T. PRESTON GILLESPIE, JR.
Vice President
Oconee Nuclear Station

Duke Energy
ON01VP / 7800 Rochester Hwy.
Seneca, SC 29672

864-873-4478
864-873-4208 fax
T.Gillespie@duke-energy.com

February 15, 2012

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 End of Cycle (EOC) 25 Refueling Outage
Inservice Inspection (ISI) Report
Fourth Ten-Year Inservice Inspection Interval

Duke Energy Carolinas, LLC (Duke Energy) is providing a copy of the Inservice Inspection Report for the Oconee Nuclear Station (ONS), Unit 2 EOC-25 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. Duke Energy will transmit separately, a summary report that documents the Steam Generator Tube Inservice Inspection of the ONS, Unit 2 EOC-25 Refueling Outage.

If there are any questions you may contact Corey Gray ONS Regulatory Compliance group, at (864)-873-6325.

Sincerely,

Scott L. Batson FOR T.P. GILLESPIE

T. Preston Gillespie, Jr.
Vice President
Oconee Nuclear Station

Attachment

D047
NRR

Xc w/ attachment:

Victor McCree
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 Manger
U. S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Mail Stop O-8 G9A
Washington, D.C. 20555

Xc w/o attachment

Andy Sabisch
NRC Senior Resident Inspector
Oconee Nuclear Station

Susan Jenkins
Section Manager
Division of Waste Management
Bureau of Land and Waste Management
SC Dept. of Health & Environment Control
2600 Bull St.
Columbia SC 29201

Owner's Report
For
INSERVICE INSPECTIONS

OCONEE UNIT 2
2011 REFUELING OUTAGE
EOC25 (OUTAGE 5)

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

NRC Docket No. 50-270

Commercial Service Date: September 9, 1974

Document Completion Date 1/31/2012

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

Revision 0

Prepared By: Gary D Swaltzo Date 1-24-2012

Reviewed By: Gary L Underwood Date 1-24-2012

Approved By: [signature] Date 1/30/2012

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 209

FORM NIS-1 (Back)

8. Examination Dates May 30, 2010 to November 18, 2011

9. Inspection Period Identification: Third 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 1/30/12 Signed Duke Energy Carolinas. Owner By [signature]

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 9/8/2010 to 1/31/2012, 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

[signature] Commissions 13048, 201, A.N.I. IS

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

Date 1/31/2012

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
   Corporate Programs and Component Engineering
   Section XI Inspection Program Section

2. NRC Document Control Desk

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)

ANII at Oconee

TABLE OF CONTENTS

1.0 General Information

This report describes the Inservice Inspection of Duke's Oconee Nuclear Station, Unit 2, during Outage 5/EOC 25. This is the first outage in the third 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-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-665 (Alternative Requirements for Beam Angle Measurements Using Refracted Longitudinal Wave Search Units)

Code Case N-683 (Method for Determining Maximum Allowable False Calls when Performing Single Sided Access Performance Demonstration in Accordance With Appendix VIII, Supplements 4 and 6.)

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)

Code Case N-729-1 Alternative Examination Requirements for PWR Reactor Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds Section XI, Division 1

Request for Relief 03-006 / Allows Duke an Alternative for the Snubber Examinations required in IWF-5000 for the 4th interval.

Problem Investigation Program Report O-11-13204 was written to document actions to resolve discrepancies on Summary Number O2.B4.30.0001

Problem Investigation Program Report O-11-13971 was written to document actions to resolve the completed NDE inspection reports for 02.C5.51.0003 and 02.C5.51.0019 during 2EOC 25. The question was raised if the transducers used for the examinations were the correct type specified by the PDI-UT-1 transducer selection table. The UT level III contacted EPRI for verification and per EPRI the transducers were not currently listed on the table. Since the insulation had been replaced and the scaffold removed it was decided to reschedule the examinations during 2EOC26.

Problem Investigation Program Report O-11-15240. This PIP was written to track the evaluation process and resolution for limited coverage on UT examinations of welds that were inspected during EOC25 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.

Problem Investigation Program Report O-12-00661 was generated to document the work orders that will not have NIS-2 forms included in this report. These NIS-2 forms will be included in the next report.

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	30 Inspections	56%	Partial
B-F	Pressure Retaining Dissimilar Metal Welds	2 Welds	2 Welds	100%	Partial
B-G-1	Pressure Retaining Bolting Greater than 2 Inches in Diameter	128 Items	125 Items	98%	Yes
B-G-2	Pressure Retaining Bolting 2 Inches and Less in Diameter	20 Items	17 Items	85%	No
B-J	Pressure Retaining Welds in Piping	138 Welds	116 Welds	84%	No
B-K	Welded Attachments for Vessels, Piping, Pumps and Valves	11	11	100%	No

(1) Deferral of inspection to the end of the interval as allowed by ASME Section XI Table IWB-2500-1.

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	3 Inspections	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	31 Supports	84%	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	2	100%

(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	4 Welds	100%
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	40 Attachments	37 Attachments	93%
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	151 Welds	130 Welds	86%
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	62 Welds	52 Welds	84%
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)	140 Supports	117 Supports	84%
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.

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	100% of EOC 25 Requirements
O2.B4.40	Head with nozzles and Partial Penetration Welds, Volumetric/Surface exam per Code Case N-729-1	None scheduled for EOC 25
O2.B15.80	Reactor Vessel Bottom Head Bare Metal Visual per Code Case N-722	None scheduled for EOC 25
O2.B15.210	Hot Leg Full Penetration Weld, Bare Metal Visual per Code Case N-722	100% of EOC 25 Requirements
O2.B15.215	Cold Leg Full Penetration Weld, Bare Metal Visual per Code Case N-722	100% of EOC 25 Requirements
O2.G1.1	Reactor Coolant Pump Flywheel	None scheduled for EOC 25
O2.G2.1	HPI Nozzle Safe End Examinations	None scheduled for EOC 25
O2.G3.1	Pressurizer Surge Line Examinations	100% of EOC 25 Requirements
O2.G4.1	Thermal Stress Piping (NRC Bulletin 88-08)	100% of EOC 25 Requirements
O2.G12.1	UT Examination per MRP-139	None scheduled for EOC 25
O2.G12.2	UT Examination per MRP-139	None scheduled for EOC 25
O2.G14.1	VT MRP-139	100% of EOC-25 Requirements
O2.G16.1	UT Examination per MRP-146	None scheduled for EOC 25
O2.H2.1	Class 1 RTE Mounting Bosses	100% of EOC 25 Requirements
O2.H3.1	Main Feedwater Piping in the East and West Penetration Rooms per QA-513J (ER-ONS-04-03)	100% of EOC 25 Requirements
O2.H4.1	Main Feedwater and Main Steam Piping Supports and Attachment Welds per QA-513J (ER-ONS-04-05)	100% of EOC 25 Requirements
O2.H5.1	East Penetration Main Feedwater piping welds and attachments	None scheduled for EOC 25
O2.H6.1	Main Feedwater rupture restraint attachment welds	None scheduled for EOC 25

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 5 (EOC-25)

This report includes all changes through addendum ONS2-119

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	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		----
		OM 1201-1469							
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	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.						

