÉER	Dale 10/31/2013
	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>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u>. <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>7/9/2013</u> to <u>10/31/2013</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.

Ettosi AMA El Kouli Inspectors Signature

Commissions <u>NB 13930 SC 264 ANII</u> National Board, State, Province, and Endorsements

Date: 10/31/2013

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APPENDIX II MANDATORY

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Form NIS 2

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As Required by the Provisions of the ASME Code Section XI

1.	Owner DUKE-ENERGY-PROGRESS, INC Name	Date:	10/31/2013
	528 S. Church Street. Charlotte. NC 28201 Address	Sheet1	of 2
2.	Plant H.B.ROBINSON	Unit	2
		EC#:N/A	EE:89664
	3581 WEST Enfrance RD: HARTSVILLE, SC 29550	WR/WO.2097314	CR.N/A
	Address	Repair Organiza	ation PO No, Job No,etc.
3.	Work Performed by PROGRESS ENERGY CAROLINAS. II		
	Name	Authorization No.:	
	3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550 Address	Expiration Date:	N/A
4.	Identification of System: <u>Class 2</u> CHEMICAL A	ND VOLUME CONTROL SYSTE	EM 2060
5.	(a) Applicable Construction Code: <u>B31.1</u> Edition; Design Spe	<u>1967</u> Addenda <u>,N/A</u> clication. <u>G-678844</u>	Code Case <u>.N/A</u>
	(b) Assistable Edition of Section VI Head for BeneticBusia		RR Addanda

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: <u>2007 Edition 2008 Addanda</u> Code Case: <u>N/A</u>

Identification of Components Repaired or Replaced and Replacement Components

Name of Companent	Name of Manufacturer	Manufacturer Serisl No.	Nalional Board No.	Other Identification	Year Built	Conected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve	Copes Vulcan	NA	NVA	CVC-200C	1971	Removed	N
Control Valve	SPX Valves & Controls	10000028058 96	N/A	CVC-200C	2013	Installed	N

7. Description of Work: Replace valve

8, Test Conducted: Hydrostatic (-) Pneumatic (-) Nominal Operating Pressure [X] Exempt ()

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

13-047

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Sheet 2 of 2.

9.

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Remarks: <u>See WO 2097314 turnover package</u> Applicable Manufacturer's 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 Slamp N/A							
Certificate of Authorization NoN/A							
Signed ISI ENGINEER	Date 10/31/2013						
Owner or Owner's Designce, Tale							
CERTIFICATE OF INSERVICE INSPECTION							
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vesse	Inspectors and the						
State or Province of South Carolina and employed by HSBCT of HARTFORD. CO	NNECTICUT have						
inspected the components described in this Owner's Report during the period 7/9/2013 to 10/31/2013 a	nd state that to the						
best of my knowledge and belief, the Owner has performed examinations and taken corrective measur	es described in this						
Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificale neither the inspector or his employer makes any warranty, expressed or imp	ited, concerning the						
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspec	tor nor his employer						
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising fro	n or connected with						
this inspection.							
BHOSTNAA BLOUM Commissions NB 13930 SK							
Inspector's Signature National Board, State, Province, and Enviro	forsements						
Date: <u>10/31/2013</u>	•						

13-047

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APPENDIX II MANDATORY

Form NIS 2

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FORM NIS-2 OWNER'S	REPORT FOR REPAIR/REPL	LACEMENT ACTIVITY
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As Required by the Provisions of the ASME Code Section XI

1.	Owner DUKE-ENERGY-PROGRESS_INC Name	Date	11/1/2013
	526 S. Church Street, Charlotte, NC 28201 Address	Sheet1	_of2
2.	Plant H.B. ROBINSON Name	Ųnit:	_2
	3581 WEST Entrance RE: HARTSVILLE, SC 29550 Address	EC#:N/A WR/WO:2031489.06 Repair Organizatio	EE:N/A CR.N/A n PO No, Job No.sic.
3.	Work Performed by <u>PROGRESS ENERGY CAROLINAS, INC</u> Name <u>3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550</u> Address	Type Code Symbol Stam Authorization No.: Expiration Date:	p:N/A N/A N/A
4.	Identification of System: Class:3 FEED WATER SYSTE	<u>M 3050</u>	
5.	(a) Applicable Construction Code: <u>831.1</u> Edition: <u>1987</u> Design Specification		Code Case <u>, N/A</u>

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: <u>2007 Edition 2008 Addenda</u> Code Case: <u>N/A</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Componens	Name of Manufacturer	Manulacturer Serial No.	National Board No.	Other Identification	Year Built	Connected, Removed, or Installed	ASME Cade Slamp (Yes or No)
16" X 4" branch connection assembly	Ebasco	N/A	N/A	4 FW-33/16-FW- 10	1971	Removed	N
16" X 4" branch connection assembly	Maintenance	N/A	N/A	4 FW-33/16-FW- 10	2013	Installed	N
	· · · · · · · · · · · · · · · · · · ·			· · · · · ·			

7. Description of Work: Replace AFW branch connection with prefabricated fitting (16"x 4")

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [X] Exampt [-]

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

13-048

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Sheet 2 of 2.

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9. Remarks: <u>See 2031489 06 lumover (</u> Appl	oackade licable Manufacturer's Data Reports to be attac	ched			
	CERTIFICATE OF COMPLIANCE				
I certily that the statements made in the report	are correct and this conforms to the requirem	ents of the ASME Code, Section XI.			
Type Code Symbol Stamp	NIA				
Certificate of Authorization No	NA				
Signed Malu	ISI ENGINEER	Date 11/1/2013			
	Owner or Owner's Designee, Title				
CER	RTIFICATE OF INSERVICE INSPECTION				
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> . <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>7/12/2013</u> to <u>11/1/2013</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>B.MOSTAFA</u> <u>B.V.B.H.J</u> Inspector's Signature Date: 11/1/2013	Commissions National Board, State	NB 13930 SC 264 ANII e. Province, and Endersements			

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APPENDIX II MANDATORY

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 <u>DUKE-ENERGY-PROGRESS. INC</u> Name	Date	11/1/2013
	526 S. Church Sireet. Charlotte. NC 28201 Address	Sheel:t	at2
2.	Plant <u>H.B.ROBINSON</u> Name	Unit:	2
	3581 WEST Entrence RD: HARTSVILLE, SC 29550 Address	EC#:N/A WR/WO:2031489 11 Repair Organiza	EE:N/A CR:N/A Hon PO No;Job No,eic.
3,	Work Performed by <u>PROGRESS ENERGY CAROLINAS, INC</u> Name <u>3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550</u> Addiress	Type Code Symbol St Authorization No.: Expiration Date:	N/A
4.	Identification of System: Class:3 FEED WATER SYST	TEM 3050	
5.	(a) Applicable Construction Code <u>: B31.1</u> Edition <u>; 1967</u> Design Specificati	Addenda <u>: N/A</u> on: <u>CPL-HBR2-M-048</u>	Code Case <u>:N/A</u>

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2007 Edition 2008 Addenda Code Case: NA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No,	Qihar Idantification	Year Buill	Connected, Removed, or Installed	ASME Code Stamp (Yes or No)
16" X 4" branch connection assembly	Ebasco	N/A	N/A	4 FW-34/16-FW- 11	1971	Removed	N
18" X 4" branch connection assembly	Maintenance	N/A	N/A	4 FW-34/16-FW- 11	2013	Installed	N
1							
			1				

7. Description of Work: Replace AFW branch connection with prefabricated fitting (16"x 4")

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [X] Exempt (-)

Other (VT-2) Pressure (NOP) psig Test Temp. (NOT) *F

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Sheet 2 of 2.

