DAVE BAXTER
Vice President
Oconee Nuclear Station

Duke Energy
ON01VP / 7800 Rochester Highway
Seneca, SC 29672

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864-873-4208 fax
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August 27, 2010

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Subject: Duke Energy Carolinas, LLC
Oconee Nuclear Station, Unit 2
Docket No. 50-270
Unit 2 EOC 24 Refueling Outage
Inservice Inspection Report
Fourth Ten-Year Inservice Inspection Interval

Please find attached a copy of the Inservice Inspection Report for Oconee Unit 2 End of Cycle 24 Refueling Outage. This report is submitted pursuant to Section XI of the ASME Boiler and Pressure Vessel Code, 1998 Edition, with 2000 addenda, Subsubarticles IWA 6230 and IWA-6240.

This report does not include activities specific to the Steam Generator Tube Inservice Inspection. An additional summary report which documents the Steam Generator Tube Inservice Inspection of the Unit 2 EOC-24 Refueling Outage will be transmitted separately.

If there are any questions you may contact Corey Gray at (864) 873-6325.

Sincerely,

Dave Baxter,
Site Vice-President
Oconee Nuclear Station

Attachment

A047
NRR

xc wo/attachment:

Luis Reyes
Region II Administrator
U.S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Ave., NE, Suite 1200
Atlanta, Ga 30303-1257

John Stang
Project Manager
U. S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, D.C. 20555

Andy Sabisch
NRC Senior Resident Inspector
Oconee Nuclear Station

INSERVICE INSPECTION REPORT

DUKE ENERGY CAROLINAS
OCONEE NUCLEAR STATION
UNIT 2
TWENTY-Fourth REFUELING OUTAGE

Owner's Report
For
INSERVICE INSPECTIONS

OCONEE UNIT 2
2010 REFUELING OUTAGE
EOC24 (OUTAGE 4)

Plant Location: 7800 Rochester Highway, Seneca, South Carolina 29672

NRC Docket No. 50-270

Commercial Service Date: September 9, 1974

Document Completion Date 7-30-2010

Owner: Duke Energy Carolinas
526 South Church St.
Charlotte, N. C. 28201-1006

Revision 0

Prepared By: Larry C. Keith Date 7-20-10

Reviewed By: Gary D Gentzzo Date 7-20-10

Approved By: [signature] Date 7/22/10

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

As required by the Provisions of the ASME Code Rules

1. Owner: Duke Energy Carolinas, 526 S. Church St., Charlotte, NC 28201-1006
(Name and Address of Owner)

2. Plant: Oconee Nuclear Station, 7800 Rochester Highway, Seneca, SC 29672
(Name and Address of Plant)

3. Plant Unit: 2 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date: September 9, 1974 6. National Board Number for Unit N/A

7. Components Inspected:

Component or Appurtenance	Manufacturer Installer	Manufacturer Installer Serial No.	State or Province No.	National Board No.
	See Section 1.1 in the Attached Report			

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

Total number of pages contained in this report 177

FORM NIS-1 (Back)

8. Examination Dates December 12, 20008 to May 30, 2010

9. Inspection Period Identification: Second Period

10. Inspection Interval Identification: Fourth Interval

11. Applicable Edition of Section XI 1998 Addenda 2000

12. Date/Revision of Inspection Plan: January 26, 2008 / 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 Sections 2.0, 3.0 and 6.0

14. Abstract of Results of Examination and Tests. See Sections 4.0 and 6.0

15. Abstract of Corrective Measures. See Subsection 4.3

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) NA Expiration Date NA

Date 7/22/10 Signed Duke Energy Carolinas. By

Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA employed by HSB Global Standards have inspected the components described in this Owner's Report during the period 12-12-08 to 5-30-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in the Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

Inspector's Signature

Commissions SC232 NIABC IS

National Board, State, Province, and Endorsements

Date 7-30-10

HSB Global Standards
200 Ashford Center North
Suite 205
Atlanta, GA. 30338-4860
(800) 417-3721
www.hsbct.com

DISTRIBUTION LIST

1. Duke Energy Carolinas
   Nuclear Technical Services Division
   Section XI Inspection Program Section

2. NRC Document Control Desk

3. HSB Global Standards (AIA)
   c/o ANII at Oconee

Note: The following personnel are to be notified via e-mail after the Inservice Inspection Report has been stored in the Nuclear Electronic Document Library:
GO Nuclear Assurance c/o Bruce Nardoci
Inspection Services (ISI Coordinator)

TABLE OF CONTENTS

1.0 General Information

This report describes the Inservice Inspection of Duke's Oconee Nuclear Station, Unit 2, during Outage 4/EOC 24. This is the second outage in the second inspection period of the Fourth Ten-Year Interval. ASME Section XI, 1998 Edition with the 2000 Addenda, was the governing Code for selection and performance of the ISI examinations.

Included in this report are: the inspection status for each examination category, the final inservice inspection plan, the inspection results for each item examined, and corrective actions taken when reportable conditions were found. In addition, there is an Owner's Report for Repair/Replacement Activities Section, which includes completed NIS-2 documentation of repair/replacement activities.

1.1 Identification Numbers

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Babcock & Wilcox	620-0004-51-52	N/A	N-105
Reactor Vessel Head (replaced head)	Babcock & Wilcox	068S-02	N/A	209
Steam Generator A	Babcock & Wilcox	006K03	N/A	207
Steam Generator B	Babcock & Wilcox	006K04	N/A	208
Pressurizer	Babcock & Wilcox	620-0004-59	N/A	N-106
Main Steam System	Duke Power	NA	NA	NA
Auxiliary Steam System	Duke Power	NA	NA	NA
Feedwater System	Duke Power	NA	NA	NA
Emergency Feedwater System	Duke Power	NA	NA	NA
Steam Generator Flush System	Duke Power	NA	NA	NA
Condensate System	Duke Power	NA	NA	NA

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Vents and Exhaust System	Duke Power	NA	NA	NA
Condenser Circulating Water	Duke Power	NA	NA	NA
High Pressure Service Water System	Duke Power	NA	NA	NA
Low Pressure Service Water System	Duke Power	NA	NA	NA
Reactor Coolant System	Duke Power	NA	NA	NA
High Pressure Injection System	Duke Power	NA	NA	NA
Low Pressure Injection System	Duke Power	NA	NA	NA
Reactor Building Spray System	Duke Power	NA	NA	NA
Component Cooling System	Duke Power	NA	NA	NA
Spent Fuel Cooling System	Duke Power	NA	NA	NA
Vents - Reactor Building Components	Duke Power	NA	NA	NA
Drains - Reactor Building Components	Duke Power	NA	NA	NA

1.2 ***Reference Documents***

The following reference documents apply to the inservice inspections performed during this report period. A copy may be obtained by contacting the ISI Plan Manager at Duke's Corporate Office in Charlotte, North Carolina.

Code Case N-460 (Alternative Examination Coverage for Class 1 and Class 2 Welds, Section XI, Division I) Applicable to items in this report where less than 100% coverage of the required weld examination volume was achieved.

Code Case N-504-2 (Alternative Rules for Repair of Class 1, 2, and 3 Austenitic Stainless Steel Piping). Applicable to items that receive a weld overlay. During 2EOC-24 outage there were welds that received weld overlay and the PSI exams were performed per Code Case N-504-2.

Code Case N-609 (Alternate Requirements to Stress-Based Selection Criteria for Category B-J Welds, Section XI, Division 1.)

Code Case N-624 (Alternative to the requirements of IWB-2420(a), IWC-2420(a), IWD-2420(a), and IWF-2420(a).) This will allow the sequence of component examinations that were established during the first inspection interval to be modified, provided that the percentage requirements are still met.

Code Case N-663 (Alternative Requirements for Classes 1 and 2 Surface Examinations, Section XI, Division I)

Code Case N-685 (Lighting Requirements for Surface Examinations)

Code Case N-695 (Qualification Requirements for Dissimilar Metal Piping Welds, Section XI, Division I)

Code Case N-722 (Additional Examinations for PWR Pressure retaining Welds in Class 1 Components Fabricated with Alloy 600/82/182 Materials Section XI, Division 1) 10CFR Part 50, Federal Register, Final Rule that was issued September 10, 2008 mandates the use of this code case. (Effective Date is October 10, 2008)

Duke Power Company Problem Investigation Process Report O-10-0755. This PIP was written to track the evaluation process and resolution of indications that are not service induced that were found during ISI on Class 1, 2, or 3 supports.

Duke Power Company Problem Investigation Process Report O-10-0757. This PIP was written to track the evaluation process and resolution of service induced indications found during ISI on Class 1, 2, or 3 supports.

Duke Power Company Problem Investigation Process Report O-10-02605. This PIP was written to track the evaluation process and resolution for limited coverage on UT examinations of welds that were inspected during EOC-24 for Unit 2. This will include processing relief request if it is determined that greater than ninety percent of coverage cannot be achieved. The welds with limited coverage are listed in Section 4.4 of this report.

PIP O-09-00530 was written to document the work orders that had work completed during the 2EOC-23 report period but the documentation was not completed in time for the NIS-2 forms to be incorporated into 2EOC-23 report.

PIP O-09-0848 was written to incorporate Code Case N-609 into the Fourth Interval ISI Plan. This code case is instrumental in removing stress welds from the inspection plan.

PIP G-08-0185 was written to incorporate Code Case N-663 into the Fourth Interval ISI Plan. This code case is instrumental in removing surface exams from the inspection plan.

Plan Addenda ONS2-079, ONS2-089, ONS2-091, ONS2-092, and ONS2-096 are instrumental to making changes to the Unit 2 Fourth Interval ISI Plan, which are reflected in the totals shown in the tables in Section 2.

Request for Relief 03-006 (Allows Duke an Alternative for the Snubber Examinations required in IWF-5000 for the 4^{th} interval.)

Request for Relief 07-ON-001 (Allows Duke an Alternative for Section XI inspection requirements to support the application of Structural Weld Overlays on Nozzle to SE Welds. (Summary Numbers O1.Q1.1)

2.0 *Fourth Ten Year Interval Inspection Status*

The completion status of inspections required by the 1998 ASME Code Section XI, with the 2000 Addenda, is summarized in this section. The requirements are listed by the ASME Section XI Examination Category as defined in Table IWB-2500-1 for Class 1 Inspections, Table IWC-2500-1 for Class 2 Inspections, and IWF-2500-1 for Class 1 and 2 Component Supports. Appendix Q, Augmented, and Elective inspections are also included.

Class 1 Inspections

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	(1) Deferral Allowed
B-A	Pressure Retaining Welds in Reactor Vessel	6 Welds	.5 Weld	8%	Partial
B-B	Pressure Retaining Welds in Vessels Other than Reactor Vessel	10 Welds	6 Welds	60%	No
B-D	Full Penetration Welds of Nozzles in Vessels Inspection Program B	54 Inspections	27 Inspections	50%	Partial
B-F	Pressure Retaining Dissimilar Metal Welds	2 Welds	1 Welds	50%	Partial
B-G-1	Pressure Retaining Bolting Greater than 2 Inches in Diameter	128 Items	83.66 Items	65%	Yes
B-G-2	Pressure Retaining Bolting 2 Inches and Less in Diameter	20 Items	15 Items	75%	No
B-J	Pressure Retaining Welds in Piping	(2) 139 Welds	91 Welds	65%	No
B-K	Welded Attachments for Vessels, Piping, Pumps and Valves	11	7	64%	No

(1) Deferral of inspection to the end of the interval as allowed by ASME Section XI Table IWB-2500-1.
(2)Totals changed from 160 in EOC-23 to 139 in EOC-24 due to welds being deleted and from adopting Code Case N-609. See Plan Addenda ONS2-079, ONS2-092, and PIP G-09-0848 for details on the changes.

Class 1 Inspections (Continued)

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	(1) Deferral Allowed
B-L-1	Pressure Retaining Welds in Pump Casings	1 Weld	1 Weld	100%	Yes
B-L-2	Pump Casings	1 Casing	0 Casing	0%	Yes
B-M-1	Pressure Retaining Welds in Valve Bodies	1 Valve Body Weld	1 Valve Body Weld	100%	Yes
B-M-2	Valve Bodies	3 Valves	1 Valves	33%	Yes
B-N-1	Interior of Reactor Vessel	3 Inspections	2 Inspection	67%	No
B-N-2	Welded Core Support Structures and Interior Attachments to Reactor Vessels	1 Inspection	0 Inspections	0%	Yes
B-N-3	Removable Core Support Structures	1 Inspection	0 Inspections	0%	Yes
B-0	Pressure Retaining Welds in Control Rod Housings	12 Housing Welds	8 Housing Welds	67%	Yes
B-P	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT			
B-Q	Steam Generator Tubing	N/A	N/A	N/A	N/A
F-A F1.10 & F1.40 items.	Class 1 Component Supports (Except Snubbers)	37 Supports	24 Supports	65%	No
F-A F1.50 items.	Class 1 Component Supports, Snubbers				(2)

Weld Overlay per Section XI Appendix Q

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed
Q-A	Q1.1 items Weld Overlay	2	0	0%

(1)Deferral of inspection to the end of the interval as allowed by ASME Section XI Table IWB-2500-1.
(2) Inspected under Selected License Commitment 16.9.18 per Relief Request 03-006.

Class 2 Inspections

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed
C-A	Pressure Retaining Welds in Pressure Vessels	11 Welds	7 Welds	64%
C-B	Pressure Retaining Nozzle Welds in Vessels	4 Welds	3 Welds	75%
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	(2) 41 Attachments	25 Attachments	61%
C-D	Pressure Retaining Bolting Greater Than 2 Inches in Diameter	2 Items	1 Items	50%
C-F-1	Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping	(3) 160 Welds	95 Welds	59%
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	65 Welds (4)	43 Welds	66%
C-G	Pressure Retaining Welds in Pumps and Valves	N/A	N/A	N/A
C-H	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT		
F-A F1.20 & F1.40 items.	Class 2 Component Supports (Except Snubbers)	141 Supports (5)	89 Supports	63%
F-A F1.50 items	Class 2 Component Supports, Snubbers			(1)

(1) Inspected under Selected License Commitment 16.9.18 per Relief Request 03-006.
(2) Totals changed from 38 in EOC-23 to 41 in EOC-24 due to supports being added. See Plan Addenda ONS2-089 for details on the changes.
(3) Totals changed from 164 in EOC-23 to 160 in EOC-24 due to adopting Code Case N-663. See Plan Addenda ONS2-091, and PIP G-08-00185 for details on the changes.
(4) Totals changed from 66 in EOC-23 to 65 in EOC-24 due to adopting Code Case N-663. See Plan Addenda ONS2-091, and PIP G-08-00185 for details on the changes.
(5) Totals changed from 137 in EOC-23 to 141 in EOC-24 due to adding supports to schedules. See Plan Addenda ONS2-089, and ONS2-096 for details on the changes.

Augmented/Elective Inspections

Summary Number	*Description*	*Percentage Complete*
O2.B4.30	Head with Nozzles and Partial Penetration Welds, Bare Metal Visual per Code Case N-729-1	None scheduled for EOC 24
O2.B4.40	Head with nozzles and Partial Penetration Welds, Volumetric/Surface exam per Code Case N-729-1	None scheduled for EOC 24
O2.B15.80	Reactor Vessel Bottom Head Bare Metal Visual per Code Case N-722	100% of EOC 24 Requirements
O2.B15.210	Hot Leg Full Penetration Weld, Bare Metal Visual per Code Case N-722	100% of EOC 24 Requirements
O2.B15.215	Cold Leg Full Penetration Weld, Bare Metal Visual per Code Case N-722	100% of EOC 24 Requirements
O2.G1.1	Reactor Coolant Pump Flywheel	100% of EOC 24 Requirements
O2.G2.1	HPI Nozzle Safe End Examinations	100% of EOC 24 Requirements
O2.G3.1	Pressurizer Surge Line Examinations	None scheduled for EOC 24
O2.G4.1	Thermal Stress Piping (NRC Bulletin 88-08)	100% of EOC 24 Requirements
O2.G12.1	UT Examination per MRP-139	100% of EOC 24 Requirements
O2.G12.2	UT Examination per MRP-139	100% of EOC 24 Requirements
O2.G14.1	VT MRP-139	100% of EOC-24 Requirements
O2.G16.1	UT Examination per MRP-146	100% of EOC-24 Requirements
O2.H2.1	Class 1 RTE Mounting Bosses	None scheduled for EOC 24
O2.H3.1	Main Feedwater Piping in the East and West Penetration Rooms per QA-513J (ER-ONS-04-03)	100% of EOC 24 Requirements
O2.H4.1	Main Feedwater and Main Steam Piping Supports and Attachment Welds per QA-513J (ER-ONS-04-05)	100% of EOC 24 Requirements
O2.H5.1	East Penetration Main Feedwater piping welds and attachments	100% of EOC 24 Requirements
O2.H6.1	Main Feedwater rupture restraint attachment welds	None scheduled for EOC 24

3.0 Final Inservice Inspection Plan

The final Inservice Inspection Plan shown in this section lists all ASME Section XI Class 1, Class 2, Class 3, Appendix Q, Augmented, and Elective examinations credited for this report period.

DUKE ENERGY
NUCLEAR TECHNICAL SERVICES
Inservice Inspection Database Management System
Plan Report
Oconee 2, 4th Interval, Outage 4 (EOC-24)

This report includes all changes through addendum ONS2-107

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0001	2RC-278-66								
	Class 1 50	2RC-278	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		---
		OM 1201-1469							
Dissimilar		OM 1201-1472							

Pipe to Safe End

1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "A" Hot Leg.
(Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.)
Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4.
Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722.
Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components.
Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage."
This B15.210 item is to be examined each refueling outage.
For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0002	2RC-278-70V								
	Class 1 50	2RC-278 OM 1201-1469	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		---
Dissimilar		OM 120-1472							
			Pipe to Safe End 1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "A" Hot Leg. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						
O2.B15.210.0003	2RC-277-50								
	Class 1 50	2RC-277 OM 1201-1469	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		---
Dissimilar		OM 120-1472							
			Pipe to Safe End 1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "B" Hot Leg. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0004	2RC-277-71V								
	Class 1 50	2RC-277 OM 1201-1469	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		---
Dissimilar		OM 120-1472							
			Pipe to Safe End 1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "B" Hot Leg. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						
O2.B15.210.0005	2RC-278-23								
	Class 1 50	2RC-278 OM 1201-1469	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		---
Dissimilar		OM 120-1472							
			Pipe to Safe End .075 inch ID HL SB-167 Flowmeter Nozzle SE to CS Nozzle weld and SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) This weld is located on piping that branches off of "A" Hot Leg. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						

Summary Num	Component ID *Class / System*	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0006	2RC-278-69								
	Class 1 50	2RC-278	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		---
		OM 1201-1469							
Dissimilar		OM 120-1472							
			Pipe to Safe End .075 inch ID HL SB-167 Flowmeter Nozzle SE to CS Nozzle weld and SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) This weld is located on piping that branches off of "A" Hot Leg. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						
O2.B15.210.0007	2RC-277-24								
	Class 1 50	2RC-277	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		---
		OM 1201-1469							
Dissimilar		OM 120-1472							
			Pipe to Safe End .075 inch ID HL SB-167 Flowmeter Nozzle SE to CS Nozzle weld and SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) This weld is located on piping that branches off of "B" Hot Leg. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						

Summary Num	Component ID *Class / System*	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0008	2RC-277-70								
	Class 1 50	2RC-277	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		---
		OM 1201-1469							
Dissimilar		OM 120-1472							
			Pipe to Safe End .075 inch ID HL SB-167 Flowmeter Nozzle SE to CS Nozzle weld and SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) This weld is located on piping that branches off of "B" Hot Leg. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						
O2.B15.210.0009	2-PHA-13								
	Class 1 50	ISI-OCN2-005	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		---
		OM 1201-1469							
Dissimilar		OM 1201-1472							
			Pipe to Pipe RTE Mounting Boss SB-166 to 690 Drywell Weld on 2A Hotleg (X-Axis) Hot Leg (Piece 7) to RTE Mounting Boss (piece 12). Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0010	2-PHA-14 Class 1 50	ISI-OCN2-005 OM 1201-1469	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		---
Dissimilar		OM 1201-1472							
			Pipe to Pipe RTE Mounting Boss SB-166 to 690 Drywell Weld on 2A Hotleg (Y-Z Axis) Hot Leg (Piece 7) to RTE Mounting Boss (piece 12). Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						
O2.B15.210.0011	2-PHA-15 Class 1 50	ISI-OCN2-005 OM 1201-1469	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		---
Dissimilar		OM 1201-1472							
			Pipe to Pipe RTE Mounting Boss SB-166 to 690 Drywell Weld on 2A Hotleg (Z-W Axis) Hot Leg (Piece 7) to RTE Mounting Boss (piece 12). Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0012	2-PHB-13 Class 1 50	ISI-OCN2-006 OM 1201-1469	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		---
Dissimilar		OM 1201-1472							
			Pipe to Pipe RTE Mounting Boss SB-166 to 690 Drywell Weld on 2B Hotleg (X Axis) Hot Leg (Piece 7) to RTE Mounting Boss (piece 12). Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						
O2.B15.210.0013	2-PHB-14 Class 1 50	ISI-OCN2-006 OM 1201-1469	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		---
Dissimilar		OM 1201-1472							
			Pipe to Pipe RTE Mounting Boss SB-166 to 690 Drywell Weld on 2B Hotleg (Y-Z Axis) Hot Leg (Piece 7) to RTE Mounting Boss (piece 12). Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0014	2-PHB-15								
	Class 1 50	ISI-OCN2-006	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		---
		OM 1201-1469							
Dissimilar		OM 1201-1472							
			Pipe to Pipe RTE Mounting Boss SB-166 to 690 Drywell Weld on 2B Hotleg (Z-W Axis) Hot Leg (Piece 7) to RTE Mounting Boss (piece 12). Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						
O2.B15.210.0015	2SGA-HL-CON-36								
	Class 1 50	OM-1201-0103.001	NDE-68	VT-2	CS-Inconel				---
		O-ISIN4-100A-2.1							
Dissimilar		OM-1201-1472.001							
			RTE Hot Leg Thermal Well Steam Generator A Hot Leg Connection # 36 on drawing OM 1201-0103.001 and Mark # 10 on drawing OM-1201-1472.001. Abandoned RTE Thermal Well Connection. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. *For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.*						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0016	2SGB-HL-CON-27								
	Class 1 50	OM-1201-0103.001 O-ISIN4-100A-2.1	NDE-68	VT-2	CS-Inconel				---
Dissimilar		OM-1201-1472.001							
			RTE Hot Leg Thermal Well Steam Generator B Hot Leg Connection # 27 on drawing OM 1201-0103.001 and Mark # 10 on drawing OM-1201-1472.001 Abandoned RTE Thermal Well Connection Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						
O2.B15.215.0003	2-PIB1-11								
	Class 1 50	ISI-OCN2-009 B&W146635E	NDE-68	VT-2	CS-Inconel		0.672 / 3.500		---
Dissimilar Stress Weld									
			Nozzle to Safe End Reactor Coolant Pump 2B1 Suction Piping. Nozzle Pc. 87 to Safe End Pc. 88. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This item is to be examined once per interval. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.215.0004	2-51A-35-15A Class 1 51A	2-51A-35 (1) O-ISIN4-100A-2.1	NDE-68	VT-2	SS-Inconel		0.375 / 2.500		---
Dissimilar Stress Weld			Elbow to Pipe Reactor Coolant Pump 2B1 Suction Piping. Nozzle Pc. 87 and Safe End Pc. 88 to elbow weld. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This item is to be examined once per interval. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.					
O2.B15.215.0007	2-PIB1-7 Class 1 50	ISI-OCN2-009 OM-1201-966	NDE-68	VT-2	SS-CS		2.330 / 33.500		---
Dissimilar Stress Weld			Pipe to Safe End Reactor Coolant Pump 2B1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This item is to be examined once per interval. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.					

Summary Num	Component ID *Class / System*	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.215.0008	2-PIB2-7 Class 1 50	ISI-OCN2-010 OM-1201-966	NDE-68	VT-2	SS-CS		2.330 / 33.500		---
Dissimilar Stress Weld			Pipe to Safe End Reactor Coolant Pump 2B2 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This item is to be examined once per interval. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.					
O2.B15.215.0011	2-PDB1-2 Class 1 50	ISI-OCN2-013 OM-1201-966	NDE-68	VT-2	SS-CS		2.330 / 33.500		---
Dissimilar Stress Weld			Safe End to Elbow Reactor Coolant Pump 2B1 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This item is to be examined once per interval. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.					