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 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.						
O2.B15.210.0007	2RC-277-24								
	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 .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	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 (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	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 (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	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 (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	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 (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.B15.215.0005	2-PIA1-7								
	Class 1 50	ISI-OCN2-007 OM-1201-966	NDE-68	VT-2	SS-CS		3.000 / 33.500		----
Dissimilar Stress Weld									
			Pipe to Safe End						
			Reactor Coolant Pump 2A1 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. This exam was moved from EOC24 to EOC-25 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.B15.215.0006	2-PIA2-7 Class 1 50	ISI-OCN2-008 OM-1201-966	NDE-68	VT-2	SS-CS		2.330 / 33.500		----
Dissimilar Stress Weld									
			Pipe to Safe End Reactor Coolant Pump 2A2 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. This exam was moved from EOC24 to EOC-25 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.B15.215.0009	2-PDA1-2 Class 1 50	ISI-OCN2-011 OM-1201-966	NDE-68	VT-2	SS-CS		2.330 / 33.500		----
Dissimilar Stress Weld									
			Safe End to Elbow Reactor Coolant Pump 2A1 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. This exam was moved from EOC24 to EOC-25 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.B15.215.0010 Dissimilar Stress Weld	2-PDA2-2 Class 1 50	ISI-OCN2-012 OM-1201-966	NDE-68 Safe End to Elbow Reactor Coolant Pump 2A2 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. This exam was moved from EOC24 to EOC-25 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	SS-CS		2.330 / 33.500		----
O2.B15.215.0014 Dissimilar Stress Weld	2RC-279-19AA Class 1 50	2RC-279 O-ISIN4-100A-2.1	NDE-68 Nozzle to Elbow 1 inch LCL-SB-166 Pressure Tap SE to CS nozzle weld & 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 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.	VT-2	SS-Inconel		0.250 / 1.000		----

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.B15.215.0015	2RC-279-20 Class 1 50	2RC-279 O-ISIN4-100A-2.1	NDE-68	VT-2	SS-Inconel		0.250 / 1.000		----
Dissimilar Stress Weld			Nozzle to Elbow 1 inch LCL-SB-166 Pressure Tap SE to CS nozzle weld & SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) *This weld is located on piping that branched off of 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.					
O2.B15.215.0016	2-PIA1-11 Class 1 50	ISI-OCN2-007 B&W146823E	NDE-68	VT-2	SS-Inconel		0.816 / 3.500		----
Dissimilar Stress Weld			Nozzle to Safe End Reactor Coolant Pump 2A1 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.*					

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.B15.215.0017 Dissimilar Stress Weld	2-50-7-29 Class 1 50	2-50-7 (1) O-ISIN4-100A-2.1	NDE-68 Nozzle to Elbow Reactor Coolant Pump 2A1 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.	VT-2	SS-Inconel		0.281 / 1.500		----
O2.B15.215.0018 Dissimilar Stress Weld	2-PIA2-11 Class 1 50	ISI-OCN2-008 B&W146823E	NDE-68 Nozzle to Safe End Reactor Coolant Pump 2A2 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.	VT-2	SS-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.B15.215.0019	2-50-7-14 Class 1 50	2-50-7 (1) O-ISIN4-100A-2.1	NDE-68	VT-2	SS-Inconel		0.281 / 1.500		----
Dissimilar Stress Weld			Nozzle to Elbow Reactor Coolant Pump 2A2 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.						
O2.B15.215.0024	2-P1A1-12 Class 1 50	ISI-OCN2-007 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 2A1 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.						

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.B4.30.0001	2-RPV-HEAD-PEN								
	Class 1 50	OM-201-2271	NDE-70	VT-2	CS/Alloy 690		0.000 / 0.000		----
		O-ISIN4-100A-2.1							
Dissimilar									
			As specified in ASME Code Case N-729-1, subject to the conditions specified in 10CFR50.55a (g) (6) (ii) (D) (2) through (6), a direct visual examination of the bare-metal surface of the entire outer surface of the reactor vessel head, including essentially 100% of the intersection of each nozzle with the head. For coverage requirements see Figure 1 of Code Case N-729-1. Relevant conditions for the purposes of the Visual Examinations shall include areas of corrosion, boric acid deposits, discoloration, and other evidence of nozzle leakage. Acceptance Criteria specified in ASME Code Case N-729-1, subject to the conditions in 10CFR50.55a (g) (6) (ii) (D) (2) through (6). On 12-18-2008 Rachel Doss submitted QA-513J form ER-ONS-09-02 to schedule these augmented exams. These exams will replace the exams required by NRC-Order EA-03-009 (Summary Number O2.G11.1.0002). On 5-11-2010 Rachel Doss submitted QA-513J form ER-ONS-10-03 to change the schedule to begin the exams in 2EOC-25. Procedure changed from NDE-68 to NDE-70 without new QA-513J issued on ONS2-116.						
O2.G14.1.0001	2-PZR-THERM								
	Class 1 50		NDE-68	VT-2	CS-Inconel		0.250 / 1.000		G14.001.001
Circumferential		OM 1201-1135							
Dissimilar		OM 100-1189							
			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."						
O2.G3.1.0001	2-PSL-11								
	Class 1 50	ISI-OCN2-015	NDE-35	PT	SS		0.250 / 1.000		G03.001.001
Circumferential		2-50-12							
Stress Weld		O-ISIN4-100A-2.2							
			Drain Nozzle to Pipe 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.G3.1.0002	2-PSL-133 Class 1 50	ISI-OCN2-015 2-50-12 O-ISIN4-100A-2.2	PDI-UT-2 Examine 3" band of the entire circumferenceat the midpoint of the elbow (Data Point # 133/Calculation # OSC 1522). Reference Section 7of the ISI Plan, General Requirements. Elbow (pc.80) at welds 6 & 7 on iso ISI-OCN2-015.	UT	SS		1.000 / 10.000	40354 PDI-UT-2A-O PDI-UT-2-O	G03.001.002
O2.G3.1.0003	2-PSL-142 Class 1 50	ISI-OCN2-015 2-50-12 O-ISIN4-100A-2.2	PDI-UT-2 Examine 3" band of the entire circumference at the midpoint of the elbow (Data Point # 142/Calculation # OSC 1522). Reference Section 7of the ISI Plan, General Requirements. Elbow (pc.80) at welds 3 & 4 on iso ISI-OCN2-015.	UT	SS		1.000 / 10.000	40354 PDI-UT-2A-O PDI-UT-2-O	G03.001.003
O2.G4.1.0008 Circumferential	2RC-202-4 Class 1 51A	2RC-202 O-ISIN4-101A-2.4	NDE-12 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.	RT	SS		0.375 / 2.500		G04.001.013
O2.G4.1.0008 Circumferential	2RC-202-4 Class 1 51A	2RC-202 O-ISIN4-101A-2.4	NDE-995 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.	UT	SS		0.375 / 2.500	Component 40378	G04.001.013