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9. Remarks: See 2031489 11 tumover package Applicable Manufacturer's Data Reports to be attached

CE	RTIFICATE OF COMPLIANCE	
I cartily that the statements made in the report are co	muct and this conforms to the requirement	nis of the ASME Code, Section XI.
Type Code Symbol Stamp	N/A	·
Certificate of Authorization No	NA	
Signed Mullon	ISI ENGINEER	Date 11/1/2013
•	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 Vassel Inspectors and the State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u>. <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>7/12/2013</u> to <u>11/1/2013</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 cartificate 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.

AMOSTATIA QLOUM Inspector's Signature

Commissions <u>NB 13930 SC 264 ANII</u> National Board, State, Province, and Endorsements

Date:11/1/2013

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APPENDIX II MANDATORY

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Form NIS 2

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

1	As Required by the Provisions of the A	SME Code Section XI	
1,	Owner <u>DUKE-ENERGY-PROGRESS, INC</u> Name	Date:	11/2/2013
	526 S. Church Street, Charlotte, NC 28201 Address	Sheet:1	of2
2.	Plant <u>H.B.ROBINSON</u> Name	Unil	· · · · · · · · · · · · ·
	3581 WEST Entrance RD: HARTSVILLE, SC 29550 Address	EC#:N/A WR/WO:2066053.01 Repair Organiz	EE:N/A CR:N/A alion PO No;Job No;etc.
3.	Work Performed by <u>PROGRESS ENERGY CAROLINAS, INC</u> Name	Type Code Symbol S Authorization No.:	
	3581 WEST ENTRANCE RD: HARTSVILLE, SC 29550 Address	Expiration Date:	<u>N/A</u>
4,	Identification of System Class 3 SERVICE WATER S	<u>YSTEM 4060</u>	
5.	(a) Applicable Construction Code. <u>B31.1</u> Edition <u>. 1967</u> Design Specification	Addenda <u>,N/A</u> on: <u>CPL-XXXX-M-001</u>	Code Case <u>.N/A</u>
:	(b) Applicable Edition of Section XI Used for Repair/Replacement		108 Addenda ase. <u>N/A</u>

6.	Identifi	cation of Component	a Repaired or Rep	biaced and Re	placement Componer	15	
Name		Name of	Magdachumz	National	Other	Vor	

Name of Component	Name of Manufacturer	Marufacturer Serial No	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Threaded Rod	Zurn	N/A	N/A	56-1A	1971	Removed	N
Threaded Rod	Nova	N/A	N/A	S6-1A	2013	Installed	N
Nuts	Zurn	N/A	N/A	\$6-1A	1971	Removed	N
Nuts	Nova	N/A	N/A	S6-1A	2013	Installed	N
	· <u>·····</u> ·······					· · · · · · · · · · · · · · · · · · ·	
	<u> </u>		+		_		
	1						1

7. Description of Work: Replaced bolting, Work performed in conjunction with WO 1127879 10

8 Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt (X]

Other (N/A) Pressure (N/A) psig Test Temp. (N/A) °F

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Sheet 2 of 2

Remarks: See WO 2066053 01 and 11127879 10 turnover packages. Applicable Manufacturer's Data Reports to be attached

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9.

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					
Certificate of Authorization NoN/A					
Signed 1 Comment ISI ENGINEER Date 11/1/2013 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 Vesset Inspectors and the					
State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> , <u>CONNECTICUT</u> have					
inspected the components described in this Owner's Report during the period 11/1/2013 to 11/1/2013 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.					
RHOTTHER EVOLUI					
Commissions NB 13930 SC 264 ANII Inspector's Signature National Board, State, Province, and Endorsements					
Date. 11/1/2013					

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Restraint

Restraint

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Ebasco

Maintenance

APPENDIX II MANDATORY

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Form NIS 2

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

1.	Owner <u>DUKE-ENERGY-PROGRESS, INC</u> Name				Date:		11/1/2013	<u></u>
	<u>526 S. (</u>	Church Street, Charl Address	otte, NC 28201		Sheet:	1	of	2
2.	Plant_	H B ROBINSON Name	l					
		.			EC#:N/A		EE N/A	
	<u>3581 M</u>	EST Entrance RD: I	HARTSVILLE, SC	<u>29550</u>		031489 26		
		Address			Rep	air Organizat	on PO No; Job No.	etc.
3.	Work P	erformed by PROGE		AROLINAS, II	IC Type Code	Symbol Sta	mp <u>N/A</u>	
			Name		Authorizati	on No.:	N/A	
	<u>3581 M</u>	EST ENTRANCE R	D'HARTSVILLE.	<u>SC 29550</u>	Expiration	Dale.	N/A	
		Address						
4.	Identific	cation of SystemC	less.3	FEED WATER	SYSTEM	3050		
5.	(a) A	pplicable Constructi	on Code <u>: 831.1</u>	Edition_1 Design Spe		<u>8. N/A</u> R2-C-011	Code Case <u>N/A</u>	
	(b) Aç	plicable Edition of S	ection XI Used for	Repair/Repla	cement Activity: 2007			
						Code Cas	e. <u>Nva</u>	
6	Identifi	cation of Component	s Repaired or Rep	liaced and Re	placement Compone	nts		
Name of Compone	ni	Name of Manufacturer	Manulacturer Serial No	National Board No	Other Identification	Year Buin	Corrected. Removed, ar Installad	ASME Code Stamp (Yes or No)

7. Description of Work: <u>Remove and replace pipe support</u>

.

N/A

N/A

Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [-]

Other [VT-3] Pressure [N/A] psig Test Temp. [N/A] *F

N/A

N/A

FW-68-50

FW-68-50

1971

2013

Removed

Installed

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Sheet 2 of 2.