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.215.0012 Dissimilar Stress Weld	2-PDB2-2 Class 1 50	ISI-OCN2-014 OM-1201-966	NDE-68 Safe End to Elbow Reactor Coolant Pump 2B2 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This item is to be examined once per interval. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.	VT-2	SS-CS		2.330 / 33.500		---
O2.B15.215.0020 Dissimilar Stress Weld	2-PIB2-11 Class 1 50	ISI-OCN2-010 B&W146823E	NDE-68 Nozzle to Safe End Reactor Coolant Pump 2B2 Suction Piping. Nozzle Pc. 64 to Safe End Pc. 65. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. *Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of* four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This item is to be examined once per interval. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division. This exam was moved from EOC25 to EOC-24 per request from Jay Eaton at Oconee. Chris Cruz was in agreement with the schedule being changed. See Plan Addenda ONS2-102. (See PIP O-10-2864)	VT-2	CS-Inconel		0.816 / 3.500		---

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.215.0021	2-50-7-8 Class 1 50	2-50-7 (2) O-ISIN4-100A-2.1	NDE-68	VT-2	SS-Inconel		0.281 / 1.500		---
Dissimilar			Elbow to Nozzle Reactor Coolant Pump 2B2 Suction Drain Piping. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This item is to be examined once per interval. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division. This exam was moved from EOC25 to EOC-24 per request from Jay Eaton at Oconee. Chris Cruz was in agreement with the schedule being changed. See Plan Addenda ONS2-102. (See PIP O-10-2864)						
O2.B15.215.0026	2-PIB1-12 Class 1 50	ISI-OCN2-009 OM-1201-1521	NDE-68	VT-2	CS-Inconel		2.250 / 8.750		---
Dissimilar			Nozzle to Pipe RTE Mounting Boss Pc.58 to Pipe Pc.56 located on Pump 2B1 Suction Piping. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This item is to be examined once per interval. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division. This exam was moved from EOC26 to EOC-25 per request from Max Hipps at Oconee. Chris Cruz was in agreement with the schedule being changed. See Plan addenda ONS2-101. This exam was moved from EOC25 to EOC-24 per request from Jay Eaton at Oconee. Chris Cruz was in agreement with the schedule being changed. See Plan Addenda ONS2-102. (See PIP O-10-2864)						

Summary Num-	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.215.0027	2-PIB2-12 Class 1 50	*ISI-OCN2-010* OM-1201-1521	*NDE-68*	VT-2	CS-Inconel		*2.250 / 8.750*		---
Dissimilar			Nozzle to Pipe RTE Mounting Boss Pc.58 to Pipe Pc.56 located on Pump 2B2 Suction Piping. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This item is to be examined once per interval. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division. This exam was moved from EOC26 to EOC-25 per request from Max Hipps at Oconee. Chris Cruz was in agreement with the schedule being changed. See Plan addenda ONS2-101. This exam was moved from EOC25 to EOC-24 per request from Jay Eaton at Oconee. Chris Cruz was in agreement with the schedule being changed. See Plan Addenda ONS2-102. (See PIP O-10-2864)						
O2.B15.80.0001	2-RPV-BMI-NOZZLES Class 1 50	O-ISIN4-100A-2.1	NDE-68	VT-2	CS/Alloy 690		0.000 / 0.000		---
Dissimilar			RPV Bottom Head BMI Nozzles Per the requirements of 10 CFR 50.55a(g)(6)(ii)(E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector of the BMI Nozzles per the requirements of Code Case N-722. (Item Number B15.80). B15.80 items, bare metal visual examinations are on the reactor vessel bottom head, bottom mounted instrument nozzles and alloy 600 transition weld between the alloy 600 tube and the stainless steel tube. B15.80 items are to be examined every other refueling outage from the start date. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." Procedure NDE-68 in conjunction with MP/O/A/1150/030 should be used to perform the Bare Metal Visual inspection. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G1.1.0001	2-RCP-2A1 Class 1 50	OM-201D-038 O-ISIN4-100A-2.1	NDE-900 RCP 2A1 Flywheel. Reference Section 7 of the ISI Plan, General Requirements. --(G01.001.001A)Whenever maintenance or repair activities necessitate flywheel removal, a surface examination of exposed surfaces and a complete volumetric examination shall be performed if the interval measured from the previous such inspection is greater than 6 2/3 years.	UT	CS		9.500 / 72.000	Component	G01.001.001, G01.001.001A
O2.G1.1.0005	2-RCP-2A2 Class 1 50	OM-201D-038 O-ISIN4-100A-2.1	NDE-900 RCP 2A2 Flywheel. Reference Section 7 of the ISI Plan, General Requirements. -- (G01.001.002A) Whenever maintenance or repair activities necessitate flywheel removal, a surface examination of exposed surfaces and a complete volumetric examination shall be performed if the interval measured from the previous such inspection is greater than 6 2/3 years.	UT	CS		9.500 / 72.000	Component	G01.001.002, G01.001.002A
O2.G1.1.0006	2-RCP-2B1 Class 1 50	OM-201D-038 O-ISIN4-100A-2.1	NDE-900 RCP 2B1 Flywheel. Reference Section 7 of the ISI Plan, General Requirements. -- (G01.001.003A) Whenever maintenance or repair activities necessitate flywheel removal, a surface examination of exposed surfaces and a complete volumetric examination shall be performed if the interval measured from the previous such inspection is greater than 6 2/3 years.	UT	CS		9.500 / 72.000	Component	G01.001.003, G01.001.003A
O2.G1.1.0007	2-RCP-2B2 Class 1 50	OM-201D-038 O-ISIN4-100A-2.1	NDE-900 RCP 2B2 Flywheel. Reference Section 7 of the ISI Plan, General Requirements. -- (G01.001.004A) Whenever maintenance or repair activities necessitate flywheel removal, a surface examination of exposed surfaces and a complete volumetric examination shall be performed if the interval measured from the previous such inspection is greater than 6 2/3 years.	UT	CS		9.500 / 72.000	Component	G01.001.004, G01.001.004A
O2.G12.1.0005 Circumferential Dissimilar	2-PDB2-11 Class 1 50	ISI-OCN2-014 B&W146629E O-ISIN4-100A-2.1	PDI-UT-10 Nozzle to Safe End 2B2 HPI Nozzle Pc.46 to Safe End Pc.47. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 5 years between examinations.	UT	SS-CS		0.750 / 3.500	40416 Component	G12.001.00

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G12.2.0001 Circumferential Terminal End Dissimilar	2-RPV-WR53 Class 1 50	ISI-OCN2-001 OM-1201-1528	54-ISI-823 Nozzle to Safe End RV A-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. W-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.	UT	SS-CS		1.688 / 15.625	8034675	G12.002.00
O2.G12.2.0002 Circumferential Terminal End Dissimilar	2-RPV-WR53A Class 1 50	ISI-OCN2-001 OM-1201-1528	54-ISI-823 Nozzle to Safe End RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.	UT	SS-CS		1.688 / 15.625	8034675	G12.002.00
O2.G12.2.0005 Circumferential Dissimilar Stress Weld	2-PIA1-7 Class 1 50	ISI-OCN2-007 OM-1201-966	EPRI-DMW-PA-1 Pipe to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.	UT	SS-CS		3.000 / 33.500	40350 40397	G12.002.00

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G12.2.0006 Circumferential Dissimilar Stress Weld	2-PIA2-7 Class 1 50	ISI-OCN2-008 OM-1201-966	EPRI-DMW-PA-1 Pipe to Safe End Reactor Coolant Pump 2A2 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.	UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.00
O2.G12.2.0007 Circumferential Dissimilar Stress Weld	2-PIB1-7 Class 1 50	ISI-OCN2-009 OM-1201-966	EPRI-DMW-PA-1 Pipe to Safe End Reactor Coolant Pump 2B1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.	UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.00
O2.G12.2.0008 Circumferential Dissimilar Stress Weld	2-PIB2-7 Class 1 50	ISI-OCN2-010 OM-1201-966	EPRI-DMW-PA-1 Pipe to Safe End Reactor Coolant Pump 2B2 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.	UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.00

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G12.2.0009 Circumferential Dissimilar Stress Weld	2-PDA1-2 Class 1 50	ISI-OCN2-011 OM-1201-966	EPRI-DMW-PA-1 Safe End to Elbow Reactor Coolant Pump 2A1 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.	UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.00
O2.G12.2.0010 Circumferential Dissimilar Stress Weld	2-PDA2-2 Class 1 50	ISI-OCN2-012 OM-1201-966	EPRI-DMW-PA-1 Safe End to Elbow Reactor Coolant Pump 2A2 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.	UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.01(
O2.G12.2.0011 Circumferential Dissimilar Stress Weld	2-PDB1-2 Class 1 50	ISI-OCN2-013 OM-1201-966	EPRI-DMW-PA-1 Safe End to Elbow Reactor Coolant Pump 2B1 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.	UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.01

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G12.2.0012 Circumferential Dissimilar Stress Weld	2-PDB2-2 Class 1 50	ISI-OCN2-014 OM-1201-966	EPRI-DMW-PA-1 Safe End to Elbow Reactor Coolant Pump 2B2 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.	UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.01
O2.G14.1.0001 Circumferential Dissimilar	2-PZR-THERM Class 1 50	OM 1201-1135 OM 100-1189	NDE-68 Nozzle to Elbow 1.5 inch Thermowell located on the Pressurizer. Augmented Inspection Per Oconee Response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."	VT-2	CS-Inconel		0.250 / 1.000		G14.001.00
O2.G16.1.0001 Dissimilar	2-50-7-8 Class 1 50	2-50-7 (2) O-ISIN4-100A-2.1 ISI-OCN2-010	NDE-995 Elbow to Nozzle Reactor Coolant Pump 2B2, Suction Piping (J-Leg), Safe End Pc. 65 to Elbow. Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection on 2B2 cold leg. This examination is for weld 2-50-7-8. See Figure 1 in procedure NDE-995 for details on the areas to be examined for this weld. NRC Commitment for MRP-146 requires an ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. Examination includes both welds (located at each end of the elbow) and the elbow base metal. Procedure NDE-995 shall be used to perform the UT examination. For additional information, contact Dave Peltola from the Oconee Civil Engineering Section. The welds/areas for G16.1 items are to be examined once every ten years from the start date (Unit 2 EOC-24). The examinations should be performed during refueling outage. See QA-513-J form with tracking number ER-ONS-08-09 for more details.	UT	SS-Inconel		0.281 / 1.900	50202 Component	---

Summary Num	Component ID *Class / System*	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G16.1.0002	2-50-7-9 Class 1 50	2-50-7 (2) O-ISIN4-100A-2.1	NDE-995	UT	SS		0.281 / 1.900	50202 Component	---
			Elbow to Pipe Drain Line Piping that branches off of Reactor Coolant Pump 2B2 Suction Piping (J-Leg). On weld iso 2-50-7(2) examine weld # 9. Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection on 2B2 cold leg. This examination is for weld 2-50-7-9. See Figure 1 in procedure NDE-995 for details on the areas to be examined for this weld.□ NRC Commitment for MRP-146 requires an ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. Examination includes both welds (located at each end of the elbow) and the elbow base metal. Procedure NDE-995 shall be used to perform the UT examination. For additional information, contact Dave Peltola from the Oconee Civil Engineering Section. The welds/areas for G16.1 items are to be examined once every ten years from the start date (Unit 2 EOC-24). The examinations should be performed during refueling outage. See QA-513-J form with tracking number ER-ONS-08-09 for more details.						
O2.G16.1.0003	2-50-7-ELBOW Class 1 50	2-50-7 (2) O-ISIN4-100A-2.1	NDE-995	UT	SS		0.281 / 1.900	50202 Component	---
Dissimilar			Elbow Base Metal Drain Line Piping that branches off of Reactor Coolant Pump 2B2 Suction Piping (J-Leg) . On weld iso 2-50-7(2) examine the elbow base metal on the elbow associated with welds 8 and 9. Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection on 2B2 cold leg. This examination is for the elbow base metal on the elbow associated with welds 8 and 9. See Figure 5 in procedure NDE-995 for details on the areas to be examined for this elbow.□ NRC Commitment for MRP-146 requires an ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. Examination includes both welds (located at each end of the elbow) and the elbow base metal. Procedure NDE-995 shall be used to perform the UT examination. For additional information, contact Dave Peltola from the Oconee Civil Engineering Section. The welds/areas for G16.1 items are to be examined once every ten years from the start date (Unit 2 EOC-24). The examinations should be performed during refueling outage. See QA-513-J form with tracking number ER-ONS-08-09 for more details.						

Summary Num / Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug								
O2.G2.1.0001 2-PDB1-46 Class 1 50	ISI-OCN2-013 B&W146629E O-ISIN4-100A-2.1	NDE-680	UT	CS		2.500 / 3.500	40410 40350	G02.001.005C
		2B1 HPI Nozzle Pc.46. Perform UT on the nozzle inside radius (knuckle area). Reference Section 7 of the ISI Plan, General Requirments. This schedule cannot be changed without Engineering approval.						
O2.G2.1.0002 2-PDA2-46 Class 1 50	ISI-OCN2-012 B&W146629E O-ISIN4-100A-2.1	NDE-680	UT	CS		2.500 / 3.500	40410 40350	G02.001.005E
		2A2 Make-Up Nozzle Pc.46. Perform UT on the nozzle inside radius (knuckle area). Reference Section 7 of the ISI Plan, General Requirments. This schedule cannot be changed without Engineering approval.						
O2.G2.1.0003 2-PDA1-46 Class 1 50	ISI-OCN2-011 B&W146629E O-ISIN4-100A-2.1	NDE-680	UT	CS		2.500 / 3.500	40410 40350	G02.001.005A
		2A1 Make-Up Nozzle Pc.46. Perform UT on the nozzle inside radius (knuckle area). Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.						
O2.G2.1.0004 2-PDB2-46 Class 1 50	ISI-OCN2-014 B&W146629E O-ISIN4-100A-2.1	NDE-680	UT	CS		2.500 / 3.500	40410 40350	G02.001.005D
		2B2 HPI Nozzle Pc.46. Perform UT on the nozzle inside radius (knuckle area). Reference Section 7 of the ISI Plan, Genera1 Requirements. This schedule cannot be changed without Engineering approval.						
O2.G2.1.0005 2-PDA1-11 Class 1 50 Circumferential Dissimilar	ISI-OCN2-011 B&W146629E O-ISIN4-100A-2.1	PDI-UT-10	UT	SS-CS		0.750 / 3.500	40416	G02.001.006A
		Nozzle to Safe End 2A1 Make-Up Nozzle Pc.46 to Safe End Pc.47. Perform UT on the nozzle to safe end weld. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. This weld was cut out and welded back in EOC-20. The new weld is also listed as weld 29 on rev . 11 of iso 2RC-204.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G2.1.0006	2-PDA2-11								
	Class 1 50	ISI-OCN2-012	PDI-UT-10	UT	SS-CS		0.750 / 3.500	40416	G02.001.006E
Circumferential		B&W146629E							
Dissimilar		O-ISIN4-100A-2.1							
			Nozzle to Safe End						
			2A2 Make-Up Nozzle Pc.46 to Safe End Pc.47. Perform UT on the nozzle to safe end weld. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. This weld was cut out and welded back in EOC-20. The new weld is also listed as weld 22 on rev . 10 of iso 2RC-203.						
O2.G2.1.0007	2-PDB2-11								
	Class 1 50	ISI-OCN2-014	PDI-UT-10	UT	SS-CS		0.750 / 3.500	40416	G02.001.006D
Circumferential		B&W146629E							
Dissimilar		O-ISIN4-100A-2.1							
			Nozzle to Safe End						
			2B2 HPI Nozzle Pc.46 to Safe End Pc.47. Perform UT on the nozzle to safe end weld. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.						
O2.G2.1.0008	2-PDB1-11								
	Class 1 50	ISI-OCN2-013	PDI-UT-10	UT	SS-CS		0.750 / 3.500	40416	G02.001.006C
Circumferential		B&W146629E							
Dissimilar		O-ISIN4-100A-2.1							
			Nozzle to Safe End						
			2B1 HPI Nozzle Pc.46 to Safe End Pc.47. Perform UT on the nozzle to safe end weld. This weld was cut out and welded back in EOC-20. The new weld is also listed as weld 16 on rev . 8 of iso 2RC-202. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.						
O2.G2.1.0009	2-PDB1-47								
	Class 1 50	ISI-OCN2-013 B&W146629E O-ISIN4-100A-2.1	PDI-UT-10	UT	SS		0.750 / 3.500	40416	G02.001.007C
			Safe End Pc.47 adjoining HPI Nozzle 2B1. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.						

Summary Num	Component ID *Class / System*	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G2.1.0010	2-PDB2-47 Class 1 50	ISI-OCN2-014 B&W146629E O-ISIN4-100A-2.1	PDI-UT-10	UT	SS		0.750 / 3.500	40416	G02.001.007D
			Safe End Pc.47 adjoining HPI Nozzle 2B2. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.						
O2.G2.1.0011	2-PDA1-47 Class 1 50	ISI-OCN2-011 B&W146629E O-ISIN4-100A-2.1	PDI-UT-10	UT	SS		0.750 / 3.500	40416	G02.001.007A
			Safe End Pc.47 adjoining Make-Up Nozzle 2A1. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.						
O2.G2.1.0012	2-PDA2-47 Class 1 50	ISI-OCN2-012 B&W146629E O-ISIN4-100A-2.1	PDI-UT-10	UT	SS		0.750 / 3.500	40416	G02.001.007E
			Safe End Pc.47 adjoining Make-Up Nozzle 2A2. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.						
O2.G2.1.0013	2RC-204-37 Class 1 50	2RC-204 B&W146629E O-ISIN4-100A-2.1	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G02.001.008A
Circumferential			Safe End to Pipe Make-Up Nozzle 2A1. Perform UT on weld 2RC-204-31 and adjoining base metal out to weld 2RC-204-20 (at valve 2HP-127). Weld 2RC-204-18 was cut out and replaced with weld 2RC-204-28 during EOC-20. Weld 2RC-204-28 was cut out and replaced with weld 2RC-204-37 during EOC-23. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.029(O2.G4.1.0024).						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G2.1.0014	2RC-202-17								
	Class 1 50	2RC-202 B&W146629E	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G02.001.008C
Circumferential		O-ISIN4-100A-2.1							
			Safe End to Pipe HPI Nozzle 2B1. Perform UT on weld 2RC-202-17 and adjoining base metal out to weld 2RC-202-19 (at valve 2HP-153). Reference Section 7 of the ISI Plan, General Requirements. Weld 2RC-202-1 was cut out and replaced with weld 2RC-202-17 during EOC-20. This schedule cannot be changed without Engineering approval. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.001.						
O2.G2.1.0015	2RC-203-32								
	Class 1 50	2RC-203 B&W146629E	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G02.001.008E
Circumferential		O-ISIN4-100A-2.1							
			Safe End to Pipe Make-Up Nozzle 2A2. Perform UT on weld 2RC-203-31 and adjoining base metal out to weld 2RC-203-3 (at valve 2HP-126). Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. Weld 2RC-203-2 was cut out and replaced with weld 2RC-203-21 during EOC-20. Weld 2RC-203-21 was cut out and replaced with weld 2RC-203-32 during EOC-23. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.027(Summary Number O2.G4.1.0022).						
O2.G2.1.0016	2RC-205-1								
	Class 1 50	2RC-205 B&W146629E	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G02.001.008E
Circumferential		O-ISIN4-100A-2.1							
			Safe End to Pipe HPI Nozzle 2B2. Perform UT on weld 2RC-205-1 and adjoining base metal out to weld 2RC-205-3 (at valve 2HP-152). Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.004.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G2.1.0017	2RC-203-3								
	Class 1 50	2RC-203 B&W146629E	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G02.001.010E
Circumferential		O-ISIN4-100A-2.1							
			Pipe to Valve Make-Up Nozzle 2A2. Perform UT on weld 2RC-203-3 at valve 2HP-126. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.028.						
O2.G2.1.0018	2RC-202-19								
	Class 1 50	2RC-202 B&W146629E	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G02.001.010C
Circumferential		O-ISIN4-100A-2.1							
			Pipe to Valve HPI Nozzle 2B1. Perform UT on weld 2RC-202-19 at valve 2HP-153. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. Weld 2RC-202-3 was cut out and replaced with weld 2RC-202-19 during EOC-20. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.003.						
O2.G2.1.0019	2RC-204-20								
	Class 1 50	2RC-204 B&W146629E	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G02.001.010A
Circumferential		O-ISIN4-100A-2.1							
			Pipe to Valve Make-Up Nozzle 2A1. Perform UT on weld 2RC-204-20 at valve 2HP-127. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.030.						
O2.G2.1.0020	2RC-205-3								
	Class 1 50	2RC-205 B&W146629E	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G02.001.010E
Circumferential		O-ISIN4-100A-2.1							
			Pipe to Valve HPI Nozzle 2B2. Perform UT on weld 2RC-205-3 at valve 2HP-152. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.006.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G2.1.0021	2A2 THERM-SLEEVE								
	Class 1 50	ISI OCN2-012	NDE-105	RT	SS		0.750 / 3.500		G02.001.011E
Circumferential		B&W146629E							
		O-ISIN4-100A-2.1							
			Make-Up Nozzle 2A2. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in Procedure NDE-105. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.						
O2.G2.1.0022	2B1 THERM-SLEEVE								
	Class 1 50	ISI OCN2-013	NDE-105	RT	SS		0.750 / 3.500		G02.001.011C
Circumferential		B&W146629E							
		O-ISIN4-100A-2.1							
			HPI Nozzle 2B1. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in Procedure NDE-105. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.						
O2.G2.1.0023	2A1 THERM-SLEEVE								
	Class 1 50	ISI OCN2-011	NDE-105	RT	SS		0.750 / 3.500		G02.001.011A
Circumferential		B&W146629E							
		O-ISIN4-100A-2.1							
			Make-Up Nozzle 2A1. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in Procedure NDE-105. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.						
O2.G2.1.0024	2B2 THERM-SLEEVE								
	Class 1 50	ISI OCN2-014	NDE-105	RT	SS		0.750 / 3.500		G02.001.011D
Circumferential		B&W146629E							
		O-ISIN4-100A-2.1							
			HPI Nozzle 2B2. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in Procedure NDE-105. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.						
O2.G4.1.0001	2RC-202-17								
	Class 1 51A	2RC-202	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.00
		O-ISIN4-100A-2.1							
Circumferential									
			Pipe to Safe End Inspect 100% of weld &1" of base material (axial & circumferential). This weld was listed previously as 2-51A-39-90C until iso 2-51A-39 was redrawn. Reference Section 7 of the ISI Plan, General Requirements. Weld 2RC-202-1 was cut out and replaced with weld 2RC-202-17 during EOC-20. Note: The inspection performed for G02.001.008C will satisfy the requirements for this G04 inspection.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G4.1.0002	2RC-202-19 Class 1 51A	2RC-202 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.00
Circumferential									
			Pipe to Valve 2HP-153 Inspect 100% of weld &1" of base material (axial & circumferential). This weld was listed previously as 2-51A-39-91 until iso 2-51A-39 was redrawn. Reference Section 7 of the ISI Plan, General Requirements. Weld 2RC-202-3 was cut out and replaced with weld 2RC-202-19 during EOC-20. Note: The inspection performed for G02.001.010C will satisfy the requirements for this G04 inspection.						
O2.G4.1.0003	2RC-205-1 Class 1 51A	2RC-205 O-ISIN4-100A-2.1	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.00
Circumferential									
			Pipe to Safe-End Inspect 100% of weld &1" of base material (axial & circumferential). This weld was listed previously as 2-51A-39-92A until iso 2-51A-39 was redrawn. Reference Section 7 of the ISI Plan, General Requirements. Note: The inspection performed for G02.001.008D will satisfy the requirements for this G04 inspection.						
O2.G4.1.0004	2RC-205-3 Class 1 51A	2RC-205 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.00
Circumferential									
			Pipe to Valve 2HP-152 Inspect 100% of weld &1" of base material (axial & circumferential). This weld was listed previously as 2-51A-39-93 until iso 2-51A-39 was redrawn. Reference Section 7 of the ISI Plan, General Requirements. Note: The inspection performed for G02.001.010D will satisfy the requirements for this G04 inspection.						
O2.G4.1.0005	2HP-218-18 Class 1 51A	2HP-218 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.00
Circumferential									
			Elbow to Pipe Inspect 100% of weld &1" of base material (axial & circumferential). This weld was listed previously as 2-51A-27-73 until iso 2-51A-27 (2) was redrawn. Reference Section 7 of the ISI Plan, General Requirements. Hanger 51A-0-1479A-H13B needs to be moved in order to perform the examination for O2.G4.1.0005.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G4.1.0006	2HP-214-13								
	Class 1 51A	2HP-214 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.01(
Circumferential									
			Pipe to Elbow Inspect 100% of weld &1" of base material (axial & circumferential). This weld was listed previously as 2-51A-27-108 until iso 2-51A-27 (3) was redrawn. Reference Section 7 of the ISI Plan, General Requirements.						
O2.G4.1.0007	2HP-214-15								
	Class 1 51A	2HP-214 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.01
Circumferential									
			Pipe to Valve 2HP-488 Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was originally 2-51A-27-110. It was cut out during outage 15 and replaced as 2HP-214-15. Reference Section 7 of the ISI Plan, General Requirements.						
O2.G4.1.0008	2RC-202-4								
	Class 1 51A	2RC-202 O-ISIN4-101A-2.4	NDE-12	RT	SS		0.375 / 2.500		G04.001.01
Circumferential									
			Valve 2HP-488 to Valve 2HP-153 Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.						
O2.G4.1.0008	2RC-202-4								
	Class 1 51A	2RC-202 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.01
Circumferential									
			Valve 2HP-488 to Valve 2HP-153 Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G4.1.0009 Circumferential	2RC-203-4 Class 1 51A	2RC-203 O-ISIN4-101A-2.4	NDE-12	RT	SS		0.375 / 2.500		G04.001.01
			Valve 2HP-486 to Valve 2HP-126 Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.						
O2.G4.1.0009 Circumferential	2RC-203-4 Class 1 51A	2RC-203 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.01
			Valve 2HP-486 to Valve 2HP-126 Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.						
O2.G4.1.0010 Circumferential	2RC-204-4 Class 1 51A	2RC-204 O-ISIN4-101A-2.4	NDE-12	RT	SS		0.375 / 2.500		G04.001.01
			Valve 2HP-487 to Valve 2HP-127 Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.						
O2.G4.1.0010 Circumferential	2RC-204-4 Class 1 51A	2RC-204 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.01
			Valve 2HP-487 to Valve 2HP-127 Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G4.1.0011 Circumferential	2RC-205-4 Class 1 51A	2RC-205 O-ISIN4-101A-2.4	NDE-12	RT	SS		0.375 / 2.500		G04.001.01
			Valve 2HP-489 to Valve 2HP-152 Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.						
O2.G4.1.0011 Circumferential	2RC-205-4 Class 1 51A	2RC-205 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.01
			Valve 2HP-489 to Valve 2HP-152 Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.						
O2.G4.1.0012 Circumferential	2HP-214-14 Class 1 51A	2HP-214 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.01
			Elbow to Pipe Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-27-109 until iso 2-51A-27 (3) was redrawn. Reference Section 7 of the ISI Plan, General Requirements.						
O2.G4.1.0013 Circumferential	2HP-216-7 Class 1 51A	2HP-216 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.01
			Pipe to Elbow Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-30-51 until iso 2-51A-30 was redrawn. Reference Section 7 of the ISI Plan, General Requirements.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G4.1.0014	2HP-216-8								
	Class 1 51A	2HP-216 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.01
Circumferential									
			Elbow to Pipe Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-30-52 until iso 2-51A-30 was redrawn. Reference Section 7 of the ISI Plan, General Requirements.						
O2.G4.1.0015	2HP-216-9								
	Class 1 51A	2HP-216 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.02
Circumferential									
			Pipe to Valve 2HP-486 Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-30-54 until iso 2-51A-30 was redrawn. Reference Section 7 of the ISI Plan, General Requirements.						
O2.G4.1.0016	2HP-217-10								
	Class 1 51A	2HP-217 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.02
Circumferential									
			Pipe to Elbow Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-30-28 until iso 2-51A-30 was redrawn. Reference Section 7 of the ISI Plan, General Requirements.						
O2.G4.1.0017	2HP-217-11								
	Class 1 51A	2HP-217 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.02
Circumferential									
			Elbow to Pipe Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-30-29 until iso 2-51A-30 was redrawn. Reference Section 7 of the ISI Plan, General Requirements.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G4.1.0018 Circumferential	2HP-217-12 Class 1 51A	2HP-217 O-ISIN4-101A-2.4	NDE-995 Pipe to Valve 2HP-487 Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-30-31 until iso 2-51A-30 was redrawn. Reference Section 7 of the ISI Plan, General Requirements.	UT	SS		0.375 / 2.500	Component 40378	G04.001.02
O2.G4.1.0019 Circumferential	2HP-218-20 Class 1 51A	2HP-218 O-ISIN4-101A-2.4	NDE-995 Pipe to Elbow Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-27-79 until iso 2-51A-27 (2) was redrawn. Reference Section 7 of the ISI Plan, General Requirements.	UT	SS		0.375 / 2.500	Component 40378	G04.001.02
O2.G4.1.0020 Circumferential	2HP-218-21 Class 1 51A	2HP-218 O-ISIN4-101A-2.4	NDE-995 Elbow to Pipe Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-27-80 until iso 2-51A-27 (2) was redrawn. Reference Section 7 of the ISI Plan, General Requirements.	UT	SS		0.375 / 2.500	Component 40378	G04.001.02
O2.G4.1.0021 Circumferential	2HP-218-22 Class 1 51A	2HP-218 O-ISIN4-101A-2.4	NDE-995 Pipe to Valve 2HP-489 Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements.	UT	SS		0.375 / 2.500	Component 40378	G04.001.02