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		G04.001.014
			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	G04.001.014
			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		G04.001.015
			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	G04.001.015
			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	2RC-205-4								
	Class 1 51A	2RC-205	NDE-12	RT	SS		0.375 / 2.500		G04.001.016
Circumferential		O-ISIN4-101A-2.4							
			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	2RC-205-4								
	Class 1 51A	2RC-205	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.016
Circumferential		O-ISIN4-101A-2.4							
			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.						
Category B-D									
O2.B3.110.0004	2-PZR-WP33-2								
	Class 1 50	ISI-OCN2-002	NDE-820	UT	CS		4.750 / NA	40394	B03.110.004
Circumferential		OM-1201-456							
		OM-1201.-1526							
			Nozzle to Head						
			Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5. X-Y Quadrant. For this component inspection, a 35 degree angle beam is to be used in place of the 60 degree angle for the full volume area of interest. Also, the actual position of the lifting lug causing the limitation needs to be verified and documented. This will be required in order to accurately calculate the percent of coverage. The thickness listed is shown on OM-1201-456, and the NPS will be NA, since dimension not needed for nozzle to shell.						

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.B3.110.0004 Circumferential	2-PZR-WP33-2 Class 1 50	ISI-OCN2-002 OM-1201-456 OM-1201.-1526	NDE-640 Nozzle to Head Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5. X-Y Quadrant. For this component inspection, a 35 degree angle beam is to be used in place of the 60 degree angle for the full volume area of interest. Also, the actual position of the lifting lug causing the limitation needs to be verified and documented. This will be required in order to accurately calculate the percent of coverage. The thickness listed is shown on OM-1201-456, and the NPS will be NA, since dimension not needed for nozzle to shell.	UT	CS		4.750 / NA	40394	B03.110.004
O2.B3.120.0009	2-PZR-WP26-1 Class 1 50	ISI-OCN2-002 OM-1201-456 OM-1201.-1527	NDE-680 Nozzle to Shell Pressurizer Sampling Nozzle Pc. 30 to Heater Belt Shell Pc. 4. W-X Quadrant. (Inside Radius Section) The thickness listed is shown on OM-1201-456, and the NPS will be NA, since dimension is not needed for nozzle to shell.	UT	CS		6.187 / NA	40338 50237E	B03.120.009
O2.B3.120.0011	2-PZR-WP26-3 Class 1 50	ISI-OCN2-002 OM-1201-456 OM-1201.-1527	NDE-680 Nozzle to Shell Pressurizer Sampling Nozzle Pc. 30 to Heater Belt Shell Pc. 4. Z-W Quadrant, 47 Degrees off W-Axis. (Inside Radius Section) The thickness listed is shown on OM-1201-456, and the NPS will be NA, since dimension is not needed for nozzle to shell.	UT	CS		6.187 / NA	40338 50237E	B03.120.011
Category B-G-1									
O2.B6.10.0041	2-RPV-26-204-41 Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62 Reactor Vessel Closure Nut Pc. 26.	VT-1	CS		1.300 / 9.250		B06.010.041

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-1									
O2.B6.10.0042	2-RPV-26-204-42 Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62 Reactor Vessel Closure Nut Pc. 26.	VT-1	CS		1.300 / 9.250		B06.010.042
O2.B6.10.0043	2-RPV-26-204-43 Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62 Reactor Vessel Closure Nut Pc. 26.	VT-1	CS		1.300 / 9.250		B06.010.043
O2.B6.10.0044	2-RPV-26-204-44 Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62 Reactor Vessel Closure Nut Pc. 26.	VT-1	CS		1.300 / 9.250		B06.010.044
O2.B6.10.0045	2-RPV-26-204-45 Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62 Reactor Vessel Closure Nut Pc. 26.	VT-1	CS		1.300 / 9.250		B06.010.045
O2.B6.10.0046	2-RPV-26-204-46 Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62 Reactor Vessel Closure Nut Pc. 26.	VT-1	CS		1.300 / 9.250		B06.010.046
O2.B6.10.0047	2-RPV-26-204-47 Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62 Reactor Vessel Closure Nut Pc. 26.	VT-1	CS		1.300 / 9.250		B06.010.047
O2.B6.10.0048	2-RPV-26-204-63 Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62 Reactor Vessel Closure Nut Pc. 26.	VT-1	CS		1.300 / 9.250		B06.010.048

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-1									
O2.B6.10.0049	2-RPV-26-204-65 Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62 Reactor Vessel Closure Nut Pc. 26.	VT-1	CS		1.300 / 9.250		B06.010.049
O2.B6.10.0050	2-RPV-26-204-50 Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62 Reactor Vessel Closure Nut Pc. 26.	VT-1	CS		1.300 / 9.250		B06.010.050
O2.B6.10.0051	2-RPV-26-204-51 Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62 Reactor Vessel Closure Nut Pc. 26.	VT-1	CS		1.300 / 9.250		B06.010.051
O2.B6.10.0052	2-RPV-26-204-52 Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62 Reactor Vessel Closure Nut Pc. 26.	VT-1	CS		1.300 / 9.250		B06.010.052
O2.B6.10.0053	2-RPV-26-204-53 Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62 Reactor Vessel Closure Nut Pc. 26.	VT-1	CS		1.300 / 9.250		B06.010.053
O2.B6.10.0054	2-RPV-26-204-54 Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62 Reactor Vessel Closure Nut Pc. 26.	VT-1	CS		1.300 / 9.250		B06.010.054
O2.B6.10.0055	2-RPV-26-204-55 Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62 Reactor Vessel Closure Nut Pc. 26.	VT-1	CS		1.300 / 9.250		B06.010.055