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9.	Remarks	See 2031489 26 Jumov	er package

Applicable Manufacturer's Data Reports to be attached

	MPLIANCE
I certify that the statements made in the report are correct and this confo	rms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp	N/A
Certificate of Authorization No.	N/A
Signed Kan K Ch ISI ENGINE	
Owner or Owner's	Designee, Tille
CERTIFICATE OF INSERVI	
I, the undersigned, holding a valid commission issued by the Nationa	Board of Boiler and Pressure Vessel Inspectors and the
State or Province of <u>South Carolina</u> and employed	by <u>HSBCT</u> of <u>HARTFORD</u> , <u>CONNECTICUT</u> have
inspected the components described in this Owner's Report during	the period $\underline{10/23/2013}$ to $\underline{11/1/2013}$ and state that to the
best of my knowledge and belief, the Owner has performed exami	nations and laken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME C	ode, Section XI.
By signing this certificate neither the Inspector or his employer ma	kes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Re	port. Furthermore, neither the Inspector nar his employer
shall be liable in any manner for any personal injury or property dar	nage or a loss of any kind arising from or connected with
this inspection.	
A MOSTAFA ELKOUL	Commissions NB 13930 SC 264 ANII
	lational Board. State, Province, and Endorsements
Date: <u>11/1/2013</u>	

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2007 Edillon 2008 Addenda

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APPENDIX II MANDATORY

Form NIS 2

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

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As Required by u	ne Provisions of the ASME	Code Section XI
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1.	Owner	DUKE-ENERGY-PROGRESS, INC Name	2	Dale:	
	<u>526 S. Ch</u>	rch Street, Charlotte, NC 28201 Address	<u> </u>	Sheet:1	cf 2
2.	Plant	H.B.ROBINSON Name		Unit:	
			:	EC#:N/A	EE:89664
	3581 WES	T Entrance RD: HARTSVILLE, SC	29550	WR/WO:2097318	CR:N/A
		Address	. –	Repair Organiza	tion PO Ne; Job No;elc.
3.	Work Perf	ormed by PROGRESS ENERGY CA	ROLINAS, INC	Type Code Symbol Sta	mp: N/A
••		Name		Authorization No.:	
	3581 WES	TENTRANCE RD: HARTSVILLE	SC 29550	Expiration Date:	N/A
		Address		_	
4.	Identificati	ion of System: <u>Class:2</u>	HEMICAL AND VOL	JME CONTROL SYSTE	M2060
5. .	(a) App	ficable Construction Code; 831.1	Edition <u>: 1967</u> Design Specification	Addenda <u>:N/A</u> :: <u>G-678844</u>	Code Case <u>:N/A</u>

(b) Applicable Edilion of Section XI Used for Repair/Replacement Activity: 2007 Edilion 2008 Addenda Code Case: N/A

6. Identification of Components Regained or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Idenlification	Year Built	Connected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve	Copes Vulcan	N/A	N/A	CVC-200A	1971	Removed	N
Valve	Copes Vuican	N/A	N/A	CVC-200A	2013	Installed	N
		-				· .	
						<u> </u>	-

7. Description of World Replace valve

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt []

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

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Sheet 2 of 2.

Remarks: See WO 2097318 tumover package

9.

Applicable Mitnufacturer's Data Reports to be attached
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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 StampNVANNA_NNA_							
Centificate of Authorization NoN/A							
Signed Mindle	ISI ENGINEER	Date 11/19/2013					
Owner or Owner's Designee, Title							

GERTIFICATE 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>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u>. <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>7/9/2013</u> to <u>11/19/2013</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 Inspecton.

BYDSTAMA BYDSTAMA ctor's Signature

Commissions <u>NB 13930 SC 264 ANI</u> Helionel Board, State, Province, and Endorsements

Date:11/19/2013

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Washers/Nuls RPV Hydra

Washers/Nuts

Nava

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APPENDIX II MANDATORY

Form NIS 2

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As Required by the Provisions of the ASME Code Section XI

1.	Owner	DUKE-ENERGY	-PROGRESS. IN	<u>c</u> -		Dale:	<u> </u>	12/4/2013		
	<u>526 S. (</u>	Church Street, Charle Address	otte. NC 28201			Sheet:		of2		
2.	Plant _	H.B.ROBINSON Name	<u> </u>	<u>.</u>		Unit:		. 2		
	<u>3581 W</u>	EST Enirance RD: I Address	HARTSVILLE, SC	29550		EC#:88104 WR/WO:21 Rep:	33886	EE.N/A CR.N/A ion PO No;Jeb No;t	etc.	
3.		enformed by <u>PROGF</u> IEST ENTRANCE R Address	Name D: HARTSVILLE.		<u>1C</u>	Authorizatio	Symbol Star on No.: Date:			
4. 5.		ration of System: <u>C</u> pplicable Constructi	fass:1		1005 Edition:	1965	Addenda:N	A Code	Case:	
		plicable Edition of S		Design Spe		-		<u>8 Addenda</u> e: <u>N-307-3</u>		
6.	Identific	cation of Component	s Repaired or Rep	placed and Re	placemer	nt Componer	nts			
Name of Compone	nt	Name of Manufacturer	Manufactuser Serial No.	National Board No.	Cliher Idontifica	ailon	Year Built	Connected, Removed, or Installed	ASME Code Stamp (Yes or No)	
RPV		Nova	NA	N/A	RPV		1971	Removed	N	

Washers/Nuts RPV Hydra Washers/Nuts

2013

Installed

7. Description of Work: Replaced RPV Washers/Nuts with Hydranuts

N/A

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [-]

Other (VT-1) Pressure (N/A) psig Test Temp. (N/A) °F

N/A

13-053

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Sheet 2 of 2.

9.

Remarks: See 2133886 Jumover package Applicable Manufacture's 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								
Certificate of Authorization No	N/A							
Signed Mulle	ISI ENGINEER	Date 11/19/2013						
	Ormer ar Owner's Designer, Title							

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of ______ South Carolina ______ and employed by ______HSBCT_ of HARTFORD, CONNECTICUT have Inspected the components described in this Owner's Report during the period 6/13/2013 to 11/19/2013 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.

EMOSTAFA ELKO LM'

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Commissions <u>NB 13930 SC 264 ANII</u> National Board, State, Province, and Endorsements

Data:11/19/2013

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APPENDIX II MANDATORY FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

Form NIS 2

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Owner	DUKE-ENERGY-PROGE Name	RESS. INC	Dale		12/5/201	3
<u>526 S.</u>	Church Sireet, Charlotte, NC Address	28201	Sheet		10	2
Plant_	H.B.ROBINSON		Unit		2	
		· · · · · · · · · · · · · · · · · · ·	EC# N/A			<u>:N/A</u>
<u>3581 V</u>	VEST Entrance RD: HARTSV	LLE_SC 29550	WR/WO:204			R:N/A
	Address		Repa	ir Örganizail	on PO No;J	ob No,elc
Work i	Performed by PROGRESS EN	ERGY CAROLINAS, INC	Type Code S	Symbol Star	no:	N/A
		Name	Authorization			N/A
<u>3581 V</u>	VEST ENTRANCE RD: HART Address	SVILLE. SC 29550	Expiration D	ale:		N/A
Ideotifi	cation of System: Class:2	RESIDUAL HEAT	REMOVAL SYSTE	EM	2045	

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: <u>2007 Edition 2008 Addenda</u> Code Case: <u>NA</u>

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 Bult	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Snubber	Anvil International	30079	NA	Snubber # 18	1971	Removed	N
Snubber	Anvil International	38744	NA	Snubber # 18	2013	Installed	N
					•		
	-						+

7. Description of Work: <u>Replaced snubber with new snubber from stores</u>

8. Test Conducted: Hydrostatic [] Pneumatic () Nominal Operating Pressure () Exempt ()

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

13-054

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Sheet 2 of 2.