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G4.1.0022 Circumferential	2RC-203-32 Class 1 50	2RC-203 B&W146629E O-ISIN4-100A-2.1	NDE-995 *Safe End to Pipe* Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements. Weld 2RC-203-2 was cut out and replaced with weld 2RC-203-21 during EOC-20. Weld 2RC-203-21 was cut out and replaced with weld 2RC-203-32 during EOC-23. Note: The inspection performed for G02.001.008B(O2.G2.1.0015) will satisfy the requirements for this G4 (O2.G4.1.0022) inspection.	UT	SS		0.375 / 2.500	Component 40378	G04.001.027
O2.G4.1.0023 Circumferential	2RC-203-3 Class 1 50	2RC-203 B&W146629E O-ISIN4-100A-2.1	NDE-995 Pipe to Valve 2HP-126 Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements. Note: The inspection performed for G02.001.010B will satisfy the requirements for this G04 inspection.	UT	SS		0.375 / 2.500	Component 40378	G04.001.028
O2.G4.1.0024 Circumferential	2RC-204-37 Class 1 50	2RC-204 B&W146629E O-ISIN4-100A-2.1	NDE-995 Safe End to Pipe Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements. Weld 2RC-204-18 was cut out and replaced with weld 2RC-204-28 during EOC-20. Weld 2RC-204-28 was cut out and replaced with weld 2RC-204-37 during EOC-23 per Revison 15 of Iso 2RC-204. Note: The inspection performed for G02.001.008A(Summary Number O2.G2.1.0013) will satisfy the requirements for this G4 inspection.	UT	SS		0.375 / 2.500	Component 40378	G04.001.029

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G4.1.0025 Circumferential	2RC-204-20 Class 1 50	2RC-204 B&W146629E O-ISIN4-100A-2.1	NDE-995 Pipe to Valve 2HP-127 Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements. Inspect this weld at the same time item number G02.001.010A is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.	UT	SS		0.375 / 2.500	Component 40378	G04.001.03(
Category B-B									
O2.B2.11.0002 Circumferential	2-PZR-WP28 Class 1 50	ISI-OCN2-002 OM-1201-456	PDI-UT-7 Head to Htr. Belt Shell / Forging Pressurizer Lower Head Pc. 6 to Heater Belt Shell Pc. 4 and Lower Heater Belt Forging Pc. 40. Cal block 50470 to be used with Procedure PDI-UT-7 for sizing purposes.	UT	CS		4.750 / 84.000	50470A	B02.011.00:
O2.B2.11.0002 Circumferential	2-PZR-WP28 Class 1 50	ISI-OCN2-002 OM-1201-456	NDE-640 Head to Htr. Belt Shell / Forging Pressurizer Lower Head Pc. 6 to Heater Belt Shell Pc. 4 and Lower Heater Belt Forging Pc. 40. Cal block 50470 to be used with Procedure PDI-UT-7 for sizing purposes.	UT	CS		4.750 / 84.000	40394 40338	B02.011.00:
O2.B2.11.0002 Circumferential	2-PZR-WP28 Class 1 50	ISI-OCN2-002 OM-1201-456	NDE-820 Head to Htr. Belt Shell / Forging Pressurizer Lower Head Pc. 6 to Heater Belt Shell Pc. 4 and Lower Heater Belt Forging Pc. 40. Cal block 50470 to be used with Procedure PDI-UT-7 for sizing purposes.	UT	CS		4.750 / 84.000	40394 40338	B02.011.00:

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-B									
O2.B2.12.0002	2-PZR-WP7-1								
	Class 1 50	ISI-OCN2-002	NDE-820	UT	CS		6.188 / 0.000	40338	B02.012.00
		OM-1201-456						40394	
Longitudinal									
			Htr. Belt Shell to Htr. Belt Forging						
			Pressurizer Heater Belt Shell Pc. 4 to Lower / Upper Heater Belt Forging Pc. 40 / 41. Y-Z Quadrant. Inspect only one foot of the longitudinal weld, starting from the centerline of the adjacent circumferential weld (2-PZR-WP28).						
O2.B2.12.0002	2-PZR-WP7-1								
	Class 1 50	ISI-OCN2-002	NDE-640	UT	CS		6.188 / 0.000	40338	B02.012.00
		OM-1201-456						40394	
Longitudinal									
			Htr. Belt Shell to Htr. Belt Forging						
			Pressurizer Heater Belt Shell Pc. 4 to Lower / Upper Heater Belt Forging Pc. 40 / 41. Y-Z Quadrant. Inspect only one foot of the longitudinal weld, starting from the centerline of the adjacent circumferential weld (2-PZR-WP28).						
Category B-D									
O2.B3.110.0002	2-PZR-WP34								
	Class 1 50	ISI-OCN2-002	NDE-820	UT	CS		4.750 / 7.750	40394	B03.110.00
Circumferential		OM-1201-456							
		B&W149769E							
			Nozzle to Head						
			Pressurizer Spray Nozzle Pc. 9 to Upper Head Pc. 5.						
O2.B3.110.0002	2-PZR-WP34								
	Class 1 50	ISI-OCN2-002	NDE-640	UT	CS		4.750 / 7.750	40394	B03.110.00
Circumferential		OM-1201-456							
		B&W149769E							
			Nozzle to Head						
			Pressurizer Spray Nozzle Pc. 9 to Upper Head Pc. 5.						
O2.B3.110.0003	2-PZR-WP33-3								
	Class 1 50	ISI-OCN2-002	NDE-640	UT	CS		4.750 / 6.875	40394	B03.110.00
Circumferential		OM-1201-456							
		B&W149770E							
			Nozzle to Head						
			Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5. Z-W Quadrant.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-D									
O2.B3.110.0003	2-PZR-WP33-3								
	Class 1 50	ISI-OCN2-002	NDE-820	UT	CS		4.750 / 6.875	40394	B03.110.00
Circumferential		OM-1201-456 B&W149770E							
			Nozzle to Head Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5. Z-W Quadrant.						
O2.B3.110.0005	2-PZR-WP33-1								
	Class 1 50	ISI-OCN2-002	NDE-640	UT	CS		4.750 / 6.875	40394	B03.110.00
Circumferential		OM-1201-456 B&W149770E							
			Nozzle to Head Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5. W-X Quadrant.						
O2.B3.110.0005	2-PZR-WP33-1								
	Class 1 50	ISI-OCN2-002	NDE-820	UT	CS		4.750 / 6.875	40394	B03.110.00
Circumferential		OM-1201-456 B&W149770E							
			Nozzle to Head Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5. W-X Quadrant.						
O2.B3.120.0002	2-PZR-WP34								
	Class 1 50	ISI-OCN2-002 B&W149768E	NDE-3620	UT	CS		2.125 / 7.750	40394	B03.120.00
			Nozzle to Head Pressurizer Spray Nozzle Pc. 9 to Upper Head Pc. 5. (Inside Radius Section)						
O2.B3.120.0003	2-PZR-WP33-3								
	Class 1 50	ISI-OCN2-002 B&W149770E	NDE-3620	UT	CS		2.310 / 6.875	40394	B03.120.00
			Nozzle to Head Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5. Z-W Quadrant: (Inside Radius Section)						
O2.B3.120.0004	2-PZR-WP33-2								
	Class 1 50	ISI-OCN2-002 B&W149770E	NDE-3620	UT	CS		2.310 / 6.875	40394	B03.120.00
			Nozzle to Head Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5. X-Y Quadrant. (Inside Radius Section)						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-D									
O2.B3.120.0005	2-PZR-WP33-1 Class 1 50	ISI-OCN2-002 B&W149770E	NDE-3620 Nozzle to Head Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5. W-X Qradrant. (Inside Radius Section)	UT	CS		2.310 / 6.875	40394	B03.120.00
Category B-F									
O2.B5.10.0001 Circumferential Terminal End Dissimilar	2-RPV-WR53 Class 1 50	ISI-OCN2-001 OM-1201-1528	54-ISI-823 Nozzle to Safe End RV A-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. W-Axis. (B05.010.001) The automated UT performed from the ID of the Reactor Vessel on this weld will be substituted for this surface exam. -- (B05.010.001A) Procedures must be qualified through PDI. A vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. A UT performed in 2EOC-24 (contracted by Areva) for augmented exams (G12.2 items) also met the Code Requirements for B5.10 items of the 1998 Edition thru the 2000 Addenda of the Section XI Code. We will take credit for the UT exam in the 2EOC-24 outage. We will determine if Code Case N-663 can be used to cover the surface exam that is scheduled in 2EOC-26. If Code Case N-663 cannot be used for the B5.10 item surface exams, we will have to perform a UT from the ID during the 10 year Reactor Vessel Exam scheduled during 2EOC-26. The vendor for the Reactor Vessel exams will have to be qualifed to detect surface flaws from the ID by UT method. See Third Interval Relief Request ONS-001 and ONS-002 for details on the UT performed in lieu of the surface exam.	UT	SS-CS		1.688 / 15.625	8034675	B05.010.001, B05.010.001A

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-F									
O2.B5.10.0002	2-RPV-WR53A Class 1 50	ISI-OCN2-001 OM-1201-1528	54-ISI-823	UT	SS-CS		1.688 / 15.625	8034675	B05.010.002, B05.010.002A
Circumferential Terminal End Dissimilar			Nozzle to Safe End RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis. (B05.010.002) The automated UT performed from the ID of the Reactor Vessel on this weld will be substituted for this surface exam. -- (B05.010.002A)Procedures must be qualified through PDI. A vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. A UT performed in 2EOC-24 (contracted by Areva) for augmented exams (G12.2 items) also met the Code Requirements for B5.10 items of the 1998 Edition thru the 2000 Addenda of the Section XI Code. We will take credit for the UT exam in the 2EOC-24 outage. We will determine if Code Case N-663 can be used to cover the surface exam that is scheduled in 2EOC-26. If Code Case N-663 cannot be used for the B5.10 item surface exams, we will have to perform a UT from the ID during the 10 year Reactor Vessel Exam scheduled during 2EOC-26. The vendor for the Reactor Vessel exams will have to be qualifed to detect surface flaws from the ID by UT method. See Third Interval Relief Request ONS-001 and ONS-002 for details on the UT performed in lieu of the surface exam.						
Category B-G-1									
O2.B6.60.0001	2-PZR-MW-STUDS Class 1 50	B&W149775E OM 1201-858	PDI-UT-5	UT	CS		0.000 / 2.750	40425	B06.060.00
			Pressurizer Manway Studs Pc. 67. 12 Studs, Stud Length = 14.875".						
O2.B6.80.0001	2-PZR-MW-NUTS Class 1 50	OM-1201-1135 O-ISIN4-100A-2.1 OM 1201-858	NDE-62	VT-1	CS		0.000 / 2.750		B06.080.00
			Pressurizer Manway Nuts Pc. 68. Examination includes bushings and washers.						
Category B-G-2									
O2.B7.30.0005	2-SGA-UHHC-STUDS Class 1 50	OM-201.S-0001 OM-201.S-0171 OM-201.S-0252	NDE-62	VT-1	SS		0.000 / 1.250		B07.030.00
			Steam Generator 2A Upper Head Handhole (primary) Cover Studs and Nuts. (8 studs and nuts) Examine all studs and nuts. Stud Length = 10.94 inches.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-G-2									
O2.B7.30.0006	2-SGB-UHHC-STUDS Class 1 50	OM-201.S-0001 OM-201.S-0171 OM-201.S-0252	NDE-62	VT-1	SS		0.000 / 1.250		B07.030.00(
			Steam Generator 2B Upper Head Handhole (primary) Cover Studs and Nuts. (8 studs and nuts) Examine all studs and nuts. Stud Length = 10.94 inches.						
O2.B7.70.0005	2-53A-LP1-STUDS Class 1 53A	OM-245-2054.001 O-ISIN4-102A-2.1	NDE-62	VT-1	SS		0.000 / 1:000		B07.070.00
			Decay Heat Suction 12" Valve 2LP-1 Bolting. Inspect one of the following valves: 2LP-1 or 2LP-2. Examine all studs and nuts.						
Category B-J									
O2.B9.11.0006	2-PDA1-2 Class 1 50	ISI-OCN2-011 OM-1201-966	NDE-35	PT	SS-CS		2.330 / 33.500		B09.011.006, B09.011.006/
Circumferential Dissimilar Stress Weld			Safe End to Elbow Reactor Coolant Pump 2A1 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53. Code Case N-624.						
O2.B9.11.0006	2-PDA1-2 Class 1 50	ISI-OCN2-011 OM-1201-966	EPRI-DMW-PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	B09.011.006, B09.011.006/
Circumferential Dissimilar Stress Weld			Safe End to Elbow Reactor Coolant Pump 2A1 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53. Code Case N-624.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
O2.B9.11.0007 Circumferential Dissimilar Stress Weld	2-PDA2-2 Class 1 50	ISI-OCN2-012 OM-1201-966	NDE-35 Safe End to Elbow Reactor Coolant Pump 2A2 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53.	PT	SS-CS		2.330 / 33.500		B09.011.007, B09.011.007A
O2.B9.11.0007 Circumferential Dissimilar Stress Weld	2-PDA2-2 Class 1 50	ISI-OCN2-012 OM-1201-966	EPRI-DMW-PA-1 Safe End to Elbow Reactor Coolant Pump 2A2 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53.	UT	SS-CS		2.330 / 33.500	40350 40397	B09.011.007, B09.011.007A
O2.B9.11.0008 Circumferential Dissimilar Stress Weld	2-PDB1-2 Class 1 50	ISI-OCN2-013 OM-1201-966	NDE-35 Safe End to Elbow Reactor Coolant Pump 2B1 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53. Code Case N-624	PT	SS-CS		2.330 / 33.500		B09.011.008, B09.011.008A
O2.B9.11.0008 Circumferential Dissimilar Stress Weld	2-PDB1-2 Class 1 50	ISI-OCN2-013 OM-1201-966	EPRI-DMW-PA-1 Safe End to Elbow Reactor Coolant Pump 2B1 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53. Code Case N-624	UT	SS-CS		2.330 / 33.500	40350 40397	B09.011.008, B09.011.008A

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
O2.B9.11.0009 Circumferential Dissimilar Stress Weld	2-PDB2-2 Class 1 50	ISI-OCN2-014 OM-1201-966	NDE-35 Safe End to Elbow Reactor Coolant Pump 2B2 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53.	PT	SS-CS		2.330 / 33.500		B09.011.009, B09.011.009A
O2.B9.11.0009 Circumferential Dissimilar Stress Weld	2-PDB2-2 Class 1 50	ISI-OCN2-014 OM-1201-966	EPRI-DMW-PA-1 Safe End to Elbow Reactor Coolant Pump 2B2 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53.	UT	SS-CS		2.330 / 33.500	40350 40397	B09.011.009, B09.011.009A
O2.B9.11.0012 Circumferential Dissimilar Stress Weld	2-PIA1-7 Class 1 50	ISI-OCN2-007 OM-1201-966	NDE-35 Pipe to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55.	PT	SS-CS		3.000 / 33.500		B09.011.012, B09.011.012A
O2.B9.11.0012 Circumferential Dissimilar Stress Weld	2-PIA1-7 Class 1 50	ISI-OCN2-007 OM-1201-966	EPRI-DMW-PA-1 Pipe to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55.	UT	SS-CS		3.000 / 33.500	40350 40397	B09.011.012, B09.011.012A

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
O2.B9.11.0013 Circumferential Dissimilar Stress Weld	2-PIA2-7 Class 1 50	ISI-OCN2-008 OM-1201-966	NDE-35 Pipe to Safe End Reactor Coolant Pump 2A2 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55. Code Case N-624.	PT	SS-CS		2.330 / 33.500		B09.011.013, B09.011.013A
O2.B9.11.0013 Circumferential Dissimilar Stress Weld	2-PIA2-7 Class 1 50	ISI-OCN2-008 OM-1201-966	EPRI-DMW-PA-1 Pipe to Safe End Reactor Coolant Pump 2A2 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55. Code Case N-624.	UT	SS-CS		2.330 / 33.500	40350 40397	B09.011.013, B09.011.013A
O2.B9.11.0014 Circumferential Dissimilar Stress Weld	2-PIB1-7 Class 1 50	ISI-OCN2-009 OM-1201-966	NDE-35 Pipe to Safe End Reactor Coolant Pump 2B1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55.	PT	SS-CS		2.330 / 33.500		B09.011.014, B09.011.014A
O2.B9.11.0014 Circumferential Dissimilar Stress Weld	2-PIB1-7 Class 1 50	ISI-OCN2-009 OM-1201-966	EPRI-DMW-PA-1 Pipe to Safe End Reactor Coolant Pump 2B1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55.	UT	SS-CS		2.330 / 33.500	40350 40397	B09.011.014, B09.011.014A

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
O2.B9.11.0015	2-PIB2-7								
	Class 1 50	ISI-OCN2-010	NDE-35	PT	SS-CS		2.330 / 33.500		B09.011.015, B09.011.015A
Circumferential Dissimilar Stress Weld		OM-1201-966							
			Pipe to Safe End						
			Reactor Coolant Pump 2B2 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55.						
O2.B9.11.0015	2-PIB2-7								
	Class 1 50	ISI-OCN2-010 OM-1201-966	EPRI-DMW-PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	B09.011.015, B09.011.015A
Circumferential Dissimilar Stress Weld									
			Pipe to Safe End						
			Reactor Coolant Pump 2B2 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55.						
O2.B9.11.0020	2RC-279-88V								
	Class 1 50	ISI-OCN2-005	NDE-25	MT	CS		3.500 / 36.000		B09.011.020, B09.011.020A
Circumferential Terminal End		2RC-279 O-ISIN4-100A-2.1							
			Nozzle to Pipe						
			Sream Generator 2A Inlet Nozzle to Hot Leg. Weld 88V is listed on weld iso 2RC-279 but drawing ISI-OCN2-005 is listed as the iso to show where the weld is located on the 2A Hot Leg Piping Loop.						
O2.B9.11.0020	2RC-279-88V								
	Class 1 50	ISI-OCN2-005	NDE-600	UT	CS		3.500 / 36.000	Component	B09.011.020, B09.011.020A
Circumferential Terminal End		2RC-279 O-ISIN4-100A-2.1							
			Nozzle to Pipe						
			Sream Generator 2A Inlet Nozzle to Hot Leg. Weld 88V is listed on weld iso 2RC-279 but drawing ISI-OCN2-005 is listed as the iso to show where the weld is located on the 2A Hot Leg Piping Loop.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
O2.B9.11.0046 Circumferential Terminal End Stress Weld	2-PIA1-8 Class 1 50	ISI-OCN2-007 OM-1201-966	PDI-UT-2 Casing to Safe End Reactor Coolant Pump 2A1 Suction Piping. RCP 2A1 Casing to Safe End Pc. 55. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Procedure NDE-830 and Cal Block 50386 are to be used only for a supplemental UT performed from the pump side. The supplemental exam is being performed as requested by Jim McArdle which will be used to justify limited coverage from the code exam (performed using NDE-600 or PDI-UT-2). Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.	UT	SS		2.330 / 33.500	Component 40397 50214	B09.011.046, B09.011.046A
O2.B9.11.0046 Circumferential Terminal End Stress Weld	2-PIA1-8 Class 1 50	ISI-OCN2-007 OM-1201-966	NDE-830 Casing to Safe End Reactor Coolant Pump 2A1 Suction Piping. RCP 2A1 Casing to Safe End Pc. 55. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Procedure NDE-830 and Cal Block 50386 are to be used only for a supplemental UT performed from the pump side. The supplemental exam is being performed as requested by Jim McArdle which will be used to justify limited coverage from the code exam (performed using NDE-600 or PDI-UT-2). Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.	UT	SS		2.330 / 33.500	Component 40397 50214	B09.011.046, B09.011.046A

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
O2.B9.11.0053	2-PDA2-1 Class 1 50	ISI-OCN2-012 OM-1201-966	NDE-830	UT	SS		2.330 / 33.500	Component 40397 50214	B09.011.053, B09.011.053A
Circumferential Terminal End Stress Weld			Casing to Safe End Reactor Coolant Pump 2A2 Discharge Piping. RCP 2A2 Casing to Safe End Pc. 49. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Procedure NDE-830 and Cal Block 50386 are to be used only for a supplemental UT performed from the pump side. The supplemental exam is being performed as requested by Jim McArdle which will be used to justify limited coverage from the code exam (performed using NDE-600 or PDI-UT-2). Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.B9.11.0053	2-PDA2-1 Class 1 50	ISI-OCN2-012 OM-1201-966	NDE-600	UT	SS		2.330 / 33.500	Component 40397 50214	B09.011.053, B09.011.053A
Circumferential Terminal End Stress Weld			Casing to Safe End Reactor Coolant Pump 2A2 Discharge Piping. RCP 2A2 Casing to Safe End Pc. 49. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Procedure NDE-830 and Cal Block 50386 are to be used only for a supplemental UT performed from the pump side. The supplemental exam is being performed as requested by Jim McArdle which will be used to justify limited coverage from the code exam (performed using NDE-600 or PDI-UT-2). Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
O2.B9.11.0063 Circumferential Terminal End Stress Weld	2-PDB2-1 Class 1 50	ISI-OCN2-014 OM-1201-966	NDE-830 Casing to Pipe Safe End Reactor Coolant Pump 2B2 Discharge Piping. RCP 2B2 Casing to Safe End Pc. 49. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Procedure NDE-830 and Cal Block 50386 are to be used only for a supplemental UT performed from the pump side. The supplemental exam is being performed as requested by Jim McArdle which will be used to justify limited coverage from the code exam (performed using NDE-600 or PDI-UT-2). Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.	UT	SS		2.330 / 33.500	Component 40397 50214	B09.011.063, B09.011.063A
O2.B9.11.0063 Circumferential Terminal End Stress Weld	2-PDB2-1 Class 1 50	ISI-OCN2-014 OM-1201-966	NDE-600 Casing to Pipe Safe End Reactor Coolant Pump 2B2 Discharge Piping. RCP 2B2 Casing to Safe End Pc. 49. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Procedure NDE-830 and Cal Block 50386 are to be used only for a supplemental UT performed from the pump side. The supplemental exam is being performed as requested by Jim McArdle which will be used to justify limited coverage from the code exam (performed using NDE-600 or PDI-UT-2). Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.	UT	SS		2.330 / 33.500	Component 40397 50214	B09.011.063, B09.011.063A

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
O2.B9.11.0068	2-53A-10-8								
	Class 1 53A	2-53A-10 O-ISIN4-102A-2.1	PDI-UT-2	UT	SS		1.125 / 12.000	Component PDI-UT-2-O PDI-UT-2A-O	B09.011.202, B09.011.202A
Circumferential									
			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.B9.11.0074	2-53A-8-60								
	Class 1 53A	2-53A-8(2) O-ISIN4-102A-2.3	NDE-600	UT	SS		1.250 / 14.000	Component PDI-UT-2-O	B09.011.210, B09.011.210A
Circumferential									
			Elbow to Tee Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.B9.21.0007	2-PDB2-11								
	Class 1 50	ISI-OCN2-014 B&W146829E	NDE-35	PT	SS-CS		0.750 / 3.500		B09.021.007
Circumferential Dissimilar Stress Weld									
			Nozzle to Safe End Reactor Coolant Pump 2B2 Discharge Piping. Nozzle Pc. 46 to Safe End Pc. 47.						
O2.B9.21.0033	2RC-202-17								
	Class 1 51A	2RC-202 O-ISIN4-100A-2.1	NDE-35	PT	SS		0.375 / 2.500		B09.021.110
Circumferential Stress Weld									
			Safe End to Pipe Weld 2RC-202-1 was cut out and replaced with weld 2RC-202-17 during EOC-20. Inspect with Item Number G02.001.008C.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
O2.B9.21.0038 Circumferential Stress Weld	2RC-203-4 Class 1 51A	2RC-203 O-ISIN4-101A-2.4	NDE-35 Valve 2HP-486 to Valve 2HP-126	PT	SS		0.375 / 2.500		B09.021.11
O2.B9.21.0039 Circumferential Stress Weld	2RC-204-37 Class 1 51A	2RC-204 O-ISIN4-100A-2.1	NDE-35 Safe End to Pipe This weld was listed previously as 2-51A-39-44 until iso 2-51A-39 was redrawn as 2RC-204 and was given the new weld number of 2RC-204-1. Revision 4 to iso 2RC-204 deleted weld 1 and reassigned weld number 18 to the same weld. Weld 2RC-204-18 was cut out and replaced with weld 2RC-204-28 during EOC-20. Weld 2RC-204-28 was cut out and replaced with weld 2RC-204-37 during EOC-23 per Revison 15 of Iso 2RC-204. Inspect with Item Number G02.001.008A(Summary Number O2.G2.1.0013).	PT	SS		0.375 / 2.500		B09.021.11
O2.B9.21.0042 Circumferential Stress Weld	2RC-205-1 Class 1 51A	2RC-205 O-ISIN4-100A-2.1	NDE-35 Safe End to Pipe This weld was listed previously as 2-51A-39-92A until iso 2-51A-39 was redrawn. Inspect with Item Number G02.001.008D.	PT	SS		0.375 / 2.500		B09.021.11
O2.B9.21.0043 Circumferential Stress Weld	2RC-205-3 Class 1 51A	2RC-205 O-ISIN4-101A-2.4	NDE-35 Pipe to Valve 2HP-152 This weld was listed previously as 2-51A-39-93 until iso 2-51A-39 was redrawn. Inspect with Item Number G02.001.010D.	PT	SS		0.375 / 2.500		B09.021.12
O2.B9.21.0044 Circumferential Stress Weld	2RC-205-4 Class 1 51A	2RC-205 O-ISIN4-101A-2.4	NDE-35 Valve 2HP-489 to Valve 2HP-152	PT	SS		0.375 / 2.500		B09.021.12