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-1									
O2.B6.10.0056	2-RPV-26-204-56								
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	CS		1.300 / 9.250		B06.010.056
			Reactor Vessel Closure Nut Pc. 26.						
O2.B6.10.0057	2-RPV-26-204-57								
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	CS		1.300 / 9.250		B06.010.057
			Reactor Vessel Closure Nut Pc. 26.						
O2.B6.10.0058	2-RPV-26-204-58								
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	CS		1.300 / 9.250		B06.010.058
			Reactor Vessel Closure Nut Pc. 26.						
O2.B6.10.0059	2-RPV-26-204-59								
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	CS		1.300 / 9.250		B06.010.059
			Reactor Vessel Closure Nut Pc. 26.						
O2.B6.10.0060	2-RPV-26-204-60								
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	CS		1.300 / 9.250		B06.010.060
			Reactor Vessel Closure Nut Pc. 26.						
O2.B6.200.0001	2-RCP-2A1-NUTS								
	Class 1 50	OM-1201.D-0057 O-ISIN4-100A-2.1	NDE-62	VT-1	CS		0.000 / 0.000		B06.200.001
			Reactor Coolant Pump 2A1 Main Flange. 20 Nuts, Bushings, and Washers. Inspect main flange nuts, bushings and washers on one reactor coolant pump only.						

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-1									
O2.B6.30.0041	2-RPV-25-204-41 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.041
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0042	2-RPV-25-204-42 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.042
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0043	2-RPV-25-204-43 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.043
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0044	2-RPV-25-204-44 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.044
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0045	2-RPV-25-204-45 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.045
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0046	2-RPV-25-204-46 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.046
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0047	2-RPV-25-204-47 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.047
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						

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-1									
O2.B6.30.0048	2-RPV-25-204-48 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.048
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0049	2-RPV-25-204-49 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.049
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0050	2-RPV-25-204-50 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.050
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0051	2-RPV-25-204-51 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.051
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0052	2-RPV-25-204-52 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.052
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0053	2-RPV-25-204-53 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.053
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0054	2-RPV-25-204-54 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.054
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						

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-1									
O2.B6.30.0055	2-RPV-25-204-55 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.055
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0056	2-RPV-25-204-56 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.056
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0057	2-RPV-25-204-57 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.057
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0058	2-RPV-25-204-58 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.058
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0059	2-RPV-25-204-59 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.059
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.30.0060	2-RPV-25-204-60 Class 1 50	OM-201.-2938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420	B06.030.060
			Reactor Vessel Closure Stud Pc. 25 - Removed. Stud Length = 63.250.						
O2.B6.50.0003	2-RPV-WASH-BUSH Class 1 50	B&W152009E OM 1201-1538	NDE-62	VT-1	CS		0.000 / 9.750		B06.050.003
			Reactor Vessel Closure Washers and Bushings. Stud Holes 41 thru 60.						

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-1									
Category B-G-2									
O2.B7.50.0002	2-PZR-RC66-STUDS Class 1 50	OM-1201-1526 B&W149762E	NDE-62	VT-1	CS		1.125 / NA		B07.050.002
			Pressurizer Relief Valve 2RC-66 Inlet Flange Bolting. W-Z Quadrant. 8 Studs and 16 Nuts, Length = 8.750". Examine all studs and nuts.						
O2.B7.70.0007	2-53A-LP177-STUDS Class 1 53A	OM-245-2315.001 O-ISIN4-102A-2.3	NDE-62	VT-1	SS		1.375 / NA		B07.070.009
			B-Side LPI 10" Valve 2LP-177 Bolting. Inspect one of the following valves: 2LP-177 or 2LP-176. Examine all studs and nuts. Length of Bolting = 8.25"						
Category B-J									
O2.B9.11.0047	2-PDA1-1 Class 1 50	ISI-OCN2-011 OM-1201-966	NDE-830	UT	SS		2.330 / 33.500	50214	B09.011.047, B09.011.047A
Circumferential Terminal End Stress Weld			Casing to Safe End Reactor Coolant Pump 2A1 Discharge Piping. RCP 2A1 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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.B9.11.0047 Circumferential Terminal End Stress Weld	2-PDA1-1 Class 1 50	ISI-OCN2-011 OM-1201-966	PDI-UT-2 Casing to Safe End Reactor Coolant Pump 2A1 Discharge Piping. RCP 2A1 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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.	UT	SS		2.330 / 33.500	40397	B09.011.047, B09.011.047A
O2.B9.11.0052 Circumferential Terminal End Stress Weld	2-PIA2-8 Class 1 50	ISI-OCN2-008 OM-1201-966	NDE-830 Casing to Safe End Reactor Coolant Pump 2A2 Suction Piping. RCP 2A2 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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.	UT	SS		2.330 / 33.500	50214	B09.011.052, B09.011.052A

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.B9.11.0052	2-PIA2-8								
	Class 1 50	ISI-OCN2-008 OM-1201-966	PDI-UT-2	UT	SS		2.330 / 33.500	40397	B09.011.052, B09.011.052A
Circumferential Terminal End Stress Weld			Casing to Safe End Reactor Coolant Pump 2A2 Suction Piping. RCP 2A2 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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.B9.11.0065	2HP-215-3								
	Class 1 51A	2HP-215 O-ISIN4-101A-2.4	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2-O PDI-UT-2A-O	B09.011.101, B09.011.101A
Circumferential			Tee 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. This weld was listed previously as 2-51A-27-56B until iso 2-51A-27 (3) was redrawn. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.B9.11.0070	2LP-189-5 Class 1 53A	2LP-189 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2A-O PDI-UT-2-O	B09.011.206, B09.011.206A
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-8-5 on iso 2-53A-8(1) until it was transferred to iso 2LP-189. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.B9.11.0091	2-53A-8-31 Class 1 53A	2-53A-8(2) O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	PDI-UT-2-O PDI-UT-2A-O 40354	B09.011.
Circumferential			Pipe to Tee Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.B9.11.0137	2-53A-10-7 Class 1 53A	2-53A-10 O-ISIN4-102A-2.1	PDI-UT-2	UT	SS		1.125 / 12.000	PDI-UT-2-O PDI-UT-2A-O 40413	B09.011.
Circumferential			Pipe to Elbow Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.B9.11.0145 • Circumferential	2-53A-8-45 Class 1 53A	2-53A-8(2) O-ISIN4-102A-2.3	PDI-UT-2 Pipe to Elbow Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.	UT	SS		1.250 / 14.000	PDI-UT-2-O 50430	B09.011.
O2.B9.11.0146 Circumferential	2-53A-8-46 Class 1 53A	2-53A-8(2) O-ISIN4-102A-2.3	PDI-UT-2 Pipe to Elbow Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.	UT	SS		1.250 / 14.000	PDI-UT-2-O 50430	B09.011.
O2.B9.11.0162 Circumferential	2-53A-8-61 Class 1 53A	2-53A-8(2) O-ISIN4-102A-2.3	PDI-UT-2 Pipe to Valve 2CF-12 Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.	UT	SS		1.250 / 14.000	PDI-UT-2-O 50430	B09.011.
O2.B9.21.0008 Circumferential Dissimilar Stress Weld	2-PIA1-11 Class 1 50	ISI-OCN2-007 B&W146823E	NDE-35 Nozzle to Safe End Reactor Coolant Pump 2A1 Suction Piping. Nozzle Pc. 64 to Safe End Pc. 65.	PT	CS-Inconel		0.816 / 3.500		B09.021.008