9.

Remarks: <u>See WO 2049172 tumover package.</u> Applicable Manufacturer's Data Reports to be atlached

	CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report a	ve correct and this conforms to the requirements	s of the ASME Code, Section XI.
Type Code Symbol Stamp	N/A	<u></u>
Certificate of Authorization No	N/A	
Signed Mubban	ni enginter	Date 11/18/2013
	Owner or Owner's Designee, Tide	
CER	TIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commissio	n issued by the National Board of Boiler and I	Pressure Vessel Inspectors and the

State or Province of ______ South Carolina ______ and employed by ______ HSBCT_ of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 10/24/2013 to 11/19/2013 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.

EMOSTAFA EKoulu Inspector's Signature

Commissions NB 13930 SC 264 ANII National Board, State, Province, and Endorsements

Date:11/19/2013

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APPENDIX II MANDATORY

Form NIS 2

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

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As Required by I	ihe 1	Provisions of the <i>i</i>	asme	E Code	Section XI
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1.	Owner	DUKE-ENERG	Y-PROGRESS, II Name	<u>NC</u>	Date:		11/19/2013	
	<u>526 S. (</u>	Church Street, Cha Address	notie, NC 28201		Sheet	1	of2	<u></u>
2.	Plant _	H.B.ROBINSC	N		Unit		2	
	<u>3581 V</u>	(EST Enirance RD) Address	HARTSVILLE. SO	29550_	<u>EC#:8250</u> <u>WR/WO.0</u> Re	1902298	EE:N/A CR.N/A ton PO No,Job No;e	itc.
3.		Performed by <u>PROG</u>	Name		Authorizat	Symbol Sta ion No.: Date;	N/A	
4.	Idenlifi	Address	Class:3	SERVICE W	ATER SYSTEM	4060		
5. ·	(a) A	ppficable Construc	lion Code <u>: B31 1</u>			a: <u>N/A</u>)R2-M-048	Code Case <u>:N/A</u>	
· · · ·	(b) A;	plicable Edition of	Section XI Used fo	or Repair/Repla	acement Activity: 200	7 Edition 200 Code Cas		
6.	Identifi	calion of Componen	nts Repaired or Re	placed and Re	eplacement Compone	nis		
Name of Compone	mi	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other	Year Buill	Corrected, Removed, or	ASME

Name of Componeni	Name of Manulaclurer	Manufacturer Serial No.	National Board No.	Other Identification	Year Budil	Corrected, Removed, or Installed	ASME Code Slamp (Yes or No)
Backwash Piping	Maintenance	N/A	N/A	3-CW-178	1971	Removed	N
Blowoff Piping	Mainlenance	N/A	N/A	3-CW-179	1971	Removed	N
Backwash Piping	Maintenance	N/A	N/A	3-CW-178	2013	Installed	N
Blowoff Piping	Maintenance	N/A	N/A	3-CW-179	2013	Installed	N
	[T			
			1	1		1	
	1		<u>I</u>	I			

7. Description of Work: Replace Pipe and associated fittings including valves

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8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [X] Exempt [-]

Other (VT-2) Pressure [NOP] psig Test Temp. [NOT] *F

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Sheet 2 of 2.

9. Remarks: See WO 1902298 turnove Appl	ir package licable Manufacturer's Data Reports to be at	lached
	CERTIFICATE OF COMPLIANCE	an a
I certify that the statements made in the report	are correct and this conforms to the requirer	ments of the ASME Code, Section XI.
Type Code Symbol Stamp	N/A	
Certificate of Authorization No	N/A	
Signed Malala	ISI ENGINEER	Oate 11/19/2013
	Owner or Owner's Designee, Title	
CEF	RTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commissi	on issued by the National Board of Boiler	and Pressure Vessel Inspectors and the
State or Province of South Carolina	and employed by HSBCT	of HARTFORD. CONNECTICUT have
inspected the components described in this	Owner's Report during the period 3/16/2	2013 lo 11/19/2013 and state that to the
best of my knowledge and belief, the Own	er has performed examinations and take	n corrective measures described in this
Owner's Report in accordance with the requ	irements of the ASME Code, Section XI.	
By signing this certificate neither the Inspe	ctor or his employer makes any warrant	y, expressed or implied, concerning the
examinations and corrective measures desc	cribed in this Owner's Report. Furthermore	e, neither the Inspector nor his employer
shall be liable in any manner for any person	nal injury or property damage or a loss of	any kind arising from or connected with
this inspection.		
A HOSTANFA ENLOWING	A	
Inspector's Signature	Commissions National Board, Sta	NB 13930 SC 264 ANII ate, Province, and Endorsements
Date: <u>11/19/2013</u>		

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APPENDIX II MANDATORY

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Form NIS 2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner <u>DUKE-ENERGY-PROGRESS, INC</u> Name	Dale:	12/3/2013
	526 S. Church Street, Charlotte, NC 28201 Address	Sheet1	of 2
2.	Plant H.B.ROBINSON Name	Unit	2
	3581 WEST Entrance RD: HARTSVILLE, SC 29550 Address	EC#:N/A WR/WO:2284368 Repair Organia	EE.N/A CR:N/A cation PO No,Job No,etc.
3.	Work Performed by <u>PROGRESS ENERGY CAROLINA</u> Name <u>3581 WEST ENTRANCE RD: HARTSVILLE, SC 2955</u> Address	Authorization No.:	N/A
4.	Identification of System: Class:2 COMPON	ENT COOLING WATER	4060
5.		on <u>: 1957</u> Addenda <u>:N/A</u> Specification: <u>N/A</u>	Code Case <u>N/A</u>

(b) Applicable Edition of Section XJ Used for Repair/Replacement Activity: 2007 Edition 2008 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 Buill	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve Internals	Anchor/Darling	N/A	N/A	CC-7168	1971	Removed	N
Valve Internals	Anchor/Darting	N/A	N/A	CC-716B	2013	Installed	N
		<u> </u>			_		

7. Description of Work: Replaced valve Internals and reinstalled.

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8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [] Exempt []

Other [N/A] Pressure [N/A] psig Test Temp. (N/A) *F

13-056

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Sheet 2 of 2.