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
O2.B9.21.0048	2-51A-30-11								
	Class 1 51A	2-51A-30	NDE-35	PT	SS		0.375 / 2.500		B09.021.12
Circumferential		O-ISIN4-101A-2.4							
			Pipe to Pipe						
O2.B9.21.0066	2HP-216-4								
	Class 1 51A	2HP-216	NDE-35	PT	SS		0.375 / 2.500		B09.021.14
Circumferential		O-ISIN4-101A-2.4							
			Flange to Pipe						
			This weld was listed previously as 2-51A-30-44 until iso 2-51A-30 was redrawn.						
O2.B9.21.0067	2HP-216-8								
	Class 1 51A	2HP-216	NDE-35	PT	SS		0.375 / 2.500		B09.021.14
Circumferential		O-ISIN4-101A-2.4							
			Elbow to Pipe						
			This weld was listed previously as 2-51A-30-52 until iso 2-51A-30 was redrawn.						
O2.B9.32.0003	2-PDB1-10								
	Class 1 50	ISI-OCN2-013	NDE-25	MT	CS		2.250 / 12.000		B09.032.00
Branch		OM-1201-966							
Stress Weld		OM-1201-969							
			Nozzle to Pipe						
			Reactor Coolant Pump 2B1 Discharge Piping. HPI Nozzle Pc. 46 to Pipe Pc. 44. NPS of Branch Piping is 2.5 inches.						
O2.B9.32.0005	2-PDB2-10								
	Class 1 50	ISI-OCN2-014	NDE-25	MT	CS		2.250 / 12.000		B09.032.00
Branch		OM-1201-966							
Stress Weld		OM-1201-969							
			Nozzle to Pipe						
			B2 Discharge HPI Nozzle. HPI Nozzle Pc. 46 to Pipe Pc. 44. The NPS of the branch piping is 2.5 Inches.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
O2.B9.32.0007	2-PIA2-10								
	Class 1 50	ISI-OCN2-008	NDE-25	MT	CS		2.250 / 12.000		B09.032.00
Branch		OM-1201-966							
Stress Weld		B&W146623E							
			Nozzle to Pipe						
			Reactor Coolant Pump 2A2 Suction Piping. Drain Nozzle Pc. 64 to Pipe Pc. 63. NPS of Branch Piping is 1.5 inches.						
O2.B9.40.0005	2RC-271-7								
	Class 1 50	2RC-271	NDE-35	PT	SS		0.281 / 1.500		B09.040.00
Socket		O-ISIN4-100A-2.2							
			Elbow to Pipe						
			This weld was listed previously as 2-50-129-7 until iso 2-50-129 was deleted and all welds were tranferred to iso 2RC-271.						
O2.B9.40.0008	2-50-7-102								
	Class 1 50	2-50-7 (1)	NDE-35	PT	SS		0.281 / 1.500		B09.040.00
Socket		O-ISIN4-100A-2.1							
			Pipe to Elbow						
Category B-K									
O2.B10.20.0008	2-53A-0-1478A-H1A								
	Class 1 53A	0-1492D-2(S)	NDE-35	PT	NA		2.000 / 14.000		B10.020.03
Spring Hgr		O-ISIN4-102A-2.3							
		2-53-13/sht.1							
			Calculation No. OSC-1318. Inspect with F01.0120.031.						
Category B-M-1									
O2.B12.30.0001	2-51A-HP-126								
	Class 1 53A	OM-245-1910	NDE-35	PT	SS		0.000 / 2.500		B12.030.00
Circumferential		O-ISIN4-101A-2.4							
			Body to Bonnet Extension						
			Valve 2HP-126 Body to Bonnet Extension Weld. Inspect one of the following valves: 2HP-126, 2HP-127, 2HP-152, or 2HP-153.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-C									
O2.C3.20.0004	2-01A-0-1481B-H11B								
	Class 2 01A	2-01-08/sht.1	NDE-25	MT	CS		2.000 / 36.000		C03.020.00
Constant Support		O-ISIN4-122A-2.1							
			Calculation No. OSC-1315. Inspect with F01.022.002.						
O2.C3.20.0016	2-51A-435B-DKB-1411								
	Class 2 51A	0-2AB-25102-02	NDE-35	PT	SS		0.226 / 6.000		C03.020.03
Spring Hgr		O-ISIN4-101A-2.3							
			Calculation No. OSC-481. Inspect with F01.022.042.						
O2.C3.20.0029	2-54A-3-0-435B-H25								
	Class 2 54A	2-54-1/sht.1	NDE-35	PT	SS		0.216 / 8.000		C03.020.05
Spring Hgr		O-ISIN4-103A-2.1							
			Calculation No. OSC-494. Inspect with F01.022.061.						
O2.C3.20.0034	2-54A-3-0-1439C-H5								
	Class 2 54A	2-54-03/sht.1	NDE-35	PT	SS-CS		1.000 / 8.000		C03.020.05
Rigid Support		O-ISIN4-103A-2.1							
			Calculation No. OSC-496. Inspect with F01.020.096.						
Category C-F-1									
O2.C5.11.0009	2LP-150-39								
	Class 2 53A	2LP-150	PDI-UT-2	UT	SS		1.125 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.009, C05.011.009
		O-ISIN4-102A-2.3							
Circumferential									
			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-53A-9-39 until iso 2-53A-9 was redrawn. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
O2.C5.11.0010	2LP-150-40 Class 2 53A	2LP-150 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.125 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.010, C05.011.010A
Circumferential									
			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-53A-9-40 until iso 2-53A-9 was redrawn. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.11.0013	2LP-148-89 Class 2 53A	2LP-148 O-ISIN4-102A-2.2	PDI-UT-2	UT	SS	160	1.125 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.013, C05.011.013A
Circumferential									
			Pipe to Reducer Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.11.0014	2LP-148-92 Class 2 53A	2LP-148 O-ISIN4-102A-2.2	PDI-UT-2	UT	SS	160	1.125 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.014, C05.011.014A
Circumferential									
			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
O2.C5.11.0037	2LP-215-2 Class 2 53A	2LP-215 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.037, C05.011.037A
Circumferential			Pipe to Tee Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.11.0038	2LP-215-27 Class 2 53A	2LP-215 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.038, C05.011.038A
Circumferential			Pipe to Valve 2LP-177 Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.11.0039	2LP-215-3 Class 2 53A	2LP-215 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.039, C05.011.039A
Circumferential			Tee to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
O2.C5.11.0040	2LP-215-5 Class 2 53A	2LP-215 O-ISIN4-102A-2.3	NDE-600	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.040, C05.011.040A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.11.0041	2LP-215-6 Class 2 53A	2LP-215 O-ISIN4-102A-2.3	NDE-600	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.041, C05.011.041A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.11.0042	2LP-215-9 Class 2 53A	2LP-215 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.042, C05.011.042A
Circumferential			Tee to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
O2.C5.11.0043	2LP-216-1 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	NDE-600	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.043, C05.011.043A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.11.0044	2LP-216-10 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.044, C05.011.044A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.11.0045	2LP-216-14 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.045, C05.011.045A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
O2.C5.11.0046	2LP-216-15								
	Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.046, C05.011.046A
Circumferential									
			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.11.0070	2LPS-724-1								
	Class 2 14B	2LPS-724 O-ISIN4-124B-2.2	PDI-UT-2	UT	SS		0.432 / 6.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.070, C05.011.070A
Circumferential									
			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.11.0075	2LPS-724-17								
	Class 2 14B	2LPS-724 O-ISIN4-124B-2.2	PDI-UT-2	UT	SS		0.432 / 6.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.075, C05.011.075A
Circumferential									
			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
O2.C5.11.0077	2LPS-724-2 Class 2 14B	2LPS-724 O-ISIN4-124B-2.2	PDI-UT-2	UT	SS		0.432 / 6.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.077, C05.011.077A
Circumferential									
			Elbow to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.21.0033	2HP-222-106AA Class 2 51A	2HP-222 O-ISIN4-101A-2.4	PDI-UT-2	UT	SS		0.674 / 4.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.021.041, C05.021.041A
Circumferential									
			Elbow to Tee Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-51A-28-106AA until iso 2-51A-28(2) was deleted and this weld was transferred to iso 2HP-222. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.21.0034	2HP-222-106C Class 2 51A	2HP-222 O-ISIN4-101A-2.4	PDI-UT-2	UT	SS		0.674 / 4.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.021.042, C05.021.042A
Circumferential									
			Tee to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-51A-28-106C until iso 2-51A-28(2) was deleted and this weld was transferred to iso 2HP-222. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description *Comments*	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
O2.C5.21.0035	2HP-341-V1 Class 2 51A	2HP-341 O-ISIN4-101A-2.4	PDI-UT-2	UT	SS		0.375 / 2.500	Component PDI-UT-2-O PDI-UT-2A-O	C05.021.043, C05.021.043A
Circumferential			Valve 2HP-120 to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld used to be listed as 2-51A-28-80A and was shown on isometric 2-51A-28 (2). This weld is a vendor weld joining valve 2HP-120. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.21.0036	2-51A-28-65 Class 2 51A	2-51A-28 (3) O-ISIN4-101A-2.4	PDI-UT-2	UT	SS		0.531 / 4.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.021.044, C05.021.044A
Circumferential			Pipe to Tee Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.21.0051	2-51A-17-97 Class 2 51A	2-51A-17 (2) O-ISIN4-101A-2.2	PDI-UT-2	UT	SS		0.375 / 2.500	Component PDI-UT-2-O PDI-UT-2A-O	C05.021.061, C05.021.061A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
O2.C5.21.0053	2-51A-17-98B Class 2 51A	2-51A-17 (2) O-ISIN4-101A-2.2	PDI-UT-2	UT	SS		0.375 / 2.500	Component PDI-UT-2-O PDI-UT-2A-O	C05.021.063, C05.021.063A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.21.0054	2-51A-17-98D Class 2 51A	2-51A-17 (2) O-ISIN4-101A-2.2	PDI-UT-2	UT	SS		0.375 / 2.500	Component PDI-UT-2-O PDI-UT-2A-O	C05.021.064, C05.021.064A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.21.0489	2-51A-17-96 Class 2 51A	2-51A-17 (2) O-ISIN4-101A-2.2	PDI-UT-2	UT	SS		0.375 / 2.500	PDI-UT-2-O PDI-UT-2A-O	C05.021
Circumferential			Elbow to Pipe Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-2									
O2.C5.51.0005	2MS-123-27								
	Class 2 01A	2MS-123 O-ISIN4-122A-2.1	PDI-UT-1	UT	CS		0.875 / 26.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.005, C05.051.005A
Circumferential									
			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. This weld was listed previously as 2-01A-5-27 on iso 2-01A-5 (4) until it was transferred to iso 2MS-123. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.51.0006	2MS-103-9								
	Class 2 01A	2MS-103 O-ISIN4-122A-2.1	PDI-UT-1	UT	CS		0.906 / 8.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.006, C05.051.006A
Circumferential									
			Pipe to Valve 2MS-2 Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.51.0014	2FDW-210-21								
	Class 2 03A	2FDW-210 O-ISIN4-121D-2.1	PDI-UT-1	UT	CS		0.432 / 6.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.014, C05.051.014A
Circumferential									
			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. This weld was originally identified as 2-03A-10-21 until iso was changed from 2-03A-10 to 2FDW-210. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-2									
O2.C5.51.0018	2-03A-67-7 Class 2 03A	2-03A-67 O-ISIN4-121D-2.1	NDE-600	UT	CS		0.562 / 6.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.018, C05.051.018A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.51.0022	2FDW-226-37 Class 2 03	2FDW-226 O-ISIN4-121B-2.3	PDI-UT-1	UT	CS		1.031 / 20.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.022, C05.051.022A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. This weld used to be listed as 2-03-18-37 and was shown on isometric 2-03-18 (2). Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.51.0035	2LPS-606-2 Class 2 14B	2LPS-606 O-ISIN4-124B-2.2	PDI-UT-1	UT	CS		0.500 / 8.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.035, C05.051.035A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. This weld was listed previously as 2-14B-51-2 until iso 2-14B-51 was redrawn. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-2									
O2.C5.51.0036	2LPS-606-3 Class 2 14B	2LPS-606 O-ISIN4-124B-2.2	PDI-UT-1	UT	CS		0.500 / 8.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.036, C05.051.036A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. This weld was listed previously as 2-14B-51-3 until iso 2-14B-51 was redrawn. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.51.0038	2LPS-606-82 Class 2 14B	2LPS-606 O-ISIN4-124B-2.2	PDI-UT-1	UT	CS		0.500 / 8.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.038, C05.051.038A
Circumferential			Elbow to Tee Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. This weld was listed previously as 2-14B-51-82 until iso 2-14B-51 was redrawn. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.51.0042	2FDW-226-36 Class 2 03	2FDW-226 O-ISIN4-121B-2.3	PDI-UT-1	UT	CS		1.031 / 20.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.042, C05.051.042A
Circumferential			*Pipe to Elbow* Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. This weld used to be listed as 2-03-18-36 and was shown on isometric 2-03-18 (2). Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-2									
O2.C5.51.0053	2-03-18-44AA								
	Class 2 03	2-03-18 (2) O-ISIN4-121B-2.3	PDI-UT-1	UT	CS		1.219 / 24.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.053, C05.051.053A
Circumferential									
			Pipe to Valve 2FDW-37 Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
O2.C5.61.0004	2-14-238-24								
	Class 2 03A	2-14-238 O-ISIN4-121D-2.1 OM 245-1856	NDE-12	RT	SS-CS		0.674 / 4.000		C05.061.004, C05.061.004A
Circumferential									
			Reducer to Valve 2CCW-269 (Cast SS) Cast Stainless Steel Valve Body Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.						
Category D-A									
O2.D1.20.0004	2-03-0-1401A-R7								
	Class 3 03	2-03-01/sht.1 O-ISIN4-121B-2.3	NDE-65	VT-1	NA		1.000 / 24.000		D01.020.01(
Hyd Snubber									
			Calculation No. OSC-454. Inspect with F01.032.012.						
O2.D1.20.0009	2-03A-0-1400A-MDH-1101								
	Class 3 03A	0-2TB-203A12-01 O-ISIN4-121D-2.1	NDE-65	VT-1	NA		0.500 / 6.000		D01.020.01!
Rigid Support									
			Calculation No. OSC-1213. Inspect with F01.030.027.						
O2.D1.20.0027	2-57-0-1481A-H4								
	Class 3 57	0-2RB-25701-01 O-ISIN4-107A-2.1	NDE-65	VT-1	NA		1.000 / 12.000		D01.020.07!
Rigid Restraint									
			Calculation No. OSC-1332-06. Inspect with F01.031.071.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category ELC									
O2.H3.1.0007 Circumferential	2-03-18-25 Class 3 03	2-03-18 (1) O-ISIN4-121B-2.3	NDE-946	UT	CS		1.219 / 24.000		H03.001.00
			Pipe to Elbow Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld. PDI-UT -1 may be used in lieu of NDE-600 with cal block PDI-UT-1-O. Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.						
O2.H3.1.0008 Circumferential	2-03-18-25G Class 3 03	2-03-18 (1) O-ISIN4-121B-2.3	NDE-946	UT	CS		1.219 / 24.000		H03.001.00
			Elbow to Pipe Weld 2-03-18-25 is a Pipe to elbow weld located on iso 2-03-18(1). Weld 2-03-18-25G is a Grinnell Subassembly (elbow to pipe) weld located on the opposite end of the elbow from weld 1-03-18-25 Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld. PDI-UT -1 may be used in lieu of NDE-600 with cal block PDI-UT-1-O. Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.						
O2.H3.1.0009 Circumferential	2-03-18-43A Class 2 03	2-03-18 (2) O-ISIN4-121B-2.3	NDE-946	UT	CS		1.219 / 24.000		H03.001.00
			Pipe to Elbow Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld. Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.						
O2.H3.1.0010 Circumferential	2-FWD60-A Class 2 03	2-03-18 (2) O-ISIN4-121B-2.3	NDE-946	UT	CS		1.219 / 24.000		H03.001.01
			Elbow to Pipe Weld 2-03-18-43AA is a Pipe to elbow weld located on iso 2-03-18(2). Weld 2-FWD60-A is a Grinnell Subassembly (elbow to pipe) weld located on the opposite end of the elbow from weld 1-03-18-43AA. Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld. Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category ELC									
O2.H3.1.0011	2-03-18-43AA								
	Class 2 03	2-03-18 (2)	NDE-946	UT	CS		1.219 / 24.000		H03.001.01
Circumferential		O-ISIN4-121B-2.3							
			Pipe to Elbow Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld. Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.						
O2.H4.1.0002	2-03-0-1439B-H54								
	Class 3 03	2-01-03/sht.1	NDE-66	VT-3	NA		0.000 / 24.000		H04.001.00
Rigid Support		O-ISIN4-121B-2.3							
			Calculation No. OSC-454. Inspect with item number F01.030.020.						
O2.H4.1.0008	2-03-0-1401A-R7								
	Class 3 03	2-03-01/sht.1	NDE-25	MT	CS		1.000 / 24.000		H04.001.008, H04.001.008A
Hyd Snubber		O-ISIN4-121B-2.3							
			Calculation No. OSC-454. Inspect with D01.020.010 and F01.032.012 -- (H04.001.008A) Perform a Surface exam on the attachment welds. Note: Magnetic Particle examinations (with the use of procedure NDE-25) may be performed on carbon steel material in lieu of or in conjunction with liquid penetrant examinations.						
O2.H4.1.0008	2-03-0-1401A-R7								
	Class 3 03	2-03-01/sht.1	NDE-66	VT-3	CS		1.000 / 24.000		H04.001.008, H04.001.008A
Hyd Snubber		O-ISIN4-121B-2.3							
			Calculation No. OSC-454. Inspect with D01.020.010 and F01.032.012 -- (H04.001.008A) Perform a Surface exam on the attachment welds. Note: Magnetic Particle examinations (with the use of procedure NDE-25) may be performed on carbon steel material in lieu of or in conjunction with liquid penetrant examinations.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category ELC									
O2.H4.1.0032	2-01A-0-1401B-R6								
	Class 2 01A	2-01-01/sht.2	NDE-25	MT	CS		1.000 / 36.000		H04.001.032, H04.001.032A
Mech Snubber		O-ISIN4-122A-2.1							
			Calculation No. OSC-440. . -- (H04.001.032A) Perform a Surface exam on the attachment welds. Note: Magnetic Particle examinations (with the use of procedure NDE-25) may be performed on carbon steel material in lieu of or in conjunction with liquid penetrant examinations.						
O2.H4.1.0032	2-01A-0-1401B-R6								
	Class 2 01A	2-01-01/sht.2	NDE-66	VT-3	CS		1.000 / 36.000		H04.001.032, H04.001.032A
Mech Snubber		O-ISIN4-122A-2.1							
			Calculation No. OSC-440. . -- (H04.001.032A) Perform a Surface exam on the attachment welds. Note: Magnetic Particle examinations (with the use of procedure NDE-25) may be performed on carbon steel material in lieu of or in conjunction with liquid penetrant examinations.						
O2.H4.1.0033	2-01A-0-1401B-H10								
	Class 2 01A	2-01-01/sht.2	NDE-66	VT-3	NA		0.000 / 36.000		H04.001.033
Spring Hgr		O-ISIN4-122A-2.1							
			Calculation No. OSC-440.						
O2.H4.1.0034	2-01A-0-1401B-R15								
	Class 2 01A	2-01-01/sht.2	NDE-66	VT-3	NA		0.000 / 24.000		H04.001.034
Mech Snubber		O-ISIN4-122A-2.1							
			Calculation No. OSC-440.						
O2.H4.1.0035	2-01A-OM-200-30-MS-1								
	Class 2 01A	2-01-01/sht.1	NDE-66	VT-3	NA		0.000 / 28.000		H04.001.035
Rigid Support		O-ISIN4-122B-2.1							
			Calculation No. OSC-440.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / *Description* / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category ELC									
O2.H4.1.0036	2-01A-OM-200-30-MS-2								
	Class 2 01A	2-01-01/sht.1	NDE-66	VT-3	NA		0.000 / 28.000		H04.001.03(
Rigid Support		O-ISIN4-122B-2.1							
			Calculation No. OSC-440.						
O2.H4.1.0037	2-01A-0-1441-H16								
	Class 2 01A	2-01-01/sht.1	NDE-66	VT-3	NA		0.000 / 36.000		H04.001.03
Rigid Support		O-ISIN4-122A-2.1							
			Calculation No. OSC-440. When examining this support, drawing O-2157B (Section U-U) will also be needed to complete this exam.						
O2.H4.1.0038	2-01A-0-1441-R9-1								
	Class 2 01A	2-01-01/sht.1	NDE-25	MT	CS		0.562 / 36.000		H04.001.038, H04.001.038A
Hyd Snubber		O-ISIN4-122A-2.1							
			Calculation No. OSC-440. -- (H04.001.038A) Perform a Surface exam on the attachment welds. Note: Magnetic Particle examinations (with the use of procedure NDE-25) may be performed on carbon steel material in lieu of or in conjunction with liquid penetrant examinations.						
O2.H4.1.0038	2-01A-0-1441-R9-1								
	Class 2 01A	2-01-01/sht.1	NDE-66	VT-3	CS		0.562 / 36.000		H04.001.038, H04.001.038A
Hyd Snubber		O-ISIN4-122A-2.1							
			Calculation No. OSC-440. -- (H04.001.038A) Perform a Surface exam on the attachment welds. Note: Magnetic Particle examinations (with the use of procedure NDE-25) may be performed on carbon steel material in lieu of or in conjunction with liquid penetrant examinations.						
O2.H4.1.0039	2-01A-0-1441-H17								
	Class 2 01A	2-01-01/sht.1	NDE-66	VT-3	NA		0.000 / 36.000		H04.001.03
Rigid Support		O-ISIN4-122A-2.1							
			Calculation No. OSC-440. When examining this support, drawing O-2157B (Section U-U) will also be needed to complete this exam.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category ELC									
O2.H4.1.0040	2-01A-0-1401B-H18								
	Class 2 01A	2-01-01/sht.1	NDE-66	VT-3	NA		0.000 / 8.000		H04.001.040
Spring Hgr		O-ISIN4-122A-2.1							
			Calculation No. OSC-440.						
O2.H4.1.0050	2-01A-0-1441-R9-2								
	Class 2 01A	2-01-01/sht.1	NDE-25	MT	CS		0.562 / 36.000		H04.001.050, H04.001.050A
Hyd Snubber		O-ISIN4-122A-2.1							
			Calculation No. OSC-440. -- (H04.001.050A) Perform a Surface exam on the attachment welds. Note: Magnetic Particle examinations (with the use of procedure NDE-25) may be performed on carbon steel material in lieu of or in conjunction with liquid penetrant examinations.						
O2.H4.1.0050	2-01A-0-1441-R9-2								
	Class 2 01A	2-01-01/sht.1	NDE-66	VT-3	CS		0.562 / 36.000		H04.001.050, H04.001.050A
Hyd Snubber		O-ISIN4-122A-2.1							
			Calculation No. OSC-440. -- (H04.001.050A) Perform a Surface exam on the attachment welds. Note: Magnetic Particle examinations (with the use of procedure NDE-25) may be performed on carbon steel material in lieu of or in conjunction with liquid penetrant examinations.						
O2.H4.1.0051	2-01A-0-1441-R9-3								
	Class 2 01A	2-01-01/sht.1	NDE-25	MT	CS		0.562 / 36.000		H04.001.051, H04.001.051A
Hyd Snubber		O-ISIN4-122A-2.1							
			Calculation No. OSC-440. -- (H04.001.051A) Perform a Surface exam on the attachment welds. Note: Magnetic Particle examinations (with the use of procedure NDE-25) may be performed on carbon steel material in lieu of or in conjunction with liquid penetrant examinations.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
			Description / Comments						
Category ELC									
O2.H4.1.0051	2-01A-0-1441-R9-3								
	Class 2 01A	2-01-01/sht.1	NDE-66	VT-3	CS		0.562 / 36.000		H04.001.051, H04.001.051A
Hyd Snubber		O-ISIN4-122A-2.1							
			Calculation No. OSC-440. -- (H04.001.051A) Perform a Surface exam on the attachment welds. Note: Magnetic Particle examinations (with the use of procedure NDE-25) may be performed on carbon steel material in lieu of or in conjunction with liquid penetrant examinations.						
O2.H4.1.0052	2-01A-0-1441-R9-4								
	Class 2 01A	2-01-01/sht.1	NDE-25	MT	CS		0.562 / 36.000		H04.001.052
Hyd Snubber		O-ISIN4-122A-2.1							
			Calculation No. OSC-440. Perform a Surface exam on the attachment welds. Note: Either a magnetic particle examinations or a liquid penetrant examination or a combination of the 2 methods may be performed on carbon steel material to meet the surface examination requirements for this item.						
O2.H4.1.0052	2-01A-0-1441-R9-4								
	Class 2 01A	2-01-01/sht.1	NDE-66	VT-3	CS		0.562 / 36.000		H04.001.052
Hyd Snubber		O-ISIN4-122A-2.1							
			Calculation No. OSC-440. Perform a Surface exam on the attachment welds. Note: Either a magnetic particle examinations or a liquid penetrant examination or a combination of the 2 methods may be performed on carbon steel material to meet the surface examination requirements for this item.						
O2.H5.1.0001	2-01A-0-1441-H1								
	Class 2 01A	2-01-01/sht.1	NDE-25	MT	CS		0.500 / 36.000		H05.001.001
Spring Hgr		O-ISIN4-122A-2.1							
			Calculation No. OSC-440. Perform MT examination on the attachment weld to the elbow.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category ELC									
O2.H5.1.0002	2-MS9A-A Class 2 01A	2MS-103 O-ISIN4-122A-2.1	NDE-600	UT	CS		1.164 / 36.000	Component PDI UT 1- O PDI-UT-1A-O	H05.001.00
Circumferential		2MS-9A	*Elbow to Pipe* Subassembly 2MS-9A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. NDE-946 is to be used for thickness measurements. Inspection results should be forwarded to Timothy D Brown of the Oconee Design Basis Group.						
O2.H5.1.0002	2-MS9A-A Class 2 01A	2MS-103 O-ISIN4-122A-2.1	NDE-946	UT	CS		1.164 / 36.000	Component PDI UT 1- O PDI-UT-1A-O	H05.001.00
Circumferential		2MS-9A	Elbow to Pipe Subassembly 2MS-9A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. NDE-946 is to be used for thickness measurements. Inspection results should be forwarded to Timothy D Brown of the Oconee Design Basis Group.						
O2.H5.1.0003	2MS-103-39 Class 2 01A	2MS-103 O-ISIN4-122A-2.1	NDE-946	UT	CS		1.164 / 36.000	Component PDI UT 1- O PDI-UT-1A-O	H05.001.00
Circumferential			Elbow to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. NDE-946 is to be used for thickness measurements. Inspection results should be forwarded to Timothy D Brown of the Oconee Design Basis Group.						
O2.H5.1.0003	2MS-103-39 Class 2 01A	2MS-103 O-ISIN4-122A-2.1	NDE-600	UT	CS		1.164 / 36.000	Component PDI UT 1- O PDI-UT-1A-O	H05.001.00
Circumferential			Elbow to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. NDE-946 is to be used for thickness measurements. Inspection results should be forwarded to Timothy D Brown of the Oconee Design Basis Group.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category ELC									
O2.H5.1.0004	2-MS10A-A								
	Class 2 01A	2MS-103 O-ISIN4-122A-2.1	NDE-946	UT	CS		1.164 / 36.000	Component PDI UT 1- O PDI-UT-1A-O	H05.001.00
Circumferential		2MS-10A							
			Pipe to Elbow						
			Subassembly 2MS-10A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. NDE-946 is to be used for thickness measurements. Inspection results should be forwarded to Timothy D Brown of the Oconee Design Basis Group.						
O2.H5.1.0004	2-MS10A-A								
	Class 2 01A	2MS-103 O-ISIN4-122A-2.1	NDE-600	UT	CS		1.164 / 36.000	Component PDI UT 1- O PDI-UT-1A-O	H05.001.00
Circumferential		2MS-10A							
			Pipe to Elbow						
			Subassembly 2MS-10A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. NDE-946 is to be used for thickness measurements. Inspection results should be forwarded to Timothy D Brown of the Oconee Design Basis Group.						
Category F-A									
O2.F1.11.0001	2-51A-0-1479A-H10A								
	Class 1 51A	0-2RB-25315-04 O-ISIN4-101A-2.4	NDE-66	VT-3	NA		0.000 / 2.500		F01.011.01
Rigid Restraint									
			Calculation No. OSC-1324-06. HPI East Coolant Loop.						
O2.F1.11.0008	2-53A-0-1480A-H26C								
	Class 1 53A	0-2RB-25314-02 O-ISIN4-100A-2.2	NDE-66	VT-3	NA		0.250 / 1.500		F01.011.03
Rigid Restraint									
			Calculation No. OSC-1324-06. was inspected as a F01.010. in 3rd.						
O2.F1.12.0008	2-53A-0-1478A-H1A								
	Class 1 53A	0-1492D-2(S) O-ISIN4-102A-2.3 2-53-13/sht.1	NDE-66	VT-3	NA		2.000 / 14.000		F01.012.03
Spring Hgr									
			0-1478A						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
			Description / Comments						
Category F-A									
O2.F1.20.0014	2-51A-3-0-437B-DE048								
	Class 2 51A	0-2AB-25101-04	NDE-66	VT-3	NA		0.000 / 4.000		F01.020.04
Rigid Support		O-ISIN4-101A-2.1							
			Calculation No. OSC-479.						
O2.F1.20.0025	2-51A-0-1439C-H166								
	Class 2 51A	2-51-18/sht.1	NDE-66	VT-3	NA		0.000 / 4.000		F01.020.05
Rigid Support		O-ISIN4-101A-2.4							
			Calculation No. OSC-1023.						
O2.F1.20.0035	2-53B-0-435B-DE015								
	Class 2 53B	0-2AB-25301-01	NDE-66	VT-3	NA		0.000 / 14.000		F01.020.07
Rigid Support		O-ISIN4-102A-2.1							
			Calculation No. OSC-487.						
O2.F1.20.0040	2-53B-2-0-435B-R69								
	Class 2 53B	0-2AB-25301-04	NDE-66	VT-3	NA		0.000 / 8.000		F01.020.07
Rigid Support		O-ISIN4-102A-2.2							
			Calculation No. OSC-487.						
O2.F1.20.0042	2-53B-1-0-1439C-DE067								
	Class 2 53B	0-2AB-25302-01	NDE-66	VT-3	NA		0.000 / 10.000		F01.020.08
Rigid Support		O-ISIN4-102A-2.2							
			Calculation No. OSC-493.						
O2.F1.20.0054	2-54A-3-0-1439C-H5								
	Class 2 54A	2-54-03/sht.1	NDE-66	VT-3	NA		1.000 / 8.000		F01.020.09
Rigid Support		O-ISIN4-103A-2.1							
			Calculation No. OSC-496. Inspect with C03.020.056.						
O2.F1.20.0056	2-54A-3-0-435B-R10								
	Class 2 54A	2-54-1/sht.1	NDE-66	VT-3	NA		0.000 / 8.000		F01.020.09
Rigid Support		O-ISIN4-103A-2.1							
			Calculation No. OSC-494.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A									
O2.F1.21.0011	2-14-1478F-H6091								
	Class 2 14	0-2RB-203A13-03	NDE-66	VT-3	NA		0.000 / 6.000		F01.021.02
Rigid Restraint		O-ISIN4-121D-2.1							
			Calculation No. OSC-1224-17.						
O2.F1.21.0016	2-51A-0-1478A-H13C								
	Class 2 51A	2-51-12/sht.5	NDE-66	VT-3	NA		0.750 / 2.500		F01.021.04
Rigid Restraint		O-ISIN4-101A-2.1							
			Calculation No. OSC-1660-06. HPI System.						
O2.F1.21.0021	2-51A-2-0-438C-SP115								
	Class 2 51A	2-51-18/sht.5	NDE-66	VT-3	NA		0.000 / 4.000		F01.021.04
Rigid Restraint		O-ISIN4-101A-2.4							
			Calculation No. OSC-1023. HPI System.						
O2.F1.21.0023	2-51B-436J-DE013								
	Class 2 51B	0-2AB-25102-01	NDE-66	VT-3	NA		0.000 / 3.000		F01.021.05
Rigid Restraint		O-ISIN4-101A-2.2							
			Calculation No. OSC-481. When examining this support, which is part of a gang hanger, the examination boundary should be extended back to the building structure. Support sketch 2-GH-QR-7374-01 will also be needed to complete this exam.						
O2.F1.21.0030	2-53B-5-0-1436A-R5								
	Class 2 53B	0-2AB-25302-03	NDE-66	VT-3	NA		0.000 / 10.000		F01.021.06
Rigid Restraint		O-ISIN4-102A-2.2							
			Calculation No. OSC-493.						
O2.F1.21.0038	2-56-438B-DE002								
	Class 2 56	4-56-02/sht.5	NDE-66	VT-3	NA		0.000 / 8.000		F01.021.08
Rigid Restraint		O-ISIN4-104A-1.1							
			Calculation No. OS-421. When examining this support, which is part of a gang hanger, the examination boundary should be extended back to the building structure. Support sketch 2-GH-TRB-7576-02 will also be needed to complete this exam.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A									
O2.F1.21.0039	2-56-0-1478A-H11								
	Class 2 56	0-2RB-25310-01	NDE-66	VT-3	NA		0.375 / 8.000		F01.021.08
Rigid Restraint		O-ISIN4-104A-1.1							
			Calculation No. OSC-1321-07.						
O2.F1.22.0002	2-01A-0-1481B-H11B								
	Class 2 01A	2-01-08/sht.1	NDE-66	VT-3	NA		2.000 / 36.000		F01.022.00
Constant Support		O-ISIN4-122A-2.1							
			Calculation No. OSC-1315. Inspect with C03.020.004.						
O2.F1.22.0008	2-01A-0-1480A-H1A								
	Class 2 01A	2-01-09/sht.1	NDE-66	VT-3	NA		1.500 / 26.000		F01.022.00
Constant Support		O-ISIN4-122A-2.1							
			Calculation No. OSC-1315.						
O2.F1.22.0013	2-51A-435B-DKB-1411								
	Class 2 51A	0-2AB-25102-02	NDE-66	VT-3	NA		0.226 / 6.000		F01.022.04
Spring Hgr		O-ISIN4-101A-2.3							
			Calculation No. OSC-481. Inspect with C03.020.034.						
O2.F1.22.0023	2-53B-5-0-1439A-H56								
	Class 2 53B	0-2AB-25305-01	NDE-66	VT-3	NA		0.000 / 10.000		F01.022.05
Spring Hgr		O-ISIN4-102A-2.2							
			Calculation No. OSC-491.						
O2.F1.22.0025	2-54A-3-0-435B-H25								
	Class 2 54A	2-54-1/sht.1	NDE-66	VT-3	NA		0.216 / 8.000		F01.022.06
Spring Hgr		O-ISIN4-103A-2.1							
			Calculation No. OSC-494. Inspect with C03.020.051.						