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.B9.21.0009 Circumferential Dissimilar Stress Weld	2-PIA2-11 Class 1 50	ISI-OCN2-008 B&W146823E	NDE-35 Nozzle to Safe End Reactor Coolant Pump 2A2 Suction Piping. Nozzle Pc. 64 to Safe End Pc. 65.	PT	CS-Inconel		0.816 / 3.500		B09.021.009
O2.B9.21.0011 Circumferential Dissimilar Stress Weld	2-PIB2-11 Class 1 50	ISI-OCN2-010 B&W146823E	NDE-35 Nozzle to Safe End Reactor Coolant Pump 2B2 Suction Piping. Nozzle Pc. 64 to Safe End Pc. 65.	PT	CS-Inconel		0.816 / 3.500		B09.021.011
O2.B9.21.0031 Circumferential Stress Weld	2HP-217-12 Class 1 51A	2HP-217 O-ISIN4-101A-2.4	NDE-35 Pipe to Valve 2HP-487 This weld was listed previously as 2-51A-30-31 until iso 2-51A-30 was redrawn.	PT	SS		0.375 / 2.500		B09.021.108
O2.B9.21.0032 Circumferential Stress Weld	2HP-218-22 Class 1 51A	2HP-218 O-ISIN4-101A-2.4	NDE-35 Pipe to Valve 2HP-489 Thickness could not be validated using OM Drawing or Isometric. If actual dimension is needed, a field measurement will be required.	PT	CS-Inconel		0.000 / 2.500		B09.021.109
O2.B9.21.0041 Circumferential Stress Weld	2RC-204-4 Class 1 51A	2RC-204 O-ISIN4-101A-2.4	NDE-35 Valve 2HP-487 to Valve 2HP-127	PT	SS		0.375 / 2.500		B09.021.118

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.B9.21.0045	2HP-496-2								
	Class 1 51A	2HP-496	NDE-35	PT	SS		0.438 / 3.000		B09.021.122
Circumferential		O-ISIN4-101A-2.1							
			Pipe to Elbow						
			This weld was listed previously as 2-51A-146-2 on iso 2-51A-146 until it was transferred to iso 2HP-246.						
O2.B9.21.0051	2-51A-30-36								
	Class 1 51A	2-51A-30	NDE-35	PT	SS		0.375 / 2.500		B09.021.128
Circumferential		O-ISIN4-101A-2.4							
			Elbow to Pipe						
O2.B9.21.0056	2-51A-35-40								
	Class 1 51A	2-51A-35 (2)	NDE-35	PT	SS		0.375 / 2.500		B09.021.133
Circumferential		O-ISIN4-101A-2.1							
			Pipe to Elbow						
O2.B9.21.0061	2HP-214-5								
	Class 1 51A	2HP-214	NDE-35	PT	SS		0.375 / 2.500		B09.021.138
Circumferential		O-ISIN4-101A-2.4							
			Pipe to Flange						
			This weld was listed previously as 2-51A-27-90 until iso 2-51A-27 (3) was redrawn.						
O2.B9.21.0064	2HP-215-20								
	Class 1 51A	2HP-215	NDE-35	PT	SS		0.375 / 2.500		B09.021.141
Circumferential		O-ISIN4-101A-2.4							
			Elbow to Pipe						
			This weld was listed previously as 2-51A-27-97A until iso 2-51A-27 (3) was redrawn.						
O2.B9.21.0065	2HP-215-5								
	Class 1 51A	2HP-215	NDE-35	PT	SS		0.375 / 2.500		B09.021.142
Circumferential		O-ISIN4-101A-2.4							
			Reducer to Pipe						
			This weld was listed previously as 2-51A-27-57B until iso 2-51A-27 (3) was redrawn.						

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.B9.21.0069 Circumferential	2HP-218-6 Class 1 51A	2HP-218 O-ISIN4-101A-2.4	NDE-35 This weld was listed previously as 2-51A-27-64 until iso 2-51A-27 (2) was redrawn.	PT	SS		0.375 / 2.500		B09.021.
O2.B9.21.0132 Circumferential	2-51A-35-126 Class 1 51A	2-51A-35 (1) O-ISIN4-100A-2.1	NDE-35 Reducer to Pipe	PT	SS		0.281 / 1.500		B09.021.
O2.B9.40.0003 Socket	2RC-271-25 Class 1 50	2RC-271 O-ISIN4-100A-2.2	NDE-35 Pipe to Valve 2LP-131 This weld was listed previously as 2-50-129-25 until iso 2-50-129 was deleted and all welds were tranferred to iso 2RC-271.	PT	SS		0.281 / 1.500		B09.040.003
O2.B9.40.0009 Socket	2-50-7-81 Class 1 50	2-50-7 (2) O-ISIN4-100A-2.1	NDE-35 Pipe to Elbow	PT	SS		0.281 / 1.500		B09.040.009
Category B-K									
O2.B10.10.0012	2-SGB-W15 Class 1 50	OM-201.S-0001 OM-201.S-0157 OM-201.S-0033	NDE-820 Support Skirt to Head Steam Generator 2B Base Support (skirt) to Lower Head. Per ASME Section XI, 1995 Addenda; Table IWB-2500-1, Examination Category B-K, perform a UT from side A-B (see Figure IWB-2500-14). Thickness listed is minimum, as shown on OM-201.S-0033.	UT	CS		3.781 / NA	7310-0061	B10.010.012