9. Remarks: See WO 2294368 turnover package.

Applicable Manufacturer's Data Reports to be attached

	CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the repo	nt are correct and this conforms to the requirements o	f the ASME Code, Section XI.
Type Code Symbol Stamp	<u>N/A</u>	
Certificate of Authorization No	N/A	
Signed MINDEN		Date 11/20/2013
	Owner or Owner's Designeo, Title	
Ċ	ERTIFICATE OF INSERVICE INSPECTION	

I, the undersigned, holding a valid commission issued by the National Board of Bollar and Pressure Vessal Inspectors and the State or Province of <u>South Caroline</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u>. <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>10/8/2013</u> to <u>11/20/2013</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken connective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this cartificate 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.

BHOSTAFA BKOWM Inspector's Sig

Date:11/20/2013

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APPENDIX II MANDATORY

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 <u>DUKE-ENERGY-PROGRESS, INC</u> Name	Date:	11/25/2013
	526 S. Church Street, Charlotte, NC 28201 Address	Sheet: 1	of 2
2.	Plant H.B.ROBINSON	Unit	2
•	Name	EC#:79124	EE.N/A
	3581 WEST Entrance RD: HARTSVILLE, SC 29550	WRWO:2121916-14	CR:N/A
	Address		IN PO No; Job No, etc.
3.	Work Performed by PROGRESS ENERGY CAROLINAS. INC	Type Code Symbol Stan	
	Name	Authorization No.:	
	3581 WEST ENTRANCE RD: MARTSVILLE, SC 29550 Address	Expiration Date:	<u>N/A</u>
4.	Identification of System: Class:3 COMPONENT COOLIT	NG WATER SYSTEM	4080
5.	(a) Applicable Construction Code: <u>B31.1</u> Edition; <u>1967</u> Design Specification		Code Case <u>;N/A</u>

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2007 Edition 2008 Addenda Code Case: N/A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manulacturer Sarial No,	National Board No.	Other Identification	Year Built	Connected, Romoved, or Installed	ASME Code Stamp (Yes or No)
Flow meter	A8B	N/A	N/A	FIC-658	2012	Removed	Ņ
Flow Meler	A68	N/A	N/A	FIC-658	2013	Installed	N
			ļ				

7. Description of Work: Replace flow mater.

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8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [] Exempt []

Other (VT-2) Pressure (NOP) psig Test Temp. (NOT) *F

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Sheat 2 of 2.

9. Remarks: <u>Sea WO 2121916 lumover package</u> Applicable Manufacturer's Oala 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, Soction XI. Type Code Symbol Stamp
Certificate of Authorization No
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> . <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>3/15/2013</u> to <u>11/25/2013</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>BHOSTMA EVCO M</u> <u>Commissions NB 13930 SC 284 ANII</u> Inspector's Signature
Date <u>11/25/2013</u>

13-057

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APPENDIX II MANDATORY

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Form NIS 2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner	DUKE-ENERGY-PROGRESS. IN Name		Date:	12/10/2013
	<u>526 S. Cl</u>	hurch Sireet, Charlotte, NC 28201 Address		Sheel:1	ofZ
2.	Plant	H.B.ROBINSON	<u>.</u>	Unit:	2
				EC#:N/A	EE:N/A
•	3581 WE	ST Entrance RD: HARTSVILLE, SC	29550	WR/WO:2104385	CR:N/A
		Address		Repair Organi	zation PO No; Job No;etc.
3.	Work Pe	formed by PROGRESS ENERGY C.	AROLINAS, INC	Type Code Symbol	Stamp:N/A
		Name		Authorization No.:	N/A
	<u>3581 WE</u>	<u>IST ENTRANCE RD: HARTSVILLE.</u> Address	<u>SC 29550</u>	Expiration Date:	N/A
4.	Identifica	ition of System: <u>Class:3</u>	CHEMICAL AND VOLL	IME CONTROL SYS	TEM
5.	. (a) Ap	plicable Construction Code <u>: 831.1</u>	Edition <u>: 1967</u> Design Specification	Addenda <u>;N/A</u> : <u>676281</u>	Code Case <u>; N/A</u>
	(b) App	licable Edition of Section XI Used for	Repair/Replacement A	ctivity: 2007 Edition 2	2008 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 Buit	Connected, Removed, or Installed	ASME Code Sismp (Yes or No)
Bonnet	π	NA	N/A	CVC-336	1971	Removed	N
Bonnel	π	N/A	NIA	CVC-336	2013	Installed	N
	·	·		· · · · · · · · · · · · · · · · · · ·			
				<u>·</u>			

7. Description of Work: Replace bonnet assembly

8. Test Conducted: Hydrostatic (-) Pneumatic (-) Nominal Operating Pressure (X) Exempt ()

Other [VT-2] Pressure (NOP) paig Test Temp. [NOT] *F

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Sheet 2 of 2

Date 11/21/2013

Remarks: See WO 2104385 tumover package

	CERTIFICATE OF COMPLIANCE				
I certify that the statements made in the report	ere correct and this conforms to the requ	imments of the ASME Code, Section XI.			
Type Code Symbol Stamp	N/A				
Certificate of Authorization No	N/A				
signed Muss		Date 11/21/201			

CERTIFICATE OF INSERVICE INSPECTION

ISI ENGINEER

Owner or Owner's Designee, Title

I, the undersigned, helding a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors and the and employed by HSBCT of HARTFORD, CONNECTICUT have State or Province of ______South Carolina inspected the components described in this Owner's Report during the period 10/17/2012 to 11/21/2013 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.

QHOSTAFA ELKOWLY ospector's Slanstur

NB 13930 SC 264 ANII Commissions National Board, State, Province, and Endorsements

Dale:11/21/2013

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Signed

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APPENDIX II MANDATORY

Form NIS 2

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner <u>DUKE-ENERGY-PROGRESS, INC</u> Name	Oale:	12/3/2013
	526 S. Church Street, Charlotte, NC 28201 Address	Sheel:1	of2
2.	Plant H.B.ROBINSON Name	Unit:	2
		EC#:N/A	EE:N/A
•	3581 WEST Entrance RD: HARTSVILLE, SC 29550	WR/WO:558984	CR:N/A
	Address	Repair Organia	ration PO No; Job No;etc.
3.	Work Performed by PROGRESS ENERGY CAROLINAS	INC Type Code Symbol S	ilamp:N/A
	Name	Authorization No.:	N/A
	3581 WEST ENTRANCE, RD; HARTSVILLE, SC 29550 Address	Expiration Date:	N/A
	Address		
4.	Identification of System: Class: 2 MAIN STEA	M SYSTEM 3020	
5.		i <u>: 1967</u> Addenda <u>;N/A</u> pecification:	Code Case: <u>N/A</u>

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2007 Edition 2008 Addenda Code Case: <u>N/A</u>

Name of Companent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve Internals	Ture Machine Corp	N/A	N/A	MS-V1-3C	1971	Removed	N
Valve Internals	Tura Machine Corp	N/A	N/A	MS-V1-3C	2013	Installed	N
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6. Identification of Components Repaired or Replaced and Replacement Components

7. Description of Work: <u>Rebuilt valve internals.</u>

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8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure (X) Exempt (-)

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

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Sheet 2 of 2.