Summary Num	Component ID *Class / System*	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A									
O2.F1.30.0013	2-03-0-1439B-H54								
	Class 3 03	2-01-03/sht.1	NDE-66	VT-3	NA		0.000 / 24.000		F01.030.02(
Rigid Support		O-ISIN4-121B-2.3							
			Calculation No. OSC-454. Inspect with item number H04.001.002.						
O2.F1.30.0014	2-03A-1-0-1401B-SR8								
	Class 3 03A	2-03A-05/sht.5	NDE-66	VT-3	NA		0.000 / 6.000		F01.030.02'
Rigid Support		O-ISIN4-121D-2.1							
			Calculation No. OSC-447.						
O2.F1.30.0020	2-03A-0-1400A-MDH-1101								
	Class 3 03A	0-2TB-203A12-01	NDE-66	VT-3	NA		0.500 / 6.000		F01.030.02'
Rigid Support		O-ISIN4-121D-2.1							
			Calculation No. OSC-1213. Inspect with D01.020.015.						
O2.F1.30.0035	2-14B-0-437B-JEJ-1705								
	Class 3 14B	0-2AB-21405-02	NDE-66	VT-3	NA		0.000 / 12.000		F01.030.07'
Rigid Support		O-ISIN4-124B-1.1							
			Calculation No. OSC-473.						
O2.F1.31.0002	2-03A-1-0-1401A-SR28								
	Class 3 03A	2-03A-06/sht.1	NDE-66	VT-3	NA		0.000 / 6.000		F01.031.01'
Rigid Restraint		O-ISIN4-121D-2.1							
			Calculation No. OSC-459.						
O2.F1.31.0004	2-03A-1-0-1401B-SR4								
	Class 3 03A	2-03A-05/sht.5	NDE-66	VT-3	NA		0.000 / 6.000		F01.031.01'
Rigid Restraint		O-ISIN4-121D-2.1							
			Calculation No. OSC-447.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
			Description / Comments						
Category F-A									
O2.F1.31.0015	2-07A-1400A-H4089								
	Class 3 07A	0-2TB-20701-06	NDE-66	VT-3	NA		0.000 / 8.000		F01.031.03
Rigid Restraint		O-ISIN4-121A-2.8							
			Calculation No. OSC-467.						
O2.F1.31.0025	2-14B-1-0-1439-H13								
	Class 3 14B	4-14-04/sht.3	NDE-66	VT-3	NA		0.000 / 8.000		F01.031.06
Rigid Restraint		O-ISIN4-124B-2.2							
			Calculation No. OSC-474. When examining this support, which is part of a gang hanger, the examination boundary should be extended back to the building structure. Support sketch 2-GH-QR-7879-03 will also be needed to complete this exam.						
O2.F1.31.0027	2-57-0-1481A-H4								
	Class 3 57	0-2RB-25701-01	NDE-66	VT-3	NA		1.000 / 12.000		F01.031.07
Rigid Restraint		O-ISIN4-107A-2.1							
			Calculation No. OSC-1332-06. Inspect with D01.020.075.						
O2.F1.32.0004	2-03-0-1401A-R7								
	Class 3 03	2-03-01/sht.1	NDE-66	VT-3	NA		1.000 / 24.000		F01.032.01
Hyd Snubber		O-ISIN4-121B-2.3							
			Calculation No. OSC-454. Inspect with D01.020.010, H04.001.008 and H04.001.008A.						
O2.F1.32.0014	2-57-0-1480A-NWIZ								
	Class 3 57	0-2RB-25701-01	NDE-66	VT-3	NA		0.000 / 12.000		F01.032.06
Mech Snubber		O-ISIN4-107A-2.1							
			Calculation No. OSC-1332-06.						
O2.F1.40.0019	2-RCSR-FTR								
	Class 2	OM-201-2135	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.01
		O-ISIN4-101A-2.1							
		0-2AB-25106-02							
			Reactor Coolant Seal Return Filter. This support is listed as 2-51A-3-0-1436A-H79.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A									
O2.F1.40.0027	2-50-RCPM-2B1-SS3								
	Class 1	0-1066A	NDE-66	VT-3	NA		0.000 / 6.000		F01.040.027
Hyd Snubber		O-ISIN4-100A-2.1 O-ISIN4-100A-2.3							
			Calculation No. OSC-0991-01-0001, Reactor Coolant Pump 2B1 Motor Snubbers. Reference PIP 0-O96-1575.						
Category Q-A									
O2.Q1.1.0001	2RC-326-21V								
	Class 1 50	ISI-OCN2-015 ISI-OCN2-006	PDI-UT-8	UT	SS-Inconel		1.000 / 10.750	DE-13-AX-01 DE-13-CIRC-01	---
Dissimilar Stress Weld		2RC-326							
			Weld Overlay Pressurizer Surge Piping. Nozzle Pc. 25. Drawing O-ISIN-100A-2.1 Weld 21V is listed on weld iso 2RC-326 but drawing ISI-OCN2-015 and ISI-OCN2-006 are listed as the iso's to show where the weld is located on the 2B Hot Leg piping loop and the location for the surge line to nozzle weld location. Weld 2RC-326-21V is weld overlay that covers weld 2-PHB-17 and weld 2-PSL-10. Inspection in outage 4 does not count in the percentages.						
O2.Q1.1.0002	2RC-266-23V								
	Class 1 50	ISI-OCN2-016 ISI-OCN2-002	PDI-UT-8	UT	SS-Inconel		.531 / 4.00	DE-6-AX-01 DE-6-CIRC-01	---
Terminal End Dissimilar Stress Weld		2RC-266							
			Weld Overlay Pressurizer Spray . Nozzle Pc. 45. Drawing O-ISIN-100A-2.1 Weld 23V is listed on weld iso 2RC-266 but drawing ISI-OCN2-016 and ISI-OCN2-002 are listed as the iso's to show where the weld is located on the PZR Spray Line piping loop and the location for the PZR Spray nozzle to SE weld location. Weld 2RC-266-23V is weld overlay that covers weld 2-PZR-WP45 and weld 2-PSP-1. Inspection in outage 4 does not count in the percentages.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Q-A									
O2.Q1.1.0003	2RC-326-22V Class 1 50	ISI-OCN2-002 O-ISIN4-100A-2.1	PDI-UT-8	UT	SS-CS		1.930 / 11.375	DE-13-AX-01 DE-13-CIRC-01	---
Terminal End Dissimilar Stress Weld		2RC-326							
			Weld Overlay Pressurizer Surge. Nozzle Pc. 8. Drawing O-ISIN-100A-2.1 Weld 22V is listed on weld iso 2RC-326 but drawing ISI-OCN2-002 is listed as the iso to show where the weld is located on the PZR Surge nozzle to SE weld location. Weld 2RC-326-22V is weld overlay that covers weld 2-PZR-WP23. Inspection in outage 4 does not count in the percentages. The inspection in outage 5 is part of the 25% of the population of weld overlaid items that is required to be examined during the 10 year interval. The weld in outage 5 does count in the percentages (25%) for Appendix Q.						
O2.Q1.1.0004	2-PZR-WP91-1-WOL Class 1 50	ISI-OCN2-002 O-ISIN4-100A-2.1	PDI-UT-8	UT	SS-CS		/ 2.5	DE-6-AX-01 DE-6-CIRC-01	---
Terminal End Dissimilar									
			Weld Overlay Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32. W-X Quadrant. Weld 2-PZR-WP91-1 has weld overlay added to it and now uses the ID 2-PZR-WP91-1-WOL. Inspection in outage 4 does not count in the percentage required (25%) for Appendix Q. The inspection in outage 5 is part of the 25% of the population of weld overlaid items that is required to be examined during the 10 year interval. The inspection of this weld in outage 5 does count in the percentages (25%) for Appendix Q.						
O2.Q1.1.0005	2-PZR-WP91-2-WOL Class 1 50	ISI-OCN2-002 O-ISIN4-100A-2.1	PDI-UT-8	UT	SS-CS		/ 2.5	DE-6-AX-01 DE-6-CIRC-01	---
Terminal End Dissimilar									
			Weld Overlay Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32. X-Y Quadrant. Weld 2-PZR-WP91-2 has weld overlay added to it and now uses the ID 2-PZR-WP91-2-WOL. Inspection in outage 4 does not count in the percentage required (25%) for Appendix Q.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Q-A									
O2.Q1.1.0006	2-PZR-WP91-3-WOL								
	Class 1 50	ISI-OCN2-002 O-ISIN4-100A-2.1	PDI-UT-8	UT	SS-CS		/ 2.5	DE-6-AX-01 DE-6-CIRC-01	---
Terminal End Dissimilar									
			Weld Overlay Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32. Z-W Quadrant. Weld 2-PZR-WP91-3 has weld overlay added to it and now uses the ID 2-PZR-WP91-3-WOL. Inspection in outage 4 does not count in the percentage required (25%) for Appendix Q.						
O2.Q1.1.0007	2-53A-10-13V								
	Class 1 53A	ISI-OCN2-005 2-53A-10	PDI-UT-8	UT	SS-Inconel		1.125 / 12.000	DE-13-AX-01 DE-13-CIRC-01	---
Dissimilar Stress Weld		O-ISIN4-100A-2.1							
			Weld Overlay Low Pressure Injection System. Decay Heat Nozzle Inconel Buttering Pc. 34 to Pipe (12" NPS). Weld 2-53A-10-13V is listed on weld iso 2-53A-10 but drawing ISI-OCN2-005 is listed as the iso to show where the weld is located on the 'A" Hot Leg reactor coolant piping loop. Weld 2-53A-10-13V is weld overlay that covers weld 2-PHA-17 and weld 2-53A-10-10A. Inspection in outage 4 does not count in the percentages for Appendix Q.						

End of Report

STATISTICS ONLY Class 1 175 Class 2 87 Class 3 19 Total by Class 281 Systems 281 Total Count 281

4

4.0 Results Of Inspections Performed

The results of each examination shown in the final Inservice Inspection Plan (Section 3 of this report) are included in this section. The completion date and status for each examination are shown. All examinations revealing reportable indications and any corrective action required as a result are described in further detail in Subsections 4.1 and 4.2. Corrective measures performed and limited examinations are described in further detail in Subsections 4.3 and 4.4.

4.1 Reportable Indications

EOC 24 (Outage 4) did not have any reportable indications during this report period.

4.2 Corrective Action

Corrective action is action taken to resolve flaws and relevant conditions, including supplemental examinations, analytical evaluations, repair / replacement activities, and corrective measures. There were no problems that required corrective action during this report period.

4.3 Corrective Measures

Corrective measures are actions (such as maintenance) taken to resolve relevant conditions, but not including supplemental examinations, analytical evaluations, and repair / replacement activities. Any corrective measures performed for examinations associated with this report period will be shown on the examination data sheets which are on file at the Duke's Corporate Office in Charlotte, North Carolina.

4.4 Limited Examinations

Limited examinations (i.e., 90% or less of the required examination coverage obtained) identified during EOC 24 (Outage 4) are shown in the table below.

A Request for Relief will be submitted to seek NRC acceptance of the limited coverage for the items listed in the table below.

Summary/Item Number	***Description of Limitation***
O2.B3.110.0002	See PIP O-10-02605 for corrective action on this limitation
O2.B3.110.0003	See PIP O-10-02605 for corrective action on this limitation
O2.B3.110.0005	See PIP O-10-02605 for corrective action on this limitation
O2.B9.11.0046	See PIP O-10-02605 for corrective action on this limitation
O2.B9.11.0053	See PIP O-10-02605 for corrective action on this limitation
O2.B9.11.0063	See PIP O-10-02605 for corrective action on this limitation
O2.C5.11.0038	See PIP O-10-02605 for corrective action on this limitation
O2.C5.21.0035	See PIP O-10-02605 for corrective action on this limitation

Welds 2-51A-0029-94 and 2-HP-0396-23 are Class 2 welds that had PSI exams performed on them during 2EOC-24 and had limited coverage (less than 90%). See PIP O-10-02605 for the corrective action on these exams.

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Inspection Results
Oconee 2, 4th Interval, Outage 4 (EOC-24)

FOR INFORMATION ONLY!

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B10.20.0008	2-53A-0-1478A-H1A	53A	05/09/10	CLR	N	N	N	PT-10-273
O2.B12.30.0001	2-51A-HP-126	53A	05/04/10	CLR	N	N	N	PT-10-270
O2.B15.210.0001	2RC-278-66	50	04/26/10	CLR	N	N	N	VT-10-493
O2.B15.210.0002	2RC-278-70V	50	04/26/10	CLR	N	N	N	VT-10-494
O2.B15.210.0003	2RC-277-50	50	04/26/10	CLR	N	N	N	VT-10-486
O2.B15.210.0004	2RC-277-71V	50	04/26/10	CLR	N	N	N	VT-10-487
O2.B15.210.0005	2RC-278-23	50	04/26/10	CLR	N	N	N	VT-10-495
O2.B15.210.0006	2RC-278-69	50	04/26/10	CLR	N	N	N	VT-10-496
O2.B15.210.0007	2RC-277-24	50	04/26/10	CLR	N	N	N	VT-10-479
O2.B15.210.0008	2RC-277-70	50	04/26/10	CLR	N	N	N	VT-10-488
O2.B15.210.0009	2-PHA-13	50	04/26/10	CLR	N	N	N	VT-10-497
O2.B15.210.0010	2-PHA-14	50	04/26/10	CLR	N	N	N	VT-10-498

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B15.210.0011	2-PHA-15	50	04/26/10	CLR	N	N	N	VT-10-499
O2.B15.210.0012	2-PHB-13	50	04/26/10	CLR	N	N	N	VT-10-489
O2.B15.210.0013	2-PHB-14	50	04/26/10	CLR	N	N	N	VT-10-490
O2.B15.210.0014	2-PHB-15	50	04/26/10	CLR	N	N	N	VT-10-491
O2.B15.210.0015	2SGA-HL-CON-36	50	04/26/10	CLR	N	N	N	VT-10-500
O2.B15.210.0016	2SGB-HL-CON-27	50	04/26/10	CLR	N	N	N	VT-10-492
O2.B15.215.0003	2-PIB1-11	50	04/27/10	CLR	N	N	N	VT-10-481 This weld had weld overlay applied over it after the exam in 2EOC-24 was performed. It will not be accessible for examination in the future.
O2.B15.215.0004	2-51A-35-15A	51A	04/27/10	CLR	N	N	N	VT-10-482 This weld had weld overlay applied over it after the exam in 2EOC-24 was performed. It will not be accessible for examination in the future.
O2.B15.215.0007	2-PIB1-7	50	04/27/10	CLR	N	N	N	VT-10-480
O2.B15.215.0008	2-PIB2-7	50	04/27/10	CLR	N	N	N	VT-10-484
O2.B15.215.0011	2-PDB1-2	50	04/26/10	CLR	N	N	N	VT-10-483
O2.B15.215.0012	2-PDB2-2	50	04/26/10	CLR	N	N	N	VT-10-485
O2.B15.215.0020	2-PIB2-11	50	04/27/10	CLR	N	N	N	VT-10-507

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B15.215.0021	2-50-7-8	50	04/27/10	CLR	N	N	N	VT-10-508
O2.B15.215.0026	2-PIB1-12	50	04/27/10	CLR	N	N	N	VT-10-509
O2.B15.215.0027	2-PIB2-12	50	04/27/10	CLR	N	N	N	VT-10-510
O2.B15.80.0001	2-RPV-BMI-NOZZLES	50	04/26/10	CLR	N	N	N	VT-10-505
O2.B2.11.0002	2-PZR-WP28	50	05/13/10	CLR	N	N	N	UT-10-482
		50	05/13/10	CLR	Y	N	N	UT-10-484 Greater than 90% coverage.
		50	05/14/10	REC	N	N	N	UT-10-489 Indications # 1 & 2 are subsurface linear volumetric indications that are acceptable per IWB-3510.
O2.B2.12.0002	2-PZR-WP7-1	50	05/13/10	CLR	N	N	N	UT-10-483
		50	05/13/10	CLR	N	N	N	UT-10-485
O2.B3.110.0002	2-PZR-WP34	50	05/03/10	CLR	Y	N	Y	UT-10-444 PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.
		50	05/03/10	CLR	Y	N	Y	UT-10-452 PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.
O2.B3.110.0003	2-PZR-WP33-3	50	05/03/10	CLR	Y	N	Y	UT-10-446 PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B3.110.0003	2-PZR-WP33-3	50	05/03/10	CLR	Y	N	Y	UT-10-447 PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.
O2.B3.110.0005	2-PZR-WP33-1	50	05/03/10	CLR	Y	N	Y	UT-10-450 PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.
		50	05/03/10	CLR	Y	N	Y	UT-10-451 PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.
O2.B3.120.0002	2-PZR-WP34	50	05/12/10	CLR	N	N	N	UT-10-490
O2.B3.120.0003	2-PZR-WP33-3	50	05/12/10	CLR	N	N	N	UT-10-491
O2.B3.120.0004	2-PZR-WP33-2	50	05/12/10	CLR	N	N	N	UT-10-492
O2.B3.120.0005	2-PZR-WP33-1	50	05/12/10	CLR	N	N	N	UT-10-493
O2.B5.10.0001	2-RPV-WR53	50	05/09/10	CLR	Y	N	N	UT-NA Greater than 90 % coverage achieved.
O2.B5.10.0002	2-RPV-WR53A	50	05/09/10	CLR	Y	N	N	UT-NA Greater than 90 % coverage achieved.
O2.B6.60.0001	2-PZR-MW-STUDS	50	05/13/10	CLR	N	N	N	UT-10-478
O2.B6.80.0001	2-PZR-MW-NUTS	50	05/05/10	CLR	N	N	N	VT-10-538