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-K									
O2.B10.10.0012	2-SGB-W15								
	Class 1 50	OM-201.S-0001 OM-201.S-0157 OM-201.S-0033	NDE-640	UT	CS		3.781 / NA	7310-0061	B10.010.012
			Support Skirt to Head Steam Generator 2B Base Support (skirt) to Lower Head. Per ASME Section XI, 1995 Addenda; Table IWB-2500-1, Examination Category B-K, perform a UT from side A-B (see Figure IWB-2500-14). Thickness listed is minimum, as shown on OM-201.S-0033.						
O2.B10.20.0003	2-51A-0-1479A-H16A								
	Class 1 51A	0-2RB-25315-03	NDE-35	PT	SS		0.500 / 2.500		B10.020.012
Rigid Support		O-ISIN4-101A-2.4							
			Calculation No. OSC-1324-06. HPI East Coolant Loop. Inspect with F01.010.012.						
O2.B10.20.0005	2-51A-0-1478A-H1C								
	Class 1 51A	0-2RB-25112-01	NDE-35	PT	SS		0.154 / 2.500		B10.020.014
Rigid Restraint		O-ISIN4-101A-2.1							
			Calculation No. OSC-1660-06. Inspect with F01.011.012. Standard Schedule 40 thickness was used for attachment (pipe stanchion). If actual dimension is needed, a field measurement will be required.						
O2.B10.20.0006	2-53-0-1478A-H4								
	Class 1 53	0-2RB-25310-03	NDE-35	PT	SS		0.258 / 12.000		B10.020.021
Rigid Restraint		O-ISIN4-102A-2.1							
			Calculation No. OSC-1320-06. Inspect with F01.011.021.						

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-B									
O2.C2.21.0001	2-SGA-W127								
	Class 2 01A	OM-201.S-0001	NDE-25	MT	CS		5.125 / NA		C02.021.001, C02.021.001A
Circumferential		OM-201.S-0026 OM-201.S-0157							
			Nozzle to Shell						
			Steam Generator 2A Main Steam Nozzle to Shell. X-1/Y-1 Quadrant. Thickness listed is nominal, and the NPS is NA, since dimension is not needed at nozzle to shell.						
O2.C2.21.0001	2-SGA-W127								
	Class 2 01A	OM-201.S-0001	NDE-640	UT	CS		5.125 / NA	20T-240	C02.021.001, C02.021.001A
Circumferential		OM-201.S-0026 OM-201.S-0157							
			Nozzle to Shell						
			Steam Generator 2A Main Steam Nozzle to Shell. X-1/Y-1 Quadrant. Thickness listed is nominal, and the NPS is NA, since dimension is not needed at nozzle to shell.						
O2.C2.21.0001	2-SGA-W127								
	Class 2 01A	OM-201.S-0001	NDE-820	UT	CS		5.125 / NA	20T-240	C02.021.001, C02.021.001A
Circumferential		OM-201.S-0026 OM-201.S-0157							
			Nozzle to Shell						
			Steam Generator 2A Main Steam Nozzle to Shell. X-1/Y-1 Quadrant. Thickness listed is nominal, and the NPS is NA, since dimension is not needed at nozzle to shell.						
Category C-C									
O2.C3.20.0002	2-01A-0-1441-H14								
	Class 2 01A	2-01-01/sht.1	NDE-25	MT	CS		0.750 / 36.000		C03.020.002
Rigid Support		O-ISIN4-122A-2.1							
			Calculation No. OSC-440. Inspect with F01.020.001.						
O2.C3.20.0005	2-03-0-1481A-H11A								
	Class 2 03	0-1490B-4(S)	NDE-25	MT	CS		0.500 / 24.000		C03.020.011
Rigid Restraint		O-ISIN4-121B-2.3							
			Calculation No. OSC-1316. Inspect with F01.021.011. A PT examination may be performed in lieu of or in conjunction with a MT examination in order to meet the surface examination requirements for this item.						

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.C3.20.0013	2-51-0-A36H-SR17								
	Class 2 51	0-2AB-25101-02	NDE-35	PT	SS		0.500 / 4.000		C03.020.031
Rigid Restraint		O-ISIN4-101A-2.2							
			Calculation No. OSC-479. Inspect with F01.021.041.						
O2.C3.20.0019	2-51A-436E-FAC-2802								
	Class 2 51A	0-2AB-25101-05	NDE-35	PT	SS		0.750 / 2.000		C03.020.037
Rigid Support		O-ISIN4-101A-2.2							
			Calculation No. OSC-479. Inspect with F01.020.043.						
O2.C3.20.0023	2-53B-0-435B-DE049								
	Class 2 53B	0-2AB-25301-01	NDE-35	PT	SS		0.500 / 14.000		C03.020.044
Rigid Restraint		O-ISIN4-102A-2.2							
			Calculation No. OSC-487. Inspect with F01.021.061.						
O2.C3.20.0025	2-53B-2-0-436E-H3								
	Class 2 53B	0-2AB-25301-01	NDE-35	PT	SS		0.280 / 14.000		C03.020.046
Rigid Support		O-ISIN4-102A-2.1							
			Calculation No. OSC-487. Inspect with F01.020.074.						
O2.C3.20.0027	2-53B-2-0-436E-H9								
	Class 2 53B	0-2AB-25102-02	NDE-35	PT	SS		0.125 / 6.000		C03.020.048
Rigid Support		O-ISIN4-101A-2.3							
			Calculation No. OSC-481. Inspect with F01.020.072. Thickness 0.125 was used as a reference, because thickness of attachment can't be validated using the support sketch. If actual dimension is needed, a field measurement will be required.						
O2.C3.20.0028	2-53B-0-1439B-H30								
	Class 2 53B	0-2AB-25302-01	NDE-35	PT	SS		0.125 / 10.000		C03.020.049
Rigid Support		O-ISIN4-102A-2.2							
			Calculation No. OSC-493. Inspect with F01.020.085. Thickness 0.125 was used as a reference, because thickness of attachment can't be validated using the support sketch. If actual dimension is needed, a field measurement will be required.						

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.C3.20.0192	2-14B-50-PEN # 33								
	Class 2 14B	2-14B-50 O-ISIN4-124B.2.2	NDE-35	PT	CS		0.750 /8.000		----
			Calculation # OSC-1325-06/Page 6(3)43/Problem Number 2-14-14 sht.1 8 Inch Pipe Type I Penetration located on the RB Side of Penetration # 33.						
O2.C3.20.0202	2LP-150-PEN #15								
	Class 2 53B	2LP-150 O-ISIN4-102A-2.2	NDE-35	PT	SS-CS		0.750 /10.000		----
			Calculation OSC-1318/Problem 2-53-12/sht.2 10 Inch Pipe Type II Penetration located on the RB Side of Penetration # 15.						
O2.C3.20.0211	2-55-1-0-1439C-H18								
	Class 2 55	OSC-498 O-ISIN4-144A-2.2	NDE-25	MT	CS		0.322 / 8.000		----
			Component Support Attachment Weld Component Support Attachment Weld. Calculation No. OSC-498.						
O2.C3.30.0001	2-HPI-PU-A								
	Class 2 51A	OM-201-1704 O-ISIN4-101A-2.3	NDE-35	PT	SS		2.000 / NA		C03.030.001
			Attachment to Pump High Pressure Injection Pump 2A.						