9. Remarks: See WO 558984 tumover package

A	opticable Mer	nulacturer's	s Oata Re	ports to be attached
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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						
Certificate of Authorization NoN/A						
Signed Mule 11/25/2013						
Owner ar 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>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTEORD</u> CONNECTICUT have						
inspected the components described in this Owner's Report during the period 10/19/2013 to 11/25/2013 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.						
RHOSTAFA EIKONN COmmissions NB 13930 SC 284 ANNI						
Inspector's Signature National Board, State, Province, and Endorsements						
Date: 11/25/2013						

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APPENDIX II MANDATORY

Form NIS 2

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

Owner DUKE-ENERGY-PROGRESS, INC Name	Date	11/25/2013
525 S. Church Street, Charlotte, NC 28201 Address	Sheet1	_ of2_
Plant H B ROBINSON	Unit:	2
Name	EC#.N/A	EE.N/A
3581 WEST Entrance RD: HARTSVILLE, SC 29550	WR/WO 2291431	CR:N/A
Address	Repair Organizatio	n PO No; Job No, elo
Work Performed by PROGRESS ENERGY CAROLINAS, INC	Type Code Symbol Star	IDN/A
Name	Authorization No.:	N/A
3581 WEST ENTRANCE RD: HARTSVILLE. SC 29550 Address	Expiration Date	N/A

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity. 2007 Edition 2008 Addenda Code Case: N/A

Identification of Components Repaired or Replaced and Replacement Components 6.

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Name of Component	Name of Manufacturer	Manufacturer Seriat No	National Board No.	Other Identification	Year Bاتىاt	Corrected, Removed, or Installed	ASME Code Slamp (Yes of No)
Shell Flange Nut (1)	Ebasco	N/A	N/A	EXCS-LTDN- HTX	2010	Removed	. N
Shell Flange Nul (1)	Nova	N/A	N/A	EXCS-LTDN- HTX	2013	Installed	N
					·	<u></u>	
<u></u>							
							T

7. Description of Work: Shell flange nut (1) replaced.

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8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [] Exempt []

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

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Sheet 2 of 2.

Remarks See WO 2291431 turnover package Applicable Manufacturer's Data Reports to be attached				
(CERTIFICATE OF COMPLIANCE			
I certify that the statements made in the report are	correct and this conforms to the requirement	Is of the ASME Code, Section XI.		
Type Code Symbol Slamp				
Certificate of Authorization No	N/A			
Signed <u>Markan</u>	ISI ENGINEER Owner or Owner's Designee, Title	Date 11/25/2013		
CERTIN	FICATE OF INSERVICE INSPECTION			
I, the undersigned, holding a valid commission i	issued by the National Board of Boiler and	Pressure Vessel Inspectors and the		
State or Province of South Carolina	and employed by <u>HSBCT</u> of <u>H</u>	ARTFORD, CONNECTICUT have		
inspected the components described in this O	wher's Report during the period 9/22/2013	to 11/25/2013 and state that to the		
best of my knowledge and belief, the Owner t	nas performed examinations and laken co	prective measures described in this		
Owner's Report in accordance with the requirem	nents of the ASME Code, Section XI.			
By signing this certificate neither the inspector	r or his employer makes any warranty, e	xpressed or implied, concerning the		
examinations and corrective measures describe	ed in this Owner's Report. Furthermore, ne	eilher 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.	r			
GHOSTAFA ELYOUM	_			
Inspector's Signature	Commissions National Board, State, F	NB 13930 SC 264 ANII Province, and Endorsements		
Date 11/25/2013				
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APPENDIX II MANDATORY

Form NIS 2

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

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As Required by	y the Provi	isions of the ASME	Code Section XI
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1.	Owner	DUKE-ENERGY-PROGRE Nama	<u>SS. INC</u>	Date:	1/9/2014
	<u>526 S. C</u>	hurch Street, Charlotte, NC 28 Address	201	Sheet:1	of2
2.	Plant	H.B.ROBINSON Name		Unit:	2
	<u>3581 WE</u>	EST Entrance RD: HARTSVILL Address	E. SC 29550	EC#:N/A WR/WO:13307933 04 Repair Organiz	EE:N/A CR:N/A ation PO No;Job No;etc.
3.		rformed by <u>PROGRESS ENE</u> Na EST ENTRANCE RD: HARTS Address	me	Type Code Symbol Si Authorization No.: Expiration Date:	N/A
4.	Identifica	ation of System: <u>Class:3</u>	SPENT FUEL POOL	COOLING SYSTEM	7110
5.	(a) Ap	plicable Construction Code:	B.31.1 Edition: 1967 Design Specification	Addenda <u>:N/A</u> on: <u>N/A</u>	Code Case <u>; N/A</u>
	(b) App	Nicable Edition of Section XI U	sed for Repair/Replacement		108 Addenda 1356: <u>N/A</u>

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 Bult	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Valve	Edward Valves	N/A	N/A	SFPC-805A	1971	Removed	N
Valve	Edwards Valve	788HR	N/A	SFPC-805A	2013	Installed	N
Elbow	Ebasco	N/A	Ň/A	N/A	1971	Removed	N
Elbow	Maintenance	N/A	N/A	N/A	2013	Installed	N
Pipe	Ebasco	NIA	N/A	N/A	1971	Removed	N
Pipe	Maintenance	N/A	N/A	N/A	2013	Installed	N

7. Description of Work: Replace valve SFPC-805A with new valve and piping/elbows

8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X] Exempt []

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

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Sheet 2 of 2.

9. Remarks: <u>See WO 13307933-08 turnover package.</u> Applicable Manufacturer's Data Reports to be attached
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
Certificate of Authorization NoN/A
Signed
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>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> . <u>CONNECTICUT</u> have
inspecied the components described in this Owner's Report during the period 10/29/2013 to 1/9/2014 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
A NOSTAVA EVOUN Commissions NB 13930 SC 264 ANII Inspector's Signature National Board, State, Province, and Endersements
Date <u>1/9/2014</u>