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B7.30.0005	2-SGA-UHHC-STUDS	50	05/01/10	CLR	N	N	N	VT-10-533
O2.B7.30.0006	2-SGB-UHHC-STUDS	50	05/01/10	CLR	N	N	N	VT-10-534
O2.B7.70.0005	2-53A-LP1-STUDS	53A	05/06/10	CLR	N	N	N	VT-10-539
O2.B9.11.0006	2-PDA1-2	50	05/04/10	CLR	N	N	N	PT-10-262
		50	04/30/10	CLR	N	N	N	UT-10-398
O2.B9.11.0007	2-PDA2-2	50	05/04/10	CLR	N	N	N	PT-10-261
		50	05/02/10	REC	N	N	N	UT-10-383
								Indication # 1 is a subsurface flaw that is acceptable per IWB-3514-2.
O2.B9.11.0008	2-PDB1-2	50	05/03/10	CLR	N	N	N	PT-10-256
		50	05/03/10	CLR	N	N	N	UT-10-394
O2.B9.11.0009	2-PDB2-2	50	05/03/10	CLR	N	N	N	PT-10-260
		50	05/03/10	CLR	N	N	N	UT-10-392
O2.B9.11.0012	2-PIA1-7	50	04/28/10	CLR	N	N	N	PT-10-254
		50	04/29/10	CLR	N	N	N	UT-10-396
O2.B9.11.0013	2-PIA2-7	50	04/30/10	CLR	N	N	N	PT-10-257
		50	04/30/10	CLR	N	N	N	UT-10-399

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B9.11.0014	2-PIB1-7	50	05/03/10	CLR	N	N	N	PT-10-258
		50	05/03/10	CLR	N	N	N	UT-10-391
O2.B9.11.0015	2-PIB2-7	50	05/03/10	CLR	N	N	N	PT-10-259
		50	05/01/10	REC	N	N	N	UT-10-384 Indication # 1 is a subsurface flaw that is acceptable per IWB-3514-2.
O2.B9.11.0020	2RC-279-88V	50	04/29/10	CLR	N	N	N	MT-10-094
		50	04/29/10	CLR	N	N	N	UT-10-372
O2.B9.11.0046	2-PIA1-8	50	05/15/10	CLR	Y	N	Y	UT-10-498 Best effort exam for coverage.
		50	05/16/10	CLR	Y	N	Y	UT-10-499 PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.
O2.B9.11.0053	2-PDA2-1	50	05/13/10	CLR	Y	N	Y	UT-10-480 PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.
		50	05/13/10	CLR	Y	N	Y	UT-10-487 Best effort exam for coverage.
O2.B9.11.0063	2-PDB2-1	50	05/13/10	CLR	Y	N	Y	UT-10-481 PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B9.11.0063	2-PDB2-1	50	05/13/10	CLR	Y	N	Y	UT-10-486 Best effort exam for coverage.
O2.B9.11.0068	2-53A-10-8	53A	05/08/10	CLR	N	N	N	UT-10-419
O2.B9.11.0074	2-53A-8-60	53A	05/10/10	CLR	N	N	N	UT-10-436
O2.B9.21.0007	2-PDB2-11	50	05/04/10	CLR	N	N	N	PT-10-266
O2.B9.21.0033	2RC-202-17	51A	05/04/10	CLR	N	N	N	PT-10-271
O2.B9.21.0038	2RC-203-4	51A	05/04/10	CLR	N	N	N	PT-10-269
O2.B9.21.0039	2RC-204-37	51A	05/04/10	CLR	N	N	N	PT-10-267
O2.B9.21.0042	2RC-205-1	51A	05/04/10	CLR	N	N	N	PT-10-265
O2.B9.21.0043	2RC-205-3	51A	05/04/10	CLR	N	N	N	PT-10-264
O2.B9.21.0044	2RC-205-4	51A	05/04/10	CLR	N	N	N	PT-10-263
O2.B9.21.0048	2-51A-30-11	51A	05/12/10	CLR	N	N	N	PT-10-274
O2.B9.21.0066	2HP-216-4	51A	05/07/10	CLR	N	N	N	PT-10-272
O2.B9.21.0067	2HP-216-8	51A	05/04/10	CLR	N	N	N	PT-10-268
O2.B9.32.0003	2-PDB1-10	50	05/04/10	CLR	N	N	N	MT-10-097

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B9.32.0005	2-PDB2-10	50	05/04/10	CLR	N	N	N	MT-10-098
O2.B9.32.0007	2-PIA2-10	50	05/14/10	CLR	N	N	N	MT-10-105
O2.B9.40.0005	2RC-271-7	50	04/30/10	CLR	N	N	N	PT-10-255
O2.B9.40.0008	2-50-7-102	50	04/29/10	CLR	N	N	N	PT-10-253
O2.C3.20.0004	2-01A-0-1481B-H11B	01A	05/13/10	CLR	N	N	N	MT-10-100
O2.C3.20.0016	2-51A-435B-DKB-1411	51A	02/09/10	CLR	N	N	N	PT-09-251
O2.C3.20.0029	2-54A-3-0-435B-H25	54A	02/09/10	CLR	N	N	N	PT-09-252
O2.C3.20.0034	2-54A-3-0-1439C-H5	54A	02/01/10	CLR	N	N	N	PT-09-250
O2.C5.11.0009	2LP-150-39	53A	02/01/10	CLR	N	N	N	UT-09-357
O2.C5.11.0010	2LP-150-40	53A	02/01/10	CLR	N	N	N	UT-09-358
O2.C5.11.0013	2LP-148-89	53A	02/01/10	CLR	N	N	N	UT-09-359
O2.C5.11.0014	2LP-148-92	53A	02/02/10	CLR	Y	N	N	UT-09-361 Greater than 90% coverage achieved.
O2.C5.11.0037	2LP-215-2	53A	05/09/10	CLR	N	N	N	UT-10-420

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.11.0038	2LP-215-27	53A	05/09/10	CLR	Y	N	Y	UT-10-466 PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.
O2.C5.11.0039	2LP-215-3	53A	05/09/10	CLR	N	N	N	UT-10-421
O2.C5.11.0040	2LP-215-5	53A	05/08/10	CLR	N	N	N	UT-10-415
O2.C5.11.0041	2LP-215-6	53A	05/08/10	CLR	N	N	N	UT-10-413
O2.C5.11.0042	2LP-215-9	53A	05/09/10	CLR	N	N	N	UT-10-422
O2.C5.11.0043	2LP-216-1	53A	05/08/10	CLR	N	N	N	UT-10-414
O2.C5.11.0044	2LP-216-10	53A	05/08/10	CLR	N	N	N	UT-10-416
O2.C5.11.0045	2LP-216-14	53A	05/08/10	CLR	N	N	N	UT-10-417
O2.C5.11.0046	2LP-216-15	53A	05/08/10	CLR	N	N	N	UT-10-418
O2.C5.11.0070	2LPS-724-1	14B	05/10/10	CLR	N	N	N	UT-10-437
O2.C5.11.0075	2LPS-724-17	14B	05/10/10	CLR	N	N	N	UT-10-439
O2.C5.11.0077	2LPS-724-2	14B	05/10/10	CLR	N	N	N	UT-10-438
O2.C5.21.0033	2HP-222-106AA	51A	02/03/10	CLR	N	N	N	UT-09-365
O2.C5.21.0034	2HP-222-106C	51A	02/03/10	CLR	N	N	N	UT-09-364

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.21.0035	2HP-341-V1	51A	02/02/10	CLR	Y	N	Y	UT-09-362 PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.
O2.C5.21.0036	2-51A-28-65	51A	02/02/10	CLR	N	N	N	UT-09-360
O2.C5.21.0051	2-51A-17-97	51A	05/11/10	CLR	N	N	N	UT-10-479
O2.C5.21.0053	2-51A-17-98B	51A	05/05/10	CLR	N	N	N	UT-10-386
O2.C5.21.0054	2-51A-17-98D	51A	05/05/10	CLR	N	N	N	UT-10-387
O2.C5.21.0489	2-51A-17-96	51A	05/11/10	CLR	N	N	N	UT-10-474
O2.C5.51.0005	2MS-123-27	01A	05/12/10	CLR	N	N	N	UT-10-465
O2.C5.51.0006	2MS-103-9	01A	05/15/10	CLR	N	N	N	UT-10-494
O2.C5.51.0014	2FDW-210-21	03A	05/14/10	CLR	N	N	N	UT-10-488
O2.C5.51.0018	2-03A-67-7	03A	02/03/10	CLR	N	Y	N	UT-09-363 Indications 1 & 2 were determined to be geometric reflectors due to weld backing ring.
O2.C5.51.0022	2FDW-226-37	03	05/15/10	CLR	N	N	N	UT-10-495
O2.C5.51.0035	2LPS-606-2	14B	02/03/10	CLR	N	Y	N	UT-09-367 Indications 1 2, & 3 were determined to be geometric reflectors due to weld backing ring.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.51.0036	2LPS-606-3	14B	02/03/10	CLR	N	Y	N	UT-09-368 Indication 1 was determined to be root geometry.
O2.C5.51.0038	2LPS-606-82	14B	02/03/10	CLR	N	N	N	UT-09-366
O2.C5.51.0042	2FDW-226-36	03	05/15/10	CLR	N	N	N	UT-10-496
O2.C5.51.0053	2-03-18-44AA	03	05/11/10	CLR	N	N	N	UT-10-471
O2.C5.61.0004	2-14-238-24	03A	05/14/10	CLR	N	N	N	RT-NA
O2.D1.20.0004	2-03-0-1401A-R7	03	04/29/10	CLR	N	N	N	VT-10-543
O2.D1.20.0009	2-03A-0-1400A-MDH-1101	03A	03/01/10	CLR	N	N	N	VT-10-473
O2.D1.20.0027	2-57-0-1481A-H4	57	05/08/10	CLR	N	N	N	VT-10-544
O2.F1.11.0001	2-51A-0-1479A-H10A	51A	04/29/10	CLR	N	N	N	VT-10-528
O2.F1.11.0008	2-53A-0-1480A-H26C	53A	04/29/10	CLR	N	N	N	VT-10-529
O2.F1.12.0008	2-53A-0-1478A-H1A	53A	05/08/10	CLR	N	N	N	VT-10-540
O2.F1.20.0014	2-51A-3-0-437B-DE048	51A	04/14/10	CLR	N	N	N	VT-10-477
O2.F1.20.0025	2-51A-0-1439C-H166	51A	02/04/10	CLR	N	N	N	VT-09-464
O2.F1.20.0035	2-53B-0-435B-DE015	53B	02/10/10	CLR	N	N	N	VT-09-468

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.20.0040	2-53B-2-0-435B-R69	53B	02/10/10	CLR	N	N	N	VT-09-467
O2.F1.20.0042	2-53B-1-0-1439C-DE067	53B	02/04/10	CLR	N	N	N	VT-09-463
O2.F1.20.0054	2-54A-3-0-1439C-H5	54A	02/04/10	REC	N	N	N	VT-09-462 The discrepancies that were found were reviewed by civil engineering and the support was determined to be acceptable for service. Work Order # 01000992 was written to correct problems.
O2.F1.20.0056	2-54A-3-0-435B-R10	54A	02/10/10	CLR	N	N	N	VT-09-469
O2.F1.21.0011	2-14-1478F-H6091	14	05/04/10	CLR	N	N	N	VT-10-536
O2.F1.21.0016	2-51A-0-1478A-H13C	51A	05/17/10	CLR	N	N	N	VT-10-548
O2.F1.21.0021	2-51A-2-0-438C-SP115	51A	04/08/10	CLR	N	N	N	VT-10-478
O2.F1.21.0023	2-51B-436J-DE013	51B	04/28/10	CLR	N	N	N	VT-10-511
O2.F1.21.0030	2-53B-5-0-1436A-R5	53B	03/08/10	CLR	N	N	N	VT-10-475
O2.F1.21.0038	2-56-438B-DE002	56	03/09/10	REC	N	N	N	VT-10-476 The discrepancies that were found were reviewed by civil engineering and the support was determined to be acceptable for service.
O2.F1.21.0039	2-56-0-1478A-H11	56	05/08/10	CLR	N	N	N	VT-10-541

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.22.0002	2-01A-0-1481B-H11B	01A	05/02/10	REC	N	N	N	VT-10-530 The discrepancies that were found were reviewed by civil engineering and the support was determined to be acceptable for service. Work Order # 1895287 was written to correct problems.
O2.F1.22.0008	2-01A-0-1480A-H1A	01A	05/11/10	CLR	N	N	N	VT-10-545
O2.F1.22.0013	2-51A-435B-DKB-1411	51A	02/10/10	CLR	N	N	N	VT-09-465
O2.F1.22.0023	2-53B-5-0-1439A-H56	53B	01/27/10	CLR	N	N	N	VT-09-460
O2.F1.22.0025	2-54A-3-0-435B-H25	54A	02/10/10	CLR	N	N	N	VT-09-466
O2.F1.30.0013	2-03-0-1439B-H54	03	04/28/10	CLR	N	N	N	VT-10-512
O2.F1.30.0014	2-03A-1-0-1401B-SR8	03A	04/27/10	CLR	N	N	N	VT-10-514
O2.F1.30.0020	2-03A-0-1400A-MDH-1101	03A	03/01/10	CLR	N	N	N	VT-10-471
O2.F1.30.0035	2-14B-0-437B-JEJ-1705	14B	05/13/10	CLR	N	N	N	VT-10-547
O2.F1.31.0002	2-03A-1-0-1401A-SR28	03A	04/27/10	CLR	N	N	N	VT-10-515
O2.F1.31.0004	2-03A-1-0-1401B-SR4	03A	04/27/10	CLR	N	N	N	VT-10-516
O2.F1.31.0015	2-07A-1400A-H4089	07A	03/01/10	CLR	N	N	N	VT-10-472
O2.F1.31.0025	2-14B-1-0-1439-H13	14B	01/28/10	CLR	N	N	N	VT-09-461

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.31.0027	2-57-0-1481A-H4	57	05/08/10	CLR	N	N	N	VT-10-542
O2.F1.32.0004	2-03-0-1401A-R7	03	05/03/10	CLR	N	N	N	VT-10-531
O2.F1.32.0014	2-57-0-1480A-NWIZ	57	04/29/10	CLR	N	N	N	VT-10-526
O2.F1.40.0019	2-RCSR-FTR		03/10/10	CLR	N	N	N	VT-10-474
O2.F1.40.0027	2-50-RCPM-2B1-SS3		04/29/10	CLR	N	N	N	VT-10-527
O2.G1.1.0001	2-RCP-2A1	50	04/28/10	CLR	N	N	N	UT-10-369
O2.G1.1.0005	2-RCP-2A2	50	05/16/10	CLR	N	N	N	UT-10-497
O2.G1.1.0006	2-RCP-2B1	50	05/03/10	CLR	N	N	N	UT-10-376
O2.G1.1.0007	2-RCP-2B2	50	05/03/10	CLR	N	N	N	UT-10-378
O2.G12.1.0005	2-PDB2-11	50	05/10/10	CLR	N	N	N	UT-10-464
O2.G12.2.0001	2-RPV-WR53	50	05/09/10	CLR	Y	N	N	UT-NA Greater than 90 % coverage was achieved.
O2.G12.2.0002	2-RPV-WR53A	50	05/09/10	CLR	Y	N	N	UT-NA Greater than 90 % coverage was achieved.
O2.G12.2.0005	2-PIA1-7	50	04/29/10	CLR	N	N	N	UT-10-370

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G12.2.0006	2-PIA2-7	50	04/30/10	CLR	N	N	N	UT-10-400
O2.G12.2.0007	2-PIB1-7	50	05/03/10	CLR	N	N	N	UT-10-390
O2.G12.2.0008	2-PIB2-7	50	05/01/10	REC	N	N	N	UT-10-385 Indication # 1 is a subsurface flaw that is acceptable per IWB-3514-2.
O2.G12.2.0009	2-PDA1-2	50	04/30/10	CLR	N	N	N	UT-10-371
O2.G12.2.0010	2-PDA2-2	50	05/02/10	REC	N	N	N	UT-10-382 Indication # 1 is a subsurface flaw that is acceptable per IWB-3514-2.
O2.G12.2.0011	2-PDB1-2	50	05/03/10	CLR	N	N	N	UT-10-395
O2.G12.2.0012	2-PDB2-2	50	05/03/10	CLR	N	N	N	UT-10-393
O2.G14.1.0001	2-PZR-THERM	50	04/27/10	CLR	N	N	N	VT-10-506
O2.G16.1.0001	2-50-7-8	50	05/03/10	CLR	N	N	N	UT-10-379
O2.G16.1.0002	2-50-7-9	50	05/03/10	CLR	N	N	N	UT-10-380
O2.G16.1.0003	2-50-7-ELBOW	50	05/03/10	CLR	N	N	N	UT-10-381
O2.G2.1.0001	2-PDB1-46	50	05/07/10	CLR	N	N	N	UT-10-411
O2.G2.1.0002	2-PDA2-46	50	05/04/10	CLR	N	N	N	UT-10-388

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G2.1.0003	2-PDA1-46	50	05/04/10	CLR	N	N	N	UT-10-389
O2.G2.1.0004	2-PDB2-46	50	05/07/10	CLR	N	N	N	UT-10-412
O2.G2.1.0005	2-PDA1-11	50	05/10/10	CLR	N	N	N	UT-10-456
O2.G2.1.0006	2-PDA2-11	50	05/10/10	CLR	N	N	N	UT-10-458
O2.G2.1.0007	2-PDB2-11	50	05/10/10	CLR	N	N	N	UT-10-462
O2.G2.1.0008	2-PDB1-11	50	05/10/10	CLR	N	N	N	UT-10-460
O2.G2.1.0009	2-PDB1-47	50	05/10/10	CLR	N	N	N	UT-10-461
O2.G2.1.0010	2-PDB2-47	50	05/10/10	CLR	N	N	N	UT-10-463
O2.G2.1.0011	2-PDA1-47	50	05/10/10	CLR	N	N	N	UT-10-457
O2.G2.1.0012	2-PDA2-47	50	05/10/10	CLR	N	N	N	UT-10-459
O2.G2.1.0013	2RC-204-37	50	05/06/10	CLR	N	N	N	UT-10-401
O2.G2.1.0014	2RC-202-17	50	05/09/10	CLR	N	N	N	UT-10-432
O2.G2.1.0015	2RC-203-32	50	05/06/10	CLR	N	N	N	UT-10-402
O2.G2.1.0016	2RC-205-1	50	05/09/10	CLR	N	N	N	UT-10-433

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G2.1.0017	2RC-203-3	50	05/06/10	CLR	N	N	N	UT-10-403
O2.G2.1.0018	2RC-202-19	50	05/09/10	CLR	N	N	N	UT-10-435
O2.G2.1.0019	2RC-204-20	50	05/06/10	CLR	N	N	N	UT-10-470
O2.G2.1.0020	2RC-205-3	50	05/09/10	CLR	N	N	N	UT-10-434
O2.G2.1.0021	2A2 THERM-SLEEVE	50	05/05/10	CLR	N	N	N	RT-NA
O2.G2.1.0022	2B1 THERM-SLEEVE	50	05/06/10	CLR	N	N	N	RT-NA
O2.G2.1.0023	2A1 THERM-SLEEVE	50	05/04/10	CLR	N	N	N	RT-NA
O2.G2.1.0024	2B2 THERM-SLEEVE	50	05/07/10	CLR	N	N	N	RT-NA
O2.G4.1.0001	2RC-202-17	51A	05/09/10	CLR	N	N	N	UT-10-426
O2.G4.1.0002	2RC-202-19	51A	05/09/10	CLR	N	N	N	UT-10-427
O2.G4.1.0003	2RC-205-1	51A	05/09/10	CLR	N	N	N	UT-10-428
O2.G4.1.0004	2RC-205-3	51A	05/09/10	CLR	N	N	N	UT-10-430
O2.G4.1.0005	2HP-218-18	51A	05/12/10	CLR	N	N	N	UT-10-469
O2.G4.1.0006	2HP-214-13	51A	05/10/10	CLR	N	N	N	UT-10-442

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G4.1.0007	2HP-214-15	51A	05/10/10	CLR	N	N	N	UT-10-440
O2.G4.1.0008	2RC-202-4	51A	05/07/10	CLR	N	N	N	RT-NA
		51A	05/09/10	CLR	N	N	N	UT-10-429
O2.G4.1.0009	2RC-203-4	51A	05/04/10	CLR	Y	N	N	RT-NA Greater than 90% coverage.
		51A	05/06/10	CLR	N	N	N	UT-10-404
O2.G4.1.0010	2RC-204-4	51A	05/05/10	CLR	N	N	N	RT-NA
		51A	05/06/10	CLR	N	N	N	UT-10-405
O2.G4.1.0011	2RC-205-4	51A	05/06/10	CLR	N	N	N	RT-NA
		51A	05/09/10	CLR	N	N	N	UT-10-431
O2.G4.1.0012	2HP-214-14	51A	05/10/10	CLR	N	N	N	UT-10-441
O2.G4.1.0013	2HP-216-7	51A	05/11/10	CLR	N	N	N	UT-10-455
O2.G4.1.0014	2HP-216-8	51A	05/11/10	CLR	N	N	N	UT-10-454
O2.G4.1.0015	2HP-216-9	51A	05/11/10	CLR	N	N	N	UT-10-453
O2.G4.1.0016	2HP-217-10	51A	05/10/10	CLR	N	N	N	UT-10-424
O2.G4.1.0017	2HP-217-11	51A	05/10/10	CLR	N	N	N	UT-10-425

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G4.1.0018	2HP-217-12	51A	05/10/10	CLR	N	N	N	UT-10-423
O2.G4.1.0019	2HP-218-20	51A	05/12/10	CLR	N	N	N	UT-10-406
O2.G4.1.0020	2HP-218-21	51A	05/12/10	CLR	N	N	N	UT-10-468
O2.G4.1.0021	2HP-218-22	51A	05/12/10	CLR	N	N	N	UT-10-467
O2.G4.1.0022	2RC-203-32	50	05/06/10	CLR	N	N	N	UT-10-407
O2.G4.1.0023	2RC-203-3	50	05/06/10	CLR	N	N	N	UT-10-408
O2.G4.1.0024	2RC-204-37	50	05/06/10	CLR	N	N	N	UT-10-409
O2.G4.1.0025	2RC-204-20	50	05/06/10	CLR	N	N	N	UT-10-410
O2.H3.1.0007	2-03-18-25	03	05/15/10					UT-NA Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
O2.H3.1.0008	2-03-18-25G	03	05/15/10					UT-NA Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
O2.H3.1.0009	2-03-18-43A	03	05/13/10					UT-NA Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.H3.1.0010	2-FWD60-A	03	05/13/10					UT-NA Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
O2.H3.1.0011	2-03-18-43AA	03	05/13/10					UT-NA Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
O2.H4.1.0002	2-03-0-1439B-H54	03	04/28/10	CLR	N	N	N	VT-10-513
O2.H4.1.0008	2-03-0-1401A-R7	03	05/13/10	CLR	N	N	N	MT-10-102
		03	05/03/10	CLR	N	N	N	VT-10-532
O2.H4.1.0032	2-01A-0-1401B-R6	01A	05/13/10	CLR	N	N	N	MT-10-101
		01A	04/27/10	CLR	N	N	N	VT-10-518
O2.H4.1.0033	2-01A-0-1401B-H10	01A	04/26/10	REC	N	N	N	VT-10-521 The discrepancies that were found were reviewed by civil engineering and the support was determined to be acceptable for service.
O2.H4.1.0034	2-01A-0-1401B-R15	01A	04/26/10	REC	N	N	N	VT-10-519 The discrepancies that were found were reviewed by civil engineering and the support was determined to be acceptable for service. Work Order # 01007912 was written to correct problems.
O2.H4.1.0035	2-01A-OM-200-30-MS-1	01A	04/26/10	CLR	N	N	N	VT-10-517
O2.H4.1.0036	2-01A-OM-200-30-MS-2	01A	04/26/10	CLR	N	N	N	VT-10-522

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.H4.1.0037	2-01A-0-1441-H16	01A	05/11/10	REC	N	N	N	VT-10-546 The discrepancies that were found were reviewed by civil engineering and the support was determined to be acceptable for service.
O2.H4.1.0038	2-01A-0-1441-R9-1	01A	04/30/10	CLR	N	N	N	MT-10-095
		01A	05/04/10	REC	N	N	N	VT-10-535 The discrepancies that were found were reviewed by civil engineering and the support was determined to be acceptable for service. Work Order # 01007908 was written to correct problems.
O2.H4.1.0039	2-01A-0-1441-H17	01A	05/04/10	CLR	N	N	N	VT-10-537
O2.H4.1.0040	2-01A-0-1401B-H18	01A	04/26/10	CLR	N	N	N	VT-10-520
O2.H4.1.0050	2-01A-0-1441-R9-2	01A	04/30/10	CLR	N	N	N	MT-10-096
		01A	04/29/10	CLR	N	N	N	VT-10-523
O2.H4.1.0051	2-01A-0-1441-R9-3	01A	05/13/10	CLR	N	N	N	MT-10-103
		01A	04/29/10	CLR	N	N	N	VT-10-524
O2.H4.1.0052	2-01A-0-1441-R9-4	01A	05/13/10	CLR	N	N	N	MT-10-104
		01A	04/29/10	CLR	N	N	N	VT-10-525
O2.H5.1.0001	2-01A-0-1441-H1	01A	05/09/10	CLR	N	N	N	MT-10-099
O2.H5.1.0002	2-MS9A-A	01A	05/12/10	CLR	N	N	N	UT-10-475

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.H5.1.0002	2-MS9A-A	01A	05/11/10					UT-NA Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
O2.H5.1.0003	2MS-103-39	01A	05/12/10	CLR	N	N	N	UT-10-476
		01A	05/11/10					UT-NA Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
O2.H5.1.0004	2-MS10A-A	01A	05/12/10	CLR	N	N	N	UT-10-477
		01A	05/11/10					UT-NA Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
O2.Q1.1.0001	2RC-326-21V	50	05/12/10	CLR	N	N	N	UT-10-472
O2.Q1.1.0002	2RC-266-23V	50	05/03/10	CLR	N	N	N	UT-10-377
O2.Q1.1.0003	2RC-326-22V	50	05/12/10	CLR	N	N	N	UT-10-473
O2.Q1.1.0004	2-PZR-WP91-1-WOL	50	05/01/10	CLR	N	N	N	UT-10-373
O2.Q1.1.0005	2-PZR-WP91-2-WOL	50	05/01/10	CLR	N	N	N	UT-10-374
O2.Q1.1.0006	2-PZR-WP91-3-WOL	50	05/01/10	CLR	N	N	N	UT-10-375
O2.Q1.1.0007	2-53A-10-13V	53A	05/10/10	CLR	N	N	N	UT-10-443

5

5.0 Owner's Report for Repair and Replacement Activities

As required by the applicable code, records of Class 1 and Class 2 Repair/Replacement Activities are included on NIS-2 forms in this section.