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.C5.11.0011	2LP-150-69 Class 2 53A	2LP-150 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.125 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.011, C05.011.011A
Circumferential			Elbow 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. This weld was listed previously as 2-53A-9-41 until iso 2-53A-9 was redrawn. This weld was previously listed as 2LP-150-41; but was deleted and remade as 2LP-150-69. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0012	2LP-150-70 Class 2 53A	2LP-150 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS	160	1.168 / 12.000	40413 PDI-UT-2-O PDI-UT-2A-O	C05.011.012, C05.011.012A
Circumferential			Reducer to Valve 2LP-17 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-9-42 until iso 2-53A-9 was redrawn. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0018	2LP-189-15 Class 2 53A	2LP-189 O-ISIN4-102A-2.2	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.018, C05.011.018A
Circumferential			Valve 2LP-47 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 2-53A-8-15 on iso 2-53A-8(1) until it was transferred to iso 2LP-189. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.C5.11.0019	2LP-217-21 Class 2 53A	2LP-217 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.019, C05.011.019A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0020	2LP-217-22 Class 2 53A	2LP-217 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.020, C05.011.020A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0047	2LP-216-17 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.047, C05.011.047A
Circumferential			Pipe to Valve 2LP-179 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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.C5.11.0048	2LP-216-18 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.048, C05.011.048A
Circumferential									
			Valve 2LP-179 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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0049	2LP-216-2 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.049, C05.011.049A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0050	2LP-216-20 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.050, C05.011.050A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.C5.11.0051	2LP-216-21 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.051, C05.011.051A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0052	2LP-216-22 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.052, C05.011.052A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0053	2LP-216-23 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.053, C05.011.053A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.C5.11.0054	2LP-216-24 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.054, C05.011.054A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0055	2LP-216-25 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.055, C05.011.055A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0056	2LP-216-6 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.056, C05.011.056A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.C5.11.0057	2LP-216-7 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.057, C05.011.057A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0058	2LP-216-8 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.058, C05.011.058A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0059	2LP-216-9 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.059, C05.011.059A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.C5.11.0064	2LP-217-20 Class 2 53A	2LP-217 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.064, C05.011.064A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0068	2LP-218-4 Class 2 53A	2LP-218 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.068, C05.011.068A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0069	2LP-218-5 Class 2 53A	2LP-218 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.069, C05.011.069A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.C5.11.0081	2LPS-723-1 Class 2 14B	2LPS-723 O-ISIN4-124B-2.2	PDI-UT-2	UT	SS		0.432 / 6.000	50319 PDI-UT-2-O PDI-UT-2A-O	C05.011.081, C05.011.081A
Circumferential			Flange 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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0082	2LPS-723-2 Class 2 14B	2LPS-723 O-ISIN4-124B-2.2	PDI-UT-2	UT	SS		0.432 / 6.000	50319 PDI-UT-2-O PDI-UT-2A-O	C05.011.082, C05.011.082A
Circumferential			Pipe to Flange 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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.11.0083	2LPS-723-3 Class 2 14B	2LPS-723 O-ISIN4-124B-2.2	PDI-UT-2	UT	SS		0.432 / 6.000	50319 PDI-UT-2-O PDI-UT-2A-O	C05.011.083, C05.011.083A
Circumferential			Flange 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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.C5.21.0007	2HP-219-3 Class 2 51A	2HP-219 O-ISIN4-101A-2.4	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2-O PDI-UT-2A-O	C05.021.014, C05.021.014A
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. This weld was listed previously as 2-51A-132-3 until iso 2-51A-132 was redrawn. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.21.0008	2HP-219-12 Class 2 51A	2HP-219 O-ISIN4-101A-2.4	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2-O PDI-UT-2A-O	C05.021.015, C05.021.015A
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. This weld was listed previously as 2-51A-132-9 until iso 2-51A-132 was redrawn. This weld was cut out and welded back. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.21.0009	2-51A-133-3 Class 2 51A	2-51A-133 O-ISIN4-101A-2.4	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2-O PDI-UT-2A-O	C05.021.017, C05.021.017A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.C5.21.0010	2-51A-17-49 Class 2 51A	2-51A-17 (1) O-ISIN4-101A-2.2	PDI-UT-2	UT	SS		0.237 / 4.000	PDI-UT-2A-O PDI-UT-2-O 8279-0416	C05.021.018, C05.021.018A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.21.0037	2-51A-29-1 Class 2 51A	2-51A-29 O-ISIN4-101A-2.4	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2-O PDI-UT-2A-O	C05.021.045, C05.021.045A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.21.0038	2HP-396-2 Class 2 51A	2HP-396 O-ISIN4-101A-2.4	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2-O PDI-UT-2A-O	C05.021.046, C05.021.046A
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-29-2 on iso 2-51A-29 until it was transferred to iso 2HP-396. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.C5.21.0039	2-51A-31-59 Class 2 51A	2-51A-31 O-ISIN4-101A-2.1	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2-O PDI-UT-2A-O	C05.021.047, C05.021.047A
Circumferential									
			Reducer 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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.21.0040	2-51A-31-5 Class 2 51A	2-51A-31 O-ISIN4-101A-2.1	PDI-UT-2	UT	SS		0.674 / 4.000	8279-0412 PDI-UT-2-O PDI-UT-2A-O	C05.021.048, C05.021.048A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.21.0041	2HP-338-52 Class 2 51A	2HP-338 O-ISIN4-101A-2.1	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2-O PDI-UT-2A-O	C05.021.049, C05.021.049A