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APPENDIX II MANDATORY

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Form NIS 2

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

Owner <u>DUKE-ENERGY-PROGRESS, INC</u> Name	Date:	12/11/	2013
26 S. Church Street, Charlotte, NC 28201 Address	Sheet:1	of	2
PlantH.B.ROBINSON Narte	Unit:	2	
•	EC#:N/A		EE:N/A
3581 WEST Entrance RD: HARTSVILLE, SC 29550	WR/WO:2098131		CR:N/A
Address	Repair Organi	tation PO N	o; Job No;elc
Nork Performed by PROGRESS ENERGY CAROLINAS. INC	Type Code Symbol S	ilamp:	N/A
Name			N/A
Address Address	Expiration Date:		<u>N/A</u>
Identification of System: Class: 1 REACTOR COOL	ANT SYSTEM 2	205	
	Name 26 S. Church Street. Charlotte. NC 28201 Address Vlant H.B.ROBINSON Name 581 WEST Entrance RD: HARTSVILLE. SC 29550 Address Vork Performed by <u>PROGRESS ENERGY CAROLINAS. INC</u> Name 581 WEST ENTRANCE RD: HARTSVILLE. SC 29550 Address	Name 26 S. Church Street. Charlotte. NC 28201 Sheet:1 Address Vant H.B.ROBINSON Unit: Name EC#:N/A Viant H.B.ROBINSON Name EC#:N/A Visit Kodress Visit Kodress Visit Kodress Visit Kodress Visit Kodress Name Kodress Name Kodress Name Authorization No.: Kitherss Explicition Date:	Name 26 S. Church Street. Charlotite. NC 28201 Sheet:

5. (a) Applicable Construction Code:<u>ASME III</u> Edition: <u>1980</u> Addenda;<u>W 1980</u> Code Case;<u>N/A</u> Design Specification: <u>N/A</u>

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: <u>2007 Edition 2008 Addenda</u> Code Case: <u>N/A</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Companent	Name of Menulacturer			Other identification	Year Bulli	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Row 1, Column 47	AREVA	0701	N/A	S/G-A Hot Leg	2013	Corrected	N
Row 1, Column 47	AREVA	0702	N/A	S/G A Cold Leg	2013	Corrected	N
Row 20, Column 35	AREVA	2299	N/A	S/G-A Hot Leg	2013	Corrected	N
Row 20, Ceturnn 35	AREVA	2300	N/A	S/G A Cold Leg	2013	Corrected	N
-							[
			1				I

7. Description of Work: Plugged S/G "A" tubes at row 1 column 47 and row 20 column 35.

8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operaling Pressure [] Exempt []

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

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Sheet 2 of 2

Remarks: See WO 2098131 tumover package

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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 Codo Symbol Starsp							
Certificate of Authorization No	N/A						
Signed Mulsh	ISI ENGINEER	Date 12/4/2013					
Owner or Ownor'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>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u>, <u>CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>11/21/2013</u> to <u>12/4/2013</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.

B. MOSTAFA ELKOLY Inspector's Signature Commissions <u>NB 13930 SC 264 ANII</u> National Board, State, Province, and Endorsements

Date:12/4/2013

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APPENDIX II MANDATORY

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 <u>DUKE-ENERGY-PROGRESS_INC</u> Name	Date:	12/11/2013
	526 S. Church Street, Charlotte, NC 28201 Address	Sheet:1	of2
2.	Plant H.B.ROBINSON Name	Unit:	2
	3581 WEST Entrance RD: HARTSVILLE, SC 29550 Address	EC# N/A WR/WO:2098132 Repair Organ	EE:N/A CR:N/A Ization PO No;Job No;etc.
3.	Work Performed by <u>PROGRESS ENERGY CAROLINAS, 1</u> Name <u>3551 WEST ENTRANCE RD: HARTSVILLE, SC 29550</u> Address	<u>NC</u> Type Code Symbol : Authorization No.; Expiration Date:	
4.	Identification of System:_Class;1REACTOR C	OLANT SYSTEM 2	005
5.	(a) Applicable Construction Code <u>: ASME III</u> Edition <u>:</u> Design Spi		Code Case:N/A

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: <u>2007 Edition 2008 Addenda</u> Code Case: <u>N/A</u>

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Bound No.	Other Identification	Year Built	Connected, Removed, or Installed	ASME Code Stamp (Yes of No)
Row 11, Column 70	AREVA	0704	N/A	S/G-B Cold Leg	2013	Corrected	N
Row 11, Column 70	AREVA	0703	NA	S/G B Hot Leg	2013	Corrected	N
Row 25, Column 10	AREVA	0706	N/A	S/G-B Cold Leg	2013	Corrected	N
Row 25, Column 10	AREVA	0705	N/A	S/G 8 Hot Leg	2013	Corrected	N
		}					

7. Description of Work: Plugoad S/G 'B' tubes at row 11 column 70 and row 25 column 10.

8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [] Exempt []

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

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Sheet 2 of 2.

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CERTIFICATE OF COMPLIANCE I cartify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Type Code Symbol Stamp	
Type Code Symbol Sizmp	
Certificate of Authorization NoN/A	12/4/2013
	12/4/2013
Signed MWBO ISI ENGINEER Date	12/4/2013
Owner or Owner's Designeo, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Ins	• • • • • • •
State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> . CONNI	
inspected the components described in this Owner's Report during the period <u>11/21/2013</u> to <u>12/4/2013</u> and t	
best of my knowledge and belief, the Owner has performed examinations and taken correctiva measures d	isscribed 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 n	or his employer
shall be flable in any manner for any personal injury or property damage or a loss of any kind arising from or	connected with
this inspection.	
Q.HOSTATA EV.KOVM Commissions NB 13930 SC 26	-
Inspector's Signature National Board, State, Province, and Endorse	
Date: <u>12/4/2013</u>	

13-063

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APPENDIX II MANDATORY

Form NIS 2

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

As Required	by the Provisions	of the ASME	Code	Section XI	
	and additional and a second				

1.	Owner	DUKE ENERG)	/-PROGRESS. IN Name	<u>C</u> .		Date		1/14/2014	
	<u>526 S. (</u>	Church St., Charlolle Address	NC 28201		~	Sheet	1	0[2
2. ·	Plant _	H.B.ROBINSON Name	L			Unit:			
	<u>3581 W</u>	EST Entrance RD: 1 Address	HARTSVILLE, SC	29550			00231	EE:N/A CR:N/A Ion PO No,Job No	
3.		enformed by <u>PROGF</u>	Name		<u>VC</u>	Authorizatio	on No.:	mp:N/A	
	<u>3581 W</u>	<u>EST ENTRANCE R</u> Address	D: HARTSVILLE.	<u>SC 29550</u>		Expiration	Date:	<u>N/A</u> _	
4.	Identific	cation of System: <u>C</u>	lass:3	SERVICE WA	TER SY	STEM	4060		
5.	(a) A	pplicable Constructi	on Code <u>B 31.1</u>	Edition: 1 Design Spe		Addenda n: <u>N/A</u>	I.N/A	Code Case <u>: N/A</u>	
	(b) Ap	plicable Edition of S	ection XI Used for	Repair/Rep la	cement A	Activity: <u>2007</u>	Edition 200 Code Cas		
6.	Identifi	calion of Component	s Repaired or Rep	laced and Re	placeme	nt Compone	nts		
Name of Compone		Name of Manufacturer	Manufacturer S e rial No.	Nalional Board No.	Other Identific	ation	Year Built	Corracted, Removed, or Installed	ASME Code Stamp (Yes or No)
Check \	Valve	Crane	NA	N/A	SW-54	5	2002	Removed	N
Check \	Valve	Crane	N/A	N/A	SW-54	5	2013	Installed	N