There are 2 Class 1 NIS-2 forms included in this section for work performed during the 2EOC-23 reporting period. PIP O-09-00530 was written to document that work orders 1762586 and 1779633 had work completed during 2EOC-23, but the documentation was not completed in time for the NIS-2 forms to be incorporated into 2EOC-23 report.

The individual work request documents and manufacturers' data reports are on file at Oconee Nuclear Station.

5.1 Class 1 and 2 Preservice Examinations

As required by the applicable code, Preservice Inspection (PSI) Examinations were performed on ISI Class 1and Class 2 items during this report period. PSI Examination data for items listed below is on file in the Oconee Nuclear Station QA Vault.
Work Order 1869317 was written to apply weld overlay on a Class 1 drain nozzle to safe-end weld in system 51A. A PSI UT exam was performed on the weld overlay (Weld # 2-51A-0035-136V).

In addition to the information above, there is a list for PSI exams that were performed and the list is located behind the NIS-2 forms in this section. The list has one page and is entitled "Preservice Examinations of Class 1 & 2 Welds". PSI examination data for items on the list previously mentioned is on file in the Oconee Nuclear Station QA Vault.

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1780230	1 of 3

1. Owner	2. Plant	Unit
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 Date: 6/3/2010

3. Work Performed by	Type Code Symbol Stamp	Authorization Number	Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Not Applicable	Not Applicable	Not Applicable

4. Identification of System, ASME Class

Reactor Coolant System, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, _____ Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2RC-2	Kerotest	Unknown	Unknown		Unk	Removed	
2RC-2	Flowserve	48BLT	2285		2008	Installed	YES
2RC-210	Velan	062044-1	None		2006	Installed	YES
2RC-211	Flowserve	89BNV	2428		2009	Installed	YES
Piping	DEC	None	None		2010	Corrected	NO
Support /w Snubber 50-0-1481A-H1	Grinnell	None	None		Unk.	Removed	NO
Support/w Snubber 50-0-1481A-H3	DEC	None	None		2010	Corrected	NO
Support/w Snubber 2-50-0-1481A-H6	DEC	None	None		2010	Corrected	NO

7. Description of Work

Replaced valve 2RC-2 and portion of RC piping, installed Valve 2RC-210 and 2RC-211, and modified, removed and installed support/restraints.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Exempt ☐ Other _____

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1780230	2 of 3

1. Owner	2. Plant	Unit
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 Date: 6/3/2010

3. Work Performed by	Type Code Symbol Stamp	Authorization Number	Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Not Applicable	Not Applicable	Not Applicable

4. Identification of System, ASME Class

Reactor Coolant System, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, _____ Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Support/w Snubber 50-0-1481A-H7	Grinnell	None	None		Unk.	Removed	NO
Support/w Snubber 50-0-1481A-H7	DEC	None	None		2010	Installed	NO
Support 2-50-1481A-H6688~~(New)~~ Rev 06-24-10	DEC	None	None		2010	Corrected	NO
Support 2-50-1481A-H6689 (New)	DEC	None	None		2010	Installed	NO
Snubber For H1	Grinnel	35407			Unk.	Removed	NO
Snubber for H7	Grinnel	33408			Unk.	Removed	NO
Snubber for H7	Anvil	36430			Unk.	Installed	NO
Snubber for H6689	Anvil	37350			Unk.	Installed	NO

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1780230	3 of 3

9. Remarks (Applicable Manufacturer's Data Reports to be attached)

❶ S/R 50-0-1481A-H3, existing Grinnell Snubber Ser. # 36554 UTC 1832940, Clamp UTC 195366, Tube Steel UTC 1891638 & 1944314, Flat Bar UTC 1929450, Rear Bracket UTC 1954313, load pin UTC 1907439

❷ S/R 2-50-0-481A-H6, Round Bar UTC 1930814, Plate UTC 1823969

❸ S/R 50-0-481A-H7, Anvil Snubber Ser. # 36430 UTC 01953111, Clamp UTC 1912968, Beam UTC 1898849, Angle UTC 1892608, Rear Bracket UTC 1900953, load pin UTC1907439

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Kenneth W Cannon Engineer Date 6/23/10

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 by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-6-08 to 6-29-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions SC 232 NIABC 15

Inspector's Signature

National Board, State, Province, and Endorsements

Date 6-29-10

Form NIS-2 Owner's Report for Repair/Replacement Activities

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01838586 - 01	Page 1 of 2

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672-0752	Unit 2 Date 5/13/2010

3. Work Performed By	Type Code Symbol Stamp / Authorization Number / Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Type Code Symbol Stamp: Not Applicable Authorization Number: Not Applicable Expiration Date: Not Applicable

4. Identification of Systems, ASME Class: Reactor Coolant , ASME Class 1

5.
(a) Applicable Construction Cod USAS B31.1 1967: Edition, No Addenda No Code Case
(b) Applicable Edition Section XI Utilized For R/R Activity 1998: Edition, 2000 Addenda
(c) Applicable Section XI Codes Cases(s) None

6. Identification of Coimponents

Name of Component	Manufacturer:	Manufacturer Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
1) 50-0-1479A-H2A, Config. B reservoir.	Grinnell	N/A	UNK	N/A	UNK	Removed	No
50-0-1479A-H2A, Config. A reservoir.	Anvil	36558	UNK	UTC 1832940	UNK	Installed	No

7. Description of Work

REBUILD HYDRAULIC SNUBBER

8. Test Conducted

☐ Hydrostatic ☐ Pnuematic ☐ Nominal Operating Pressure ☐ Excempt ☑ Other Visual

Pressure PSI Test Temperature Deg. F

Form NIS-2 Owner's Report for Repair/Replacement Activities

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01838586 - 01	Page 2 of 2

7. Remarks (Applicable Manufactuerr's Data Reports to be attached)

1) Rebuilt snubber due to leaking seals.

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Autherization Number Not Applicable Expiration Date Not Applicable

Signed [signature], Sr Eng Date 5/13/10

Owner or Owner's Designee, Title

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and State or province of FLORIDA and employed by HSB CT of Hartford, Connecticut have inspected the components described in the Owner's Report during the period 8-11-2009 to 7-8-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer make any warrenty, 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 rising from or connected with this inspection.

[signature] Commision(s) FL. 218 A, B, I, N, NS, IS

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

Date JULY 8, 2010

Form NIS-2 Owner's Report for Repair/Replacement Activities

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01838586 - 02	Page 1 of 2

1. Owner	2. Plant	Unit
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672-0752	2 Date 5/13/2010

3. Work Performed By	Type Code Symbol Stamp	Authorization Number	Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Not Applicable	Not Applicable	Not Applicable

4. Identification of Systems, ASME Class: Reactor Coolant , ASME Class 1

5.
(a) Applicable Construction Cod USAS B31.1 1967: Edition, No Addenda No Code Case
(b) Applicable Edition Section XI Utilized For R/R Activity 1998: Edition, 2000 Addenda
(c) Applicable Section XI Codes Cases(s) None

6. Identification of Components

Name of Component	Manufacturer:	Manufacturer Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
1) 50-0-1481A-H3, Reservoir Valve Block	Grinnell	36971	UNK	N/A	UNK	Removed	No
50-0-1481A-H3, Cylinder seals	Anvil	N/A	UNK	UTC 1830992	UNK	Installed	No
50-0-1481A-H3, Config. A Cylinder kit	Anvil	36554	UNK	UTC 1832940	UNK	Installed	No

7. Description of Work
REBUILD HYDRAULIC SNUBBER

8. Test Conducted
☐ Hydrostatic ☐ Pnuematic ☐ Nominal Operating Pressure ☐ Excempt ☑ Other Visual
Pressure PSI Test Temperature Deg. F

Form NIS-2 Owner's Report for Repair/Replacement Activities

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01838586 - 02	Page 2 of 2

7. Remarks (Applicable Manufactuem's Data Reports to be attached)

1) Replaced Reservoir Valve Block with Config. A Cylinder kit and cylinder seals.

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Autherization Number Not Applicable Expiration Date Not Applicable

Signed [signature], Sr Eng Date 5/13/10

Owner or Owner's Designee, Title

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and State or province of FLORIDA and employed by HSB CT of Hartford, Connecticut have inspected the components described in the Owner's Report during the period 8-11-2009 to 7-8-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer make any warrenty, 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 rising from or connected with this inspection.

David M. Reynolds Commision(s) FL 218 A, I, N, B, NS, IS

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

Date JULY 8 2010

Form NIS-2 Owner's Report for Repair/Replacement Activities

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
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1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672-0752	Unit 2 Date 5/13/2010

3. Work Performed By	Type Code Symbol Stamp / Authorization Number / Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Type Code Symbol Stamp: Not Applicable Authorization Number: Not Applicable Expiration Date: Not Applicable

4. Identification of Systems, ASME Class: Low Pressure Injection , ASME Class 1

5.
(a) Applicable Construction Cod USAS B31.1 1967: Edition, No Addenda No Code Case
(b) Applicable Edition Section XI Utilized For R/R Activity 1998: Edition, 2000 Addenda
(c) Applicable Section XI Codes Cases(s) None

6. Identification of Coimponents

Name of Component	Manufacturer:	Manufacturer Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
1) 53-0-1478A-H3, 2 1/2 x 5 Hydraulic Snubber	Grinnell	35060	UNK	N/A	UNK	Removed	No
53-0-1478A-H3, 2 1/2 x 5 Hydraulic Snubber	Anvil	36548	UNK	UTC 1956422	UNK	Installed	No

7. Description of Work
REPLACE HYDRAULIC SNUBBER

8. Test Conducted
☐ Hydrostatic ☐ Pnuematic ☐ Nominal Operating Pressure ☐ Excempt ☑ Other Visual
Pressure PSI Test Temperature Deg. F

Form NIS-2 Owner's Report for Repair/Replacement Activities

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01838586 - 22	Page 2 of 2

7. Remarks (Applicable Manufactuern's Data Reports to be attached)

1) Replaced snubber due to leaking seals.

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Autherization Number Not Applicable Expiration Date Not Applicable

Signed [signature], Sr Eng Date 5/13/10

Owner or Owner's Designee, Title

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and State or province of FLORIDA and employed by HSB CT of Hartford, Connecticut have inspected the components described in the Owner's Report during the period 8-11-2009 to 7-8-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[signature] Commision(s) FL 218 A, N, I, B, NS, IS

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

Date JULY 8, 2010

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1845096	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 7/13/2010

3. Work Performed by	Type Code Symbol Stamp / Authorization Number / Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Type Code Symbol Stamp: Not Applicable Authorization Number: Not Applicable Expiration Date: Not Applicable

4. Identification of System, ASME Class

Reactor Coolant, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 68 Edition, No Addenda, NO Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2-50-1479E-H6707 ; Hanger	D.E.C.	NONE	NONE	NONE	1973	Corrected	NO

7. Description of Work

Replaced bent/damaged rod on support.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐ Other _____

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1845096	2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be attached)

❶ 3/8" Diam. Round Bar, Carbon Steel, ASTM A36, UTC # 01892605; M HT 502193

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Zachary Ashcraft/Engineer Date 7/13/2010

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 FLORIDA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-10-2010 to 7-14-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

David M. Reynolds Commissions FL 218 A,N,I,B,NS,IS

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

Date July 14, 2010

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01855940-01	1 of 2

1. Owner

Duke Energy Carolinas, LLC
526 South Church Street
Charlotte, NC 28201-1006

2. Plant

Oconee Nuclear Station
7800 Rochester Hwy
Seneca, SC 29672

Unit: ONS - 2

Date: 5/17/2010

3. Work Performed by

Duke Energy Carolinas, LLC
526 South Church Street
Charlotte, NC 28201-1006

Type Code Symbol Stamp: Not Applicable

Authorization Number: Not Applicable

Expiration Date: Not Applicable

4. Identification of System, ASME Class

Reactor Coolant, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, None Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Spare Pressurizer Code Safety valve	Dresser	BL-08895	n/a	none	1971	Corrected	YES

7. Description of Work

Installed replacement disc, serial number ADW-52 from stock.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Set Pressure & leak

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01855940-01	2 of 2

9. **Remarks (Applicable Manufacturer's Data Reports to be attached)**

❶ Disc serial number ADW-52.

❷ NOTE: For traceability, Valve serial number BL-08895 was installed on work order: 01880753-06.

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed [signature], Sr. Engineer Date 7-8-10

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 FLORIDA. and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-17-2010 to 7-12-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions FL218 A, N, I, B NS 15

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

Date JULY 12, 2010

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01856049-01	1 of 2

1. Owner	2. Plant	Unit
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 0
		Date: 5-18-10

3. Work Performed by	Type Code Symbol Stamp	Authorization Number	Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Not Applicable	Not Applicable	Not Applicable

4. Identification of System, ASME Class

Reactor Coolant, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, None Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
PORV, RC-66 Spare	Dresser	BY-93617	none	none	2004	Corrected	YES

7. Description of Work

Replaced pilot disc assembly, serial number ADZ06.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Set pressure test

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01856049-01	2 of 2

9. **Remarks (Applicable Manufacturer's Data Reports to be attached)**

❶ Pilot disc assembly, serial number ADZ06

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

Certificate of Authorization Number: Not Applicable Expiration Date: Not Applicable

Signed: [signature] Sr. Engineer Date: 5/18/2010

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 by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-2-09 to 5-26-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions SC 232 NB ABC IS

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

Date 5-26-10

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01866950	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/23/2010

3. Work Performed by	Type Code Symbol Stamp / Authorization Number / Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Type Code Symbol Stamp: Not Applicable Authorization Number: Not Applicable Expiration Date: Not Applicable

4. Identification of System, ASME Class

High Pressure Injection, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Valve 2HP-990	Flowserve	76BKE	1983	UTC 1901035, Serial #: 76BKE	2007	Installed	YES

7. Description of Work

EC100145 installed new valves 2HP-983, -984, -985, -986, -987, -988, -989, and -990. Valve 2HP-990 is ISI A. All other valves are ISI B.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Exempt ☐ Other _____

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01866950	2 of 2

9. **Remarks** (Applicable Manufacturer'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 that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed William W Foster Jr Engineer III Date 5/26/10

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 by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8-25-09 to 6-8-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions SC 232 NI ABC IS

National Board, State, Province, and Endorsements

Date 6-8-10

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01869317	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 6/8/2010

3. Work Performed by	Type Code Symbol Stamp	Authorization Number	Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Not Applicable	Not Applicable	Not Applicable

4. Identification of System, ASME Class

Reactor Coolant, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) 2142-2, N-504-3, and N-638-1

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Reactor Coolant System 2-1/2" Letdown Line:RCS Nozzle to safe-end butt weld	B&W	None	None	Weld # 2R1B1-11	1974	Corrected	NO
Reactor Coolant System 2-1/2" Letdown Line: Safe End	B&W	None	None	Item 88 on Dwgs: OM 1201-1472.001 OM 1201-3415.001	1974	Corrected	NO
Reactor Coolant System 2-1/2" Letdown Line: Safe-end to pipe elbow butt weld	B&W	None	None	Weld # 2-51A-0035-01-15A	1974	Corrected	NO
Reactor Coolant System 2-1/2" Letdown Line: SS pipe elbow	B&W	None	None	None	1974	Corrected	NO
S/R # 2-59-0-1478A-H28	DPCo.	None	None	None	UNK	Corrected	NO

7. Description of Work

A full structural weld is applied over: 1)a portion of the low alloy steel RCS nozzle, 2) the nozzle to safe-end butt weld, the safe-end, 3) the safe-end to piping elbow butt weld, and 4) a portion of a letdown line pipe elbow. S/R also modified.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Exempt ☐ Other _____

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01869317	2 of 2

9. **Remarks** (Applicable Manufacturer's Data Reports to be attached)

❶ 2S/R # 2-59-0-1478A-H28, portion of channel removed

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Thomas Holland Mech Engineer Date 6/8/10

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 by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-13-10 to 7-7-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions SC 232 NIABC 15

National Board, State, Province, and Endorsements

Date 7-7-10

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01879162	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 6/1/2010

3. Work Performed by	Type Code Symbol Stamp / Authorization Number / Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Type Code Symbol Stamp: Not Applicable Authorization Number: Not Applicable Expiration Date: Not Applicable

4. Identification of System, ASME Class

Reactor Coolant System, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1) Piping	DEC	None	None	None	2010	Installed	NO

7. Description of Work

EC103426 replaced two Furmanite injection fittings with an alternate leak injection fitting on the 2A2 reactor coolant pump. Reference OM-1201.D-0057-001 for details.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Exempt ☐ Other _____

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01879162	2 of 2

9. **Remarks (Applicable Manufacturer's Data Reports to be attached)**

❶ An alternate leak injection fitting consists of a 1/4" pipe plug UTC#0001915059 and 1/8" injection valve UTC#0000883033

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

Certificate of Authorization Number: Not Applicable Expiration Date: Not Applicable

Signed: Rick Burgess Rick Burgess, Sr. Technical Specialist Date: 6/1/2010

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 FLORIDA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-15-2010 to 7-14-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

David M. Reynolds Commissions: FL 218 A, N, I, B, NS, IS

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

Date: July 14, 2010

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01903357-01	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/12/2010

3. Work Performed by	Type Code Symbol Stamp / Authorization Number / Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Type Code Symbol Stamp: Not Applicable Authorization Number: Not Applicable Expiration Date: Not Applicable

4. Identification of System, ASME Class

REACTOR COOLANT, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, N/A Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2RC-160	Valcor	Unknown	Unknown	None	1997	Corrected	YES

7. Description of Work

Replaced the disc assembly in 2RC-160 Valcor Solenoid Valve.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Exempt ☐ Other Visual

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01903357-01	2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be attached)

❶ Disc assembly, Cat ID 436024, UTC # 0000984929

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

Certificate of Authorization Number: Not Applicable Expiration Date: Not Applicable

Signed: John M Alexander Senior Tech Specialist Date: 5/12/10

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 FLORIDA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-12-2010 to 7-12-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

David M. Reynolds Commissions FL 218 A,N,I B,NS, IS

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

Date JULY 12, 2010

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01915262	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 6/1/2010

3. Work Performed by	Type Code Symbol Stamp / Authorization Number / Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Type Code Symbol Stamp: Not Applicable Authorization Number: Not Applicable Expiration Date: Not Applicable

4. Identification of System, ASME Class

Reactor Coolant, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Valve 2RC-213	Flowserve	90BQA	2630	UTC 1957435	2010	Installed	YES
(1) Support 2-57-1481B-H6694	DEC	None	None	None	UNK	Corrected	NO
(2) Support 2-57-1481B-H6695	DEC	None	None	None	UNK	Corrected	NO
(3) Support 2-57-1481B-H6692	DEC	None	None	None	UNK	Corrected	NO

7. Description of Work

EC103030 installed two 1" vent valves on pressurizer vent piping. 2RC-213 is Class A. 2RC-214 is Class B. Modified supports 2-57-1481B-H6694, 2-57-1481B-H6692, 2-57-1481B-H6695

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Exempt ☐ Other _____

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01915262	2 of 2

9. **Remarks** (Applicable Manufacturer's Data Reports to be attached)

❶ Support 2-57-1481B-H6694, attached 1/4" x 1" x 2-3/4" plate

❷ Support 2-57-1481B-H6695, replaced 1/4" x 1" x 2-3/4" plate

❸ Support 2-57-1481B-H6692, attached 1/4" x 1" x 2-3/4" plate

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

Certificate of Authorization Number: Not Applicable Expiration Date: Not Applicable

Signed: William W Foster Bill Foster, Engineer III Date: 6/1/2010

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 by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-14-10 to 6-9-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature Commissions SC 232 NIABC 15

National Board, State, Province, and Endorsements

Date 6-9-10

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01922410-01	1 of 2

1. Owner	2. Plant	Unit
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 Date

3. Work Performed by	Type Code Symbol Stamp
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Not Applicable
	Authorization Number Not Applicable
	Expiration Date Not Applicable

4. Identification of System, ASME Class

Reactor Coolant, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, NA Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2RC-156	Valcor	Unknown	Unknown	None	1997	Corrected	YES

7. Description of Work

Replaced the disc assembly in 2RC-156 Valcor Solenoid Valve during seat leak repair

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Visual

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01922410-01	2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be attached)

❶ Disc assembly, Cat ID - 436024, UTC # 0001958434, SN # VY1

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed John M Alexander Senior Tech Specialist Date 5/15/10

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 FLORIDA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-14-2010 to 7-12-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

David M. Reynolds Commissions FL 218 A, N, I, B, NS, 15

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

Date JULY 12, 2010

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01762586	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 1/27/2009

3. Work Performed by	Type Code Symbol Stamp / Authorization Number / Expiration Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Type Code Symbol Stamp: Not Applicable Authorization Number: Not Applicable Expiration Date: Not Applicable

4. Identification of System, ASME Class

GWD, ASME Class ~~3~~ 1

5.

(a) Applicable Construction Code: USAS B31.1 19 67 Edition, No Addenda, _____ Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
(1) S/R 2-57-1480B-H6700	Duke	N/A	N/A	N/A	2008	Corrected	NO
(2) S/R 2-57-1480B-H6701	Duke	N/A	N/A	N/A	2008	Corrected	NO
(3) S/R 2-OD201908-01	Duke	N/A	N/A	N/A	2008	Removed	NO
(4) S/R 2-OD201908-02	Duke	N/A	N/A	N/A	2008	Removed	NO
(5) S/R 2-OD201908-03	Duke	N/A	N/A	N/A	2008	Removed	NO

7. Description of Work

Pipe Hanger modifications and removals.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐ Other _____

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01762586	2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be attached)

❶ S/R 2-57-1480B-H6700: Removed U-bolt, added (2) angles 1 1/2"x 1 1/2" x 1/4"

❷ S/R 2-57-1480B-H6701: Added flat bar 1/2" x 3/4" x 2 1/2"

❸ S/R 2-OD201908-01: Removed angle, plate and anchor bolts

❹ S/R 2-OD201908-02: Removed angle 2 1/2" x 2 1/2" x 1/4"

❺ S/R 2-OD201908-03: Removed angle 2 1/2" x 2 1/2" x 1/4"

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Chris Painter Chris Painter Sr. Eng. Date 1/27/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 6-5-08 to 2-5-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions NC1444/NBABC

National Board, State, Province, and Endorsements

Date 2-5-09

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1779633	1 of 2

1. Owner

Duke Power Company
526 South Church Street
Charlotte, NC 28201-1006

2. Plant

Oconee Nuclear Station
7800 Rochester Hwy
Seneca, SC 29672

Unit: ONS - 2

Date: 12/3/2008

3. Work Performed by

Duke Power Company
526 South Church Street
Charlotte, NC 28201-1006

Type Code Symbol Stamp: Not Applicable

Authorization Number: Not Applicable

Expiration Date: Not Applicable

4. Identification of System, ASME Class

Steam Generator, ASME Class 1

5.

(a) Applicable Construction Code: ASME Section III 19 89 Edition, No Addenda, No Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Inspection Port Test Cover Assembly #1	B & W Canada	160K-01	214	PN# 5231484	2005	Removed	YES
Inspection Port Test Cover Assembly #2	B & W Canada	160K-02	215	PN# 5231483	2005	Removed	YES
Inspection Port Test Cover Assembly #3	B & W Canada	160K-03	216	PN# 5231760	2005	Removed	YES
Inspection Port Test Cover Assembly #3 Flange	B & W Canada	160K-03	216	PN# 5231854	2005	Removed	YES
Inspection Port Test Cover Assembly #4	B & W Canada	160K-04	217	PN# 5231790	2005	Removed	YES
Inspection Port Cover @ Port #9	B & W Canada	006K-03	207	PN# 5206081	2003	Installed	YES
Inspection Port Cover @ Port #10	B & W Canada	006K-03	207	PN# 5206081	2003	Installed	YES
Inspection Port Cover @ Port #11	B & W Canada	006K-03	207	PN# 5206081	2003	Installed	YES
Inspection Port Cover @ Port #14	B & W Canada	006K-03	207	PN# 5206081	2003	Installed	YES

7. Description of Work

On Unit 2 "A" Steam Generator one instrumented inspection port cover was removed at each support location at #9, #10, #11 and #14 and the original port cover was installed.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Exempt ☐ Other _____

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1779633	2 of 2

. Remarks (Applicable Manufacturer's Data Reports to be attached)

❶ Port #9 - UTC 1061990

❷ Port #10 - UTC 1914545

❸ Port #11 - UTC 1914545

❹ Port #14 - UTC 1914545

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

Certificate of Authorization Number: Not Applicable Expiration Date: Not Applicable

Signed: K.W. Rannou/ Engineer Date: 12/3/2008

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-11-08 to 3-9-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature Commissions: NC 1444 NIABC

National Board, State, Province, and Endorsements

Date 3-9-09

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1827688	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 3/25/2009

3. Work Performed by	Type Code Symbol Stamp / Authorization Number / Expiration Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Type Code Symbol Stamp: Not Applicable Authorization Number: Not Applicable Expiration Date: Not Applicable

4. Identification of System, ASME Class

Reactor Building Spray System, ASME Class 2

5.

(a) Applicable Construction Code: ASME Section III 19 74 Edition, 1975 Addenda, _____ Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2BS-27	BNL Ind. Inc.	A070815-1-4	Unknown	PN# 05D-2015 UTC# 1906160	2007	Installed	YES
2BS-28	BNL Ind. Inc.	A070815-1-5	Unknown	PN# 05D-2015 UTC# 1906161	2007	Installed	YES
2BS-29	BNL Ind. Inc.	A 070815-1-6	Unknown	PN# 05D-2015 UTC# 1906162	2007	Installed	YES

7. Description of Work

Install 3 high point vents on 2B Reactor Building Spray header.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Exempt ☒ Other Visible

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1827688	2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be attached)

❶ Installation included:
a) 1" pipe cap, SC48381, ASME SA182, F304, 3000#
b) 1" pipe, SC149441, ASME SA376, TP304, Sch 80
c) 3/8" plate, SC151125, ASME SA240, 304 hot rolled
d) 1" ball valve, SC859599, SA479, 316 SS; SA453 Gr 660 bolting

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed [signature] / Engineer Date 3/25/09
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 by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-6-08 to 4-9-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions SC 232 NB

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

Date 4-9-09

Form NIS-2 Owner's Report for Repair/Replacement Activities

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01843596 - 01	Page 1 of 2

1. Owner	2. Plant	Unit
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672-0752	2 Date 5/18/2010

3. Work Performed By	Type Code Symbol Stamp	Authorization Number	Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Not Applicable	Not Applicable	Not Applicable

4. Identification of Systems, ASME Class

Low Pressure Service Water , ASME Class 2

5.