7. Description of Work: Replaced existing SW-545 with spare refurbished valve from stores

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [X] Exempt [-]

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

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Sheet 2 of 2

9 Remarks: See WO 1800231 01 lumover package. Applicable Manufacturer's 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 Slamp
Certificate of Authorization No. N/A
Signed <u>ISLENGINEER Date 1/14/2014</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 South Carolina and employed byHSBCT_ of HARTFORD_CONNECTICUT have
inspected the components described in this Owner's Report during the period 7/13/2013 to 1/14/2014 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 tiable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
RHOSTMAD Commissions NB 13930 SC 264 ANII Inspector's Signature National Board, State, Province, and Endorsements
Dale <u>1/14/2014</u>

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Check Valve

Check Valve

Elbow

Elbow

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Edwards

Floserve

Ebasco

Dubose

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APPENDIX II MANDATORY

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Form NIS 2

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

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As Required by	y lhe Provi	isions of the <i>i</i>	ASME Code	Section X
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1.	Owner	DUKE-ENERGY	(-PROGRESS, ING Name	<u>C</u>	Date:		1/2/2014			
	<u>526 S. (</u>	<u>Church Street, Charl</u> Address	olie. NC 28201	****	Sheet	1	ot;	2		
2.	Plant	H.B.ROBINSON Name	L			Unit:2				
					EC#:N/A		EE:N/A			
	<u>3581 W</u>	EST Entrance RD: H	ARTSVILLE. SC.	29550		083555 01		والمتحدث والمتحدث والمتحدث		
		Address			Kej	pair Organizat	ion PO No;Job No;	elc.		
3.	Work P	erformed by PROGR	ESS ENERGY C	AROLINAS, IN	IC Type Code	e Symbol Sta	mo: N/A			
••	••••••		Name		Authorizat	Authorization No.:N/A				
	3581 W	EST ENTRANCE R	D: HARTSVILLE.	<u>SC 29550</u>	Expiration	Expiration Date:N/A				
		Address								
4.	Identific	cation of System:	lass:2	CHEMICAL A	ND VOLUME CONT	ROL SYSTEM	M2060			
5.	(a) A	pplicable Construction	on Code <u>, B 31.1</u>		Addenda <u>;N/A</u> Code Case <u>:N/A</u> on: <u>G676241</u>					
	(b) Ар	plicable Edition of S	ection XI Used for	Repair/Replac	cement Activity: 200	7 Edilicn 200 Code Cas				
6.	Identifi	cation of Component	s Repaired or Rep	placed and Re	placement Compone	ints				
Name of Compone	กเ	Name of Menulaciurer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)		

7. Description of Work: <u>Replaced check valve and elbow by welding</u>

N/A

N/A

N/A

458MM

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [X] Exempt [-]

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

N/A

N/A

N/A

N/A

CVC-313

CVC-313

N/A

N/A

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2013

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Sheet _2_ of _2_

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		Sheet _2_ of _
9. Remarks: <u>See WO 2063555 01 turnover</u> Applicabl	<u>package</u> e Manufacturer's Dala Reports to be attai	ched
CI	ERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are o	correct and this conforms to the requireme	ents of the ASME Code, Section XI.
Type Code Symbol Stamp	N/A	
Certificate of Authorization No.	N/A	
Signed	ISI ENGINEER Owner or Owner's Designee, Tille	Date 1/2/2014
CERTIFI	ICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission is	isued by the National Board of Boiler at	nd Pressure Vessel Inspectors and the
State or Province of	and employed by <u>_HSBCT_</u> of	HARTFORD, CONNECTICUT have
inspected the components described in this Ow	mer's Report during the period 10/25/	2013 to 1/2/2014 and state that to the
best of my knowledge and belief, the Owner ha	as performed examinations and taken	corrective measures described in this
Owner's Report in accordance with the requirem	ents 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 describe	d in this Owner's Report. Furthermore,	neither the inspector nor his employer
shall be liable in any manner for any personal in	jury or property damage or a loss of a	ny kind arising from or connected with
this inspection.		

<u>AMOSTAAA</u> ELKOM Inspector's Signature

Commissions <u>NB 13930 SC 264 ANII</u> National Board, State, Province, and Endersements

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Date 1/2/2014

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APPENDIX II MANDATORY

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Form NIS 2

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

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As	Rec	uired	by t	he	Provisions	of	ihe	ASME	Code	Section XI
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1.	Owner	Owner DUKE ENERGY-PROGRESS, INC Name						1/13/2014	
	<u>526 S</u>	Church St., Charlott Address	e. NC 28201			Sheet:	1	of	3
2.	Plant _	H B.ROBINSO Name	N				-	2	
	<u>3581 W</u>	/EST Entrance RD: Address	HARTSVILLE, S	<u>C 29550</u>		EC#:77383 WR/WO:20 Rep	086632	EE N/A CR N/A tion PO No; Job N	
3.		erformed by <u>PROG</u> / <u>EST ENTRANCE F</u> Address	Name		<u>NC</u>	Authorizati	on No.:	amp'N/A N/A N/A	
4. 5.	(a) A	cation of System: <u></u> oplicable Construct	ion Code <u>ASM</u>	<u>III</u> Edition <u>:</u> Design Sp	<u>1965</u> ecification	Addenda 1: <u>G-19055</u>	9		
6.	Identifi	cation of Componen	ts Repaired or Re	eplaced and Re	placeme	nt Compone	nts		
Name of Compone	ent .	Name of Manufacturer .	Manulacturer Serial No.	Nailonai Board No.	Other Ideniific	ation	Year Buill	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Equip-t	Hatch	Chicago Bridge & tron	N/A	N/A	EQUIF	-HATCH	1971	Installed	N
			L					L	
1				1	1		t		1

7. Description of Work: Modified the equipment hatch by welding quick closure clamping devices

8. Test Conducted: Hydrostatic [-] Pneumatic [-] Nominal Operating Pressure [-] Exempt [-]

Other [VT] Pressure [-] psig Test Temp [-] °F

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Sheet 2 of 2.

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Remarks: See WO 2086632 01 turnover package. Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
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 StampN/A
Certificate of Authorization No
Signed
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Bolier and Pressura Vessel Inspectors and th
State or Province of <u>South Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD</u> , <u>CONNECTICUT</u> hav
inspected the components described in this Owner's Report during the period <u>9/14/2013</u> to <u>1/13/2014</u> and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in th
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector or his employer makes any warranty, expressed or implied, concerning th
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected wi
this inspection.
BHDSTANA EVKOLM Commissions NB 13930 SC 264 ANII Inspector's Signature National Board, State, Province, and Endorsements
Date:1/13/2014

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