(a) Applicable Construction Cod USAS B31.1 1967: Edition, No Addenda No Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 1998: Edition, 2000 Addenda

(c) Applicable Section XI Codes Cases(s) None

6. Identification of Coimponents

Name of Component	Manufacturer:	Manufacturer Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
4 inch Sch 40 pipe	Duke	N/A	UNK	N/A	2010	Installed	No

7. Description of Work

Replacement of 4 ft section of 4 inch Sch 40 carbon steel (CS) piping between valve 2LPSW-564 and 10 inch header with new CS pipe.

8. Test Conducted

☐ Hydrostatic ☐ Pnuematic ☐ Nominal Operating Pressure ☐ Excempt ☑ Other Funtional

Pressure PSI Test Temperature Deg. F

Form NIS-2 Owner's Report for Repair/Replacement Activities

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01843596 - 01	Page 2 of 2

7. Remarks (Applicable Manufactuerr's Data Reports to be attached)

4" Sch. 40 SA106 Gr. B pipe, Cat. ID 0000149336

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Autherization Number Not Applicable Expiration Date Not Applicable

Signed Geary L. Armentrout, Principal Engineer Date 5/18/2010

Owner or Owner's Designee, Title

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and State or province of South Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in the Owner's Report during the period 10-1509 to 6-3-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer make any warrenty, 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 rising from or connected with this inspection.

Commision(s) SC 232 NIABC 15

Inspector's Signature

National Board, State, Province, and Endorsements

Date 6-3-10

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01873906	1 of 2

1. Owner	2. Plant	Unit
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 Date: 6/2/2010

3. Work Performed by	Type Code Symbol Stamp	Authorization Number	Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Not Applicable	Not Applicable	Not Applicable

4. Identification of System, ASME Class

High Pressure Injection, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Valve 2HP-103	Crane Co	OA21447-06	UNK	UNK	UNK	Removed	NO
Valve 2HP-107	Crane Co	OA21447-05	UNK	UNK	UNK	Removed	NO
Valve 2HP-111	Crane Co	OA21447-05	UNK	UNK	UNK	Removed	NO
Valve 2HP-103	ValvTech. Inc.	10102224	None	UTC 1958219	2010	Installed	YES
Valve 2HP-107	ValvTech. Inc.	10102222	None	UTC 1958217	2010	Installed	YES
Valve 2HP-111	ValvTech. Inc.	10102223	None	UTC 1958218	2010	Installed	YES
Valve 2HP-993	ValvTech. Inc.	10102225	None	UTC 1958220	2010	Installed	YES
(1) Piping	DEC	None	None	None	2010	Installed	NO
(2) Support 2-51A-6-0-435B-SR58	DEC	None	None	None	UNK	Corrected	NO

7. Description of Work

EC100768 - Replaced 6" Class B valves 2HP-103, -107, and -111. Installed new 6" flanged valve 2HP-993. Replaced 1/2" vent 2HP-443, added new 1/2" vents 2HP-991 and -992. Modified support/restraint.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Exempt ☐ Other _____

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01873906	2 of 2

9. **Remarks (Applicable Manufacturer's Data Reports to be attached)**

❶ Installed 6" piping, (8) 6" flanges, (192) 3/4" nuts, and (96) 3/4" studs

❷ Support 2-51A-6-0-435B-SR58, removed plate and installed Fig. 640 sway strut and 6" pipe clamp

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed William W Foster Jr, Engineer III Date 6/2/2010

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 by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-4-10 to 6-15-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature Commissions SC232 NIABC 15

National Board, State, Province, and Endorsements

Date 6-15-10

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01880548-02, -06	1 of 2 JHB

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/11/2010

3. Work Performed by	Type Code Symbol Stamp / Authorization Number / Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Type Code Symbol Stamp: Not Applicable Authorization Number: Not Applicable Expiration Date: Not Applicable

4. Identification of System, ASME Class

LPSW - Piping to 2C Reactor Building Cooling Unit (RBCU) Coils , ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2C RBCU Coil bolting - for coils 1,2,3 & 4 (1)	Duke	Unknown	None	None	2010	Installed	NO

7. Description of Work

Preventative Maintenance (PM) on the 2C RBCU Coils # 1, #2, #3 & #4 (tube cleaning & ECT) required removal of the cooler waterbox. This involved disassembling the Low Pressure Service Water (LPSW) piping from the coils. The 5/8-inch diameter LPSW piping bolting material for piping-to-coil flanges required replacement due to surface degradation.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Exempt ☐ Other _____

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01880548-02, -06	2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be attached)

❶ Replaced one hundred twenty-eight (128) 5/8-inch diameter nuts and sixty-four (64) 5/8-inch diameter studs on the 2C RBCU, #1, #2, #3 and #4 Coils' flanges. The Catalog ID # for the nuts is 293556 and the UTC #'s were 0001949181 & 0001953584. The Catalog ID # for the stud material (threaded rod) is 297412 and the UTC # was 0001949785.

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed James H Patton, Engineer Date 5/11/2010

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 by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9-29-09 to 5-27-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions SC 232 NIABC 13

National Board, State, Province, and Endorsements

Date 5-27-10

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01880740	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/22/2010

3. Work Performed by	Type Code Symbol Stamp / Authorization Number / Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Type Code Symbol Stamp: Not Applicable Authorization Number: Not Applicable Expiration Date: Not Applicable

4. Identification of System, ASME Class

2BA-172, Breathing Air System, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2BA-172	ITT Engineered Valves	UNK	UNK	UTC 0001924056	UNK	Installed	NO

7. Description of Work

Modification replaced original EPDM (rubber based) seat rings with PEEK (Polymer) based seat rings. The PEEK is not suitable for applications where tight sealing is required. A new set of EPDM seat rings were installed back in 2BA-172. The ball was also replaced to make sure that the ball was not contributing to the leakage. There was no defect found on the original ball.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Cont Isol Seat Leak

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01880740	2 of 2

9. **Remarks (Applicable Manufacturer's Data Reports to be attached)**

❶ Part= Ball for 2" ITT ball valve...catalog ID 311092, UTC # 000192, Trace PN # 16394, Heat Code # 9GHN-1 & -2

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

Certificate of Authorization Number: Not Applicable Expiration Date: Not Applicable

Signed: David D King MCE/VHE Engineering David D King Date: 5-22-2010

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 FLORIDA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-22-2010 to 7-8-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

David M. Reynolds Commissions FL 218 A B, I N NS IS

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

Date July 8, 2010

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01881074-01	1 of 2

1. Owner	2. Plant	Unit
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2
		Date: 5/13/2010

3. Work Performed by	Type Code Symbol Stamp	Authorization Number	Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Not Applicable	Not Applicable	Not Applicable

4. Identification of System, ASME Class

High Pressure Injection, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2HP-31	Fisher Controls	4768610	None	None	1971	Corrected	NO

7. Description of Work

PM performed on the valve found the valve plug was eroded

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Visual

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01881074-01	2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be attached)

❶ Valve plug/stem assembly, CAT ID 860541, UTC 00001938474

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed John M Alexander Senior Tech Specialist Date 5/13/10
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 FLORIDA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-3-2010 to 7-8-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

David A. Reynolds
Inspector's Signature

Commissions FL. 218 A, N, I, B, NS, IS
National Board, State, Province, and Endorsements

Date July 8, 2010

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01884502-02, -06	1 of 2 JH13

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/11/2010

3. Work Performed by	Type Code Symbol Stamp / Authorization Number / Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Type Code Symbol Stamp: Not Applicable Authorization Number: Not Applicable Expiration Date: Not Applicable

4. Identification of System, ASME Class

LPSW - Piping to 2B Reactor Building Cooling Unit (RBCU) Coils , ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2B RBCU Coil bolting - for coils 1,2,3 & 4 (1)	Duke	Unknown	None	None	2010	Installed	NO

7. Description of Work

Maintenance on the 2B RBCU Coils # 1, #2, #3 & #4 (tube cleaning) required removal of the cooler waterbox. This involved disassembling the Low Pressure Service Water (LPSW) piping from the coils. The 5/8-inch diameter LPSW piping bolting material for piping-to-coil flanges required replacement due to surface degradation.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Exempt ☐ Other _____

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01884502-02, -06	2 of 2

9. **Remarks (Applicable Manufacturer's Data Reports to be attached)**

❶ Replaced one hundred twenty-eight (128) 5/8-inch diameter nuts and sixty-four (64) 5/8-inch diameter studs on the 2B RBCU, #1, #2, #3 and #4 Coils' flanges. The Catalog ID # for the nuts is 293556 and the UTC # was 0001949181. The Catalog ID # for the stud material (threaded rod) is 297412 and the UTC # was 0001953045.

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed James H Patton, Engineer Date 5/11/2010

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 by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9-28-09 to 5-27-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature Commissions SC232 NABC 15

National Board, State, Province, and Endorsements

Date 5-27-10

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01884503-02, -09	1 of 2 JHB

1. Owner	2. Plant	Unit
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 **Date** 5/11/2010

3. Work Performed by	Type Code Symbol Stamp	Authorization Number	Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Not Applicable	Not Applicable	Not Applicable

4. Identification of System, ASME Class

LPSW - Piping to 2A Reactor Building Cooling Unit (RBCU) Coils , ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2A RBCU Coil bolting - for coils 1,2 & 3 (1)	Duke	Unknown	None	None	2010	Installed	NO

7. Description of Work

Maintenance on the 2A RBCU Coils # 1, #2 & #3 (tube cleaning) required removal of the cooler waterbox. This involved disassembling the Low Pressure Service Water (LPSW) piping from the coils. The 5/8-inch diameter LPSW piping bolting material for piping-to-coil flanges required replacement due to surface degradation.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Exempt ☐ Other _____

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01884503-02, -09	2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be attached)

❶ Replaced one hundred twenty-eight (128) 5/8-inch diameter nuts and sixty-four (64) 5/8-inch diameter studs on the 2A RBCU, #1, #2 & #3 Coils' flanges. The Catalog ID # for the nuts is 293556 and the UTC # was 0001949181. The Catalog ID # for the stud material (threaded rod) is 297412 and the UTC #'s were 0001954093 and 0001945248.

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed James H Patton, Engineer Date 5/11/2010

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 by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9-29-09 to 5-27-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions SC 232 NIABC S

National Board, State, Province, and Endorsements

Date 5-27-10

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01895070	1 of 3

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/19/2010

3. Work Performed by	Type Code Symbol Stamp / Authorization Number / Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Type Code Symbol Stamp: 'N' Stamp Authorization Number: Not Applicable Expiration Date: Not Applicable

4. Identification of System, ASME Class

High Pressure Injection (HPI), ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, Yes Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1 2HP-139 4" Manual Gate	Velan	UNKNOWN	UNKNOWN	B12-354B-13MS FS/2/51/71	UNK	Removed	NO
2 2HP-139 4" EMO Gate	Velan	102002	UNKNOWN	DMV-1711 UTC # 1958870	UNK	Installed	YES
3 2HP-140 4" Manual Globe	Velan	UNKNOWN	UNKNOWN	B12-374B-13MS FS/2/51/72	UNK	Removed	YES
4 2HP-140 4" EMO Drag	CCI	104754-021-1	UNKNOWN	DMV-1710 UTC # 1959508	2010	Installed	YES
5 4" SS Pipe and elbows	DPCo.	UNKNOWN	UNKNOWN	See Page 3 for material details	UNK	Installed	NO
6 Support 2-51A-0-1438A-FJM-1501	DPCo.	UNKNOWN	UNKNOWN	See Page 3 for parts breakdown	UNK	Removed	NO
7 Support 2-51A-1438A H5650	DPCo.	UNKNOWN	UNKNOWN	See Page 3 for parts breakdown	UNK	Installed	NO

7. Description of Work

EC 91857: Replaced manual valves 2HP-139 & 2HP-140 with new EMO operated valves. Installed new piping to accommodate installation. Removed one pipe support (2-51A-0-1438A-FJM-1501) and installed one new pipe support (2-51A-1438A-H5650). Replaced 2HP-138 body/bonnet joint nuts and studs due to corrosion on existing discovered when the bonnet was removed for purge path. Replaced new 2HP-139 body/bonnet joint nuts.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Exempt ☐ Other _____

Pressure NOP PSI Test Temperature NOT °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01895070	2 of 3

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS- 2 Date: 5/19/2010

3. Work Performed by	Type Code Symbol Stamp / Authorization Number / Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Type Code Symbol Stamp: Not Applicable Authorization Number: Not Applicable Expiration Date: Not Applicable

4. Identification of System, ASME Class

High Pressure Injection (HPI), ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, YES Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
8 2HP-138 Body Bonnet Studs	Velan	UNKNOWN	UNKNOWN	FS/2/51/70	UNK	Removed	NO
9 2HP-138 Body Bonnet Studs	Velan	UNKNOWN	UNKNOWN	Rod, Threaded 7/8" CAT ID 297414	UNK	Installed	NO
10 2HP-138 Body Bonnet Nuts	Velan	UNKNOWN	UNKNOWN	FS/2/51/70	UNK	Removed	NO
11 2HP-138 Body Bonnet Nuts	Velan	UNKNOWN	UNKNOWN	Nut, Heavy Hex, 7/8" CAT ID 131797	UNK	Installed	NO
12 2HP-139 (New Valve) Body Bonnet Nuts	Velan	102002	UNKNOWN	Heavy Hex Nuts (12)	2009	Removed	Yes
13 2HP-139 (New Valve) Body Bonnet Nuts	Velan	548577	UNKNOWN	Heavy Hex Nuts 1- 1/4" 8UN, 2B	UNK	Installed	Yes

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01895070 ~~01859555~~ TMS 7-14-10	3 of 3

9. Remarks (Applicable Manufacturer's Data Reports to be attached)

1	Removal of existing valve 2HP-139.
2	Install new valve 2HP-139.
3	Removal of existing valve 2HP-140.
4	Install new valve 2HP-140.
5	4" Piping (SA 376, SCH 160, SS, UTC #1924660) and elbows (SA403, SCH 160, SS, UTC # 1924166) to support install of new valves and re-route of associated piping.
6	Removal of existing pipe support 2-51A-0-1438A-FJM-1501 (support steel and miscellaneous hardware). Item #1 (3/4" A36 Plate), Item #2 (2-1/2" HN 1230 Anchors), Item #3 (Sway Strut), Item #4 (4 ½" Pipe Clamp), Item #5 (2 ½" Phillips Anchors)
7	Install new pipe support 2-51A-1438A-H5650 (support steel and miscellaneous hardware) Item #1 (TS 4 x 4 x 3/8" UTC # 1939650), Item #2 (PL ¾" A36 UTC #1955213) Item #3 (½" Anchors, Hilti KB3 UTC #952257), Item #4 (½" PL, A36, UTC #1925205) Item #5 (¼" PL, A36, UTC #1894551)
8 - 11	Replace bonnet studs and nuts for 2HP-138 (disassembled for purge path)
12-13	Replace (new) 2HP-139 Body / Bonnet joint nuts

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

Certificate of Authorization Number: Not Applicable Expiration Date: Not Applicable

Signed: W. H. Watkins Jr. Sr. Mech. Assoc, S&L / R.A. SULLIVAN PROJECT ASSOC. II RAS Date: 5/19/10 / 5/19/10 ~~5/19/10~~ RAS

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 FLORIDA and employed by HARTFORD STEAM BLR. of CT. have inspected the components described in this Owner's Report during the period 5-19-2010 to 7-14-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

David M. Reynolds Commissions FL 218 A, N, I, B, NS, IS

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

Date July 14, 2010

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1895287-05	1 of 2

1. Owner	2. Plant	Unit
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2
		Date: 5/16/2010

3. Work Performed by	Type Code Symbol Stamp	Authorization Number	Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Not Applicable	Not Applicable	Not Applicable

4. Identification of System, ASME Class

Unit 2 Main Steam System, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 68 Edition, No Addenda, No Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2-01A-0-1480A-H1B; Hanger	D.E.C.	NONE	NONE	NONE	1973	Corrected	NO

7. Description of Work

Replaced both load rods, the load studs, weldless eye nuts, associated hext nuts replaced, and bar spacers installed to maintain spacing requirements of clamp. Items were not damaged, replacement was optional.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐ Other _____

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1895287-05	2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be attached)

❶ Tack Weld on spacer bar installation; UTC # 01944677

❷ Load pins(round bar); 1-3/4" diameter; ASTM A193 B7, UTC # 01057254

❸ Heavy Hex Nut; 1-1/2"; ASTM A194 GR 2H; UTC 01822181 and UTC # 1937771

❹ Heavy Hex Nut; 1-1/2"; ASTM SA194 GR 2H; UTC # 01910097

❺ Weldless Eye Nut; 1-1/2"; Forged CS; UTC 01960236

❻ Rod; 1-1/2"; ASME A193 GR B7; UTC 01000505

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed [signature] Engineer Date 5/16/2010

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 FLORIDA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-11-2010 to 7-12-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions FL 218 A, N, I, B, NS, IS

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

Date July 12, 2010

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01922582-01	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 5/15/2010

3. Work Performed by	Type Code Symbol Stamp / Authorization Number / Expiration Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Not Applicable Not Applicable Not Applicable

4. Identification of System, ASME Class

Spent Fuel Cooling, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, none Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) none

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2SF-129	Anderson Greenwood Crosby	N93355-00-0008	n/a	none	1999	Removed	YES
2SF-129	Anderson Greenwood Crosby	N93355-00-0016	n/a	none	2009	Installed	YES

7. Description of Work

Install spare valve from stock.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other F/V visual leak check

Pressure _____ PSI Test Temperature _____ °F

Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01922582-01	2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be attached)

❶ Replaced with new tested valve from stock. Serial number N93355-00-0016.

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed _____ /Sr. Engineer Date 5/15/2010

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 FLORIDA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-6-2010 to 7-12-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

David M. Reynolds Commissions FL 218 A, N, I, B, NS, IS

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

Date JULY 12, 2010

Date: 06/21/10

Sheet: 1 of 1

TO: ONS ISIM Plan Manager

FROM: ONS QA Tech. Support

RE: **PRESERVICE EXAMINATIONS OF CLASS 1 & 2 WELDS**

As required by ASME Section XI 1998 Edition with 2000 addenda. Pre-service examinations were performed on ISI Class 1 & 2 welds made during the **U2EOC24** outage timeframe. The following is a list of the welds that received pre-service examinations during this outage timeframe.

WORK ORDER NUMBER	WELD NUMBER	ISI CLASS	INSPECTION TYPE			
			MT	PT	RT	UT
1780230	2RC-0266-28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 47, 48, 49, 50, 51, 52, 57, 58, & 59	1		X		
1895070	2HP-0396- 23, 24, & 25 2-51A-0029- 94	2		X		X

Prepared By: JRB 06-21-10

6.0 *Pressure Testing*

ISI Pressure Tests are conducted and managed by zones. Each pressure test zone required by the ISI Plan and the completion status of those zones are listed in this report.

Pressure Test Zones OZ2L-42A and OZ2L-42B were incorrectly listed in EOC23 Summary Report as being completed on December 10, 2008. Problem Investigation Process (PIP) O-10-01167 documents this error and gives instructions to include the corrected completion dates in this EOC24 report. Reference Table 6-2 for the corrected completion dates.

The Class 1 (Category B-P) leakage test is required each refueling outage. Table 6-1 shows the completion data of the Class 1 (Category B-P) leakage test zones conducted during refueling cycle EOC24.

Table 6-1 Detailed Class 1 Listing

Zone Number	Boundary Dwg	EOC24 Completion Status	EOC24 VT-2 Examination Date	Code Case(s) Used
OZ2L-1A	O-ISIL4-100A-2.1 O-ISIL4-100A-2.2 O-ISIL4-100A-2.3 O-ISIL4-101A-2.1 O-ISIL4-101A-2.4 O-ISIL4-102A-2.1 O-ISIL4-102A-2.3 O-ISIL4-110A-2.1 O-ISIL4-110A-2.4	Complete	05/28/10	None
OZ2L-16	O-ISIL4-101A-2.4	Complete	05/28/10	None

The Class 2 (Category C-H) leakage tests are required each period. Table 6-2 shows the completion data of the Class 2 (Category C-H) leakage tests zones required for the 2nd Inspection Period which ends 09/09/2011.

Table 6-2 Detailed Class 2 Listing

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
1	IZ2L-10	O-ISIL4-101A-2.3	Complete	10/25/08	None
2	IZ2L-11	O-ISIL4-101A-2.3	Complete	10/25/08	None
3	IZ2L-12	O-ISIL4-101A-2.3 O-ISIL4-101A-2.4	Incomplete		
4	IZ2L-13	O-ISIL4-101A-2.3	Complete	03/24/10	None

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
5	IZ2L-14A	O-ISIL4-101A-2.3	Complete	12/01/08	None
6	IZ2L-14B	O-ISIL4-101A-2.3	Complete	12/01/08	None
7	IZ2L-20	O-ISIL4-101A-2.3	Complete	02/22/10	None
8	IZ2L-22	O-ISIL4-101A-2.3 O-ISIL4-102A-2.1 O-ISIL4-102A-2.2 O-ISIL4-104A-1.2	Incomplete		
9	IZ2L-24	O-ISIL4-102A-2.1 O-ISIL4-103A-2.1	Complete	01/05/10	None
10	IZ2L-25	O-ISIL4-102A-2.1 O-ISIL4-103A-2.1	Incomplete		
11	IZ2L-27A	O-ISIL4-102A-2.1 O-ISIL4-102A-2.2	Complete	05/21/10	None
12	IZ2L-27B	O-ISIL4-102A-2.2	Complete	12/06/08	None
13	IZ2L-4	O-ISIL4-101A-2.1	Complete	02/18/10	None
14	IZ2L-41	O-ISIL4-109A-1.1	Complete	05/22/10	None
15	IZ2L-48	O-ISIL4-122A-2.1 O-ISIL4-122A-2.2 O-ISIL4-122A-2.3 O-ISIL4-122B-2.1 O-ISIL4-122A-2.4	Complete	02/18/10	None
16	IZ2L-5	O-ISIL4-101A-2.1 O-ISIL4-101A-2.3	Incomplete		
17	IZ2L-60	O-ISIL4-124B-2.2 O-ISIL4-124B-2.4	Complete	06/05/08	None
18	OZ2L-14B	O-ISIL4-101A-2.4	Complete	12/01/08	None
19	OZ2L-15	O-ISIL4-101A-2.4	Complete	12/10/08	None
20	OZ2L-16	O-ISIL4-101A-2.4	Complete	12/08/08	None
21	OZ2L-17	O-ISIL4-101A-2.2	Complete	12/08/08	None
22	OZ2L-17B	O-ISIL4-101A-2.2	Complete	05/17/10	None

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
23	OZ2L-18	O-ISIL4-101A-2.2	Complete	12/06/08	None
24	OZ2L-19A	O-ISIL4-104A-1.1 O-ISIL4-101A-2.5	Complete	05/03/09	None
25	OZ2L-19B	O-ISIL4-101A-2.5	Complete	11/27/08	None
26	OZ2L-1A	O-ISIL4-101A-2.1 O-ISIL4-101A-2.5	Complete	12/10/08	None
27	OZ2L-2	O-ISIL4-101A-2.1 O-ISIL4-101A-2.4 O-ISIL4-101A-2.5	Complete	12/10/08	None
28	OZ2L-21	O-ISIL4-102A-2.1 O-ISIL4-102A-2.2 O-ISIL4-104A-1.2	Complete	12/06/08	None
29	OZ2L-23	O-ISIL4-101A-2.2 O-ISIL4-102A-2.1 O-ISIL4-102A-2.2	Complete	12/05/08	None
30	OZ2L-26	O-ISIL4-102A-2.2	Complete	12/06/08	None
31	OZ2L-28	O-ISIL4-102A-2.2	Complete	05/21/10	None
32	OZ2L-29	O-ISIL4-102A-2.2	Complete	12/06/08	None
33	OZ2L-29A	O-ISIL4-102A-2.2 O-ISIL4-102A-2.3	Complete	12/06/08	None
34	OZ2L-3	O-ISIL4-101A-2.1	Complete	12/10/08	None
35	OZ2L-30	O-ISIL4-102A-2.2	Complete	12/06/08	None
36	OZ2L-30A	O-ISIL4-102A-2.2 O-ISIL4-102A-2.3	Complete	12/06/08	None
37	OZ2L-31A	O-ISIL4-102A-2.3	Complete	12/25/08	None
38	OZ2L-31B	O-ISIL4-102A-2.3	Complete	12/25/08	None
39	OZ2L-31C	O-ISIL4-102A-2.3	Complete	12/25/08	None
40	OZ2L-39	O-ISIL4-104A-1.1	Complete	05/01/10	None
41	OZ2L-42A	O-ISIL4-110A-2.1	Complete	04/22/10	None
42	OZ2L-42B	O-ISIL4-110A-2.1	Complete	04/22/10	None

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
43	OZ2L-44	O-ISIL4-110A-2.1 O-ISIL4-121B-2.3 O-ISIL4-121B-2.5 O-ISIL4-121D-1.2 O-ISIL4-121D-2.1 O-ISIL4-122A-2.1 O-ISIL4-133A-2.5	Complete	05/28/10	None
44	OZ2L-6	O-ISIL4-101A-2.1 O-ISIL4-101A-2.2 O-ISIL4-109A-1.1	Complete	12/10/08	None
45	OZ2L-6B	O-ISIL4-101A-2.2	Complete	05/17/10	None
46	OZ2L-64	O-ISIL4-124B-2.2	Complete	12/10/08	None
47	OZ2L-65	O-ISIL4-124B-2.4	Complete	12/10/08	None
48	OZ2L-7	O-ISIL4-101A-2.2 O-ISIL4-101A-2.3	Complete	11/30/08	None
49	OZ2L-7B	O-ISIL4-101A-2.3 O-ISIL4-102A-2.1 O-ISIL4-102A-2.2	Complete	11/30/08	None
50	OZ2L-9	O-ISIL4-101A-2.3 O-ISIL4-102A-2.1 O-ISIL4-102A-2.2	Complete	12/06/08	None