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. This weld used to be listed as 2-51A-31-52 and was shown on isometric 2-51A-31. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.C5.21.0042	2-51A-17-20A Class 2 51A	2-51A-17 (1) O-ISIN4-101A-2.3	PDI-UT-2	UT	SS		0.216 / 3.000	8279-0420 PDI-UT-2-O PDI-UT-2A-O	C05.021.050, C05.021.050A
Circumferential			Pipe to Valve 2LP-56 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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.21.0050	2HP-338-51 Class 2 51A	2HP-338 O-ISIN4-101A-2.1	PDI-UT-2	UT	SS		0.438 / 3.000	50225 PDI-UT-2-O PDI-UT-2A-O	C05.021.058, C05.021.058A
Circumferential			Reducer 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-31-51 and was shown on isometric 2-51A-31. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
Category C-F-2									
O2.C5.51.0012	2MS-146-4 Class 2 01A	2MS-146 O-ISIN4-122A-2.1	PDI-UT-1	UT	CS		0.562 / 12.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.012, C05.051.012A
Circumferential			Elbow to Valve 2MS-155 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. The Component ID 2MS-104-18A was deleted per 2MS-104 Revision 6. This Summary Number is changed to 2MS-146-4(refernce ONS2-083). Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.C5.51.0017	2-03A-67-11								
	Class 2 03A	2-03A-67 O-ISIN4-121D-2.1	PDI-UT-1	UT	CS		0.562 / 6.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.017, C05.051.017A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.51.0024	2SGB-W236								
	Class 2 03	OM 201.S--0155.001 O-ISIN4-121B-2.3	PDI-UT-1	UT	CS		0.750 / 14.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.024, C05.051.024A
Circumferential									
			Tee 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. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.51.0043	2LPS-597-17								
	Class 2 14B	2LPS-597	NDE-600	UT	CS		0.500 / 8.000	Component	C05.051.043, C05.051.043A
Circumferential		O-ISIN4-124B-2.2							
			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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.C5.51.0044	2LPS-597-3AB								
	Class 2 14B	2LPS-597	NDE-600	UT	CS		0.500 / 8.000	Component	C05.051.044, C05.051.044A
Circumferential		O-ISIN4-124B-2.2							
			Elbow to Pipe This weld was listed previously as 2-14B-52-3AB until iso 2-14B-52 was redrawn. 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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.51.0045	2LPS-600-1								
	Class 2 14B	2LPS-600 O-ISIN4-124B-2.2	PDI-UT-1	UT	CS		0.500 / 8.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.045, C05.051.045A
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-53-1 until iso 2-14B-53 was redrawn. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.51.0046	2LPS-600-86								
	Class 2 14B	2LPS-600 O-ISIN4-124B-2.2	PDI-UT-1	UT	CS		0.500 / 8.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.046, C05.051.046A
Circumferential									
			Elbow 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-53-86 until iso 2-14B-53 was redrawn. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 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.C5.51.0047	2LPS-600-87								
	Class 2 14B	2LPS-600 O-ISIN4-124B-2.2	PDI-UT-1	UT	CS		0.500 / 8.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.047, C05.051.047A
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 Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O2.C5.51.0484	2-03A-11-49								
	Class 2 03A	2-03A-11 O-ISIN4-121D-2.1	PDI-UT-1	UT	CS		0.432 / 6.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.
Circumferential									
			Pipe to Valve 2FDW-346 Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185						
Category D-A									
O2.D1.10.0001	2-RBCC-A								
	Class 3 14B	OM-201-85 O-ISIN4-124B-2.1 O-437C	NDE-65	VT-1	NA		0.000 / 0.000		D01.010.001
			Reactor Building Component Cooler 2A Support. Welded Attachment at Support Legs A & B. Drawing O-437C was added to show the stacking arrangement of Coolers.						
O2.D1.20.0011	2-03A-1-0-1401B-SR5								
	Class 3 03A	2-03A-05/sht.5 O-ISIN4-121D-2.1	NDE-65	VT-1	NA		1.000 / 6.000		D01.020.017
Rigid Restraint									
			Calculation No. OSC-447. Inspect with F01.031.014.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category D-A									
O2.D1.20.0013	2-03A-1-0-437B-H1								
	Class 3 03A	2-03A-09/sht.3	NDE-65	VT-1	NA		0.125 / 6.000		D01.020.019
Spring Hgr		O-ISIN4-121D-2.1							
			Calculation No. OSC-450. Inspect with F01.032.013.						
O2.D1.20.0014	2-03A-1-0-437B-H2								
	Class 3 03A	2-03A-09/sht.3	NDE-65	VT-1	NA		0.500 / 6.000		D01.020.020
Rigid Restraint		O-ISIN4-121D-2.1							
			Calculation No. OSC-450. Inspect with F01.031.020.						
O2.D1.20.0020	2-14B-0-1439B-RJP-3101								
	Class 3 14B	2-14-06/sht.2	NDE-65	VT-1	NA		0.187 / 8.000		D01.020.063
Rigid Support		O-ISIN4-124B-2.2							
			Calculation No. OSC-475. Inspect with F01.030.074.						
O2.D1.20.0026	0-14C-447A-H7039								
	Class 3 14C	4-14-12/sht.1	NDE-65	VT-1	NA		1.000 / 6.000		D01.020.069
Rigid Restraint		O-ISIN4-133A-2.5							
			Calculation No. OSC-1224-26. Inspect with F01.031.068.						
Category ELC									
O2.H2.1.0001	2-PHA-13								
	Class 1 50	ISI-OCN2-005	NDE-35	PT	CS-Inconel		2.875 / NA		H02.001.001
Circumferential Dissimilar		OM-1201-1521							
			Mounting Boss to Pipe RTE Mounting Boss Pc.12 to Pipe Pc.7. This weld covers the X-Axis. The diameter of hole that penetrates the nozzle into the Hot Leg = .613. Reference Section 7 of the ISI Plan, General Requirements.						
O2.H2.1.0002	2-PHA-14								
	Class 1 50	ISI-OCN2-005	NDE-35	PT	CS-Inconel		2.875 / NA		H02.001.002
Circumferential Dissimilar		OM-1201-1521							
			Mounting Boss to Pipe RTE Mounting Boss Pc.12 to Pipe Pc.7. This weld covers the Y-Z Axis. The diameter of hole that penetrates the nozzle into the Hot Leg = .613. 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 ELC									
O2.H2.1.0003 Circumferential Dissimilar	2-PHA-15 Class 1 50	ISI-OCN2-005 OM-1201-1521	NDE-35 Mounting Boss to Pipe RTE Mounting Boss Pc.12 to Pipe Pc.7. This weld covers the Z-W Axis. The diameter of hole that penetrates the nozzle into the Hot Leg = .613. Reference Section 7 of the ISI Plan, General Requirements.	PT	CS-Inconel		2.875 / NA		H02.001.003
O2.H2.1.0007 Circumferential Dissimilar	2-PIA1-12 Class 1 50	ISI-OCN2-007 OM-1201-1521	NDE-35 Mounting Boss to Pipe RTE Mounting Boss Pc.58 to Pipe Pc.56. The diameter of hole that penetrates the nozzle into RCP 2A1 Suction Piping = .613. Reference Section 7 of the ISI Plan, General Requirements.	PT	CS-Inconel		2.250 / NA		H02.001.007
O2.H3.1.0012 Circumferential	2-03-18-45 Class 2 03	2-03-18 (2) O-ISIN4-121B-2.3	NDE-946 Pipe to Pipe 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.	UT	CS		1.219 / 24.000	Step Wedge	H03.001.012
O2.H3.1.0012 Circumferential	2-03-18-45 Class 2 03	2-03-18 (2) O-ISIN4-121B-2.3	PDI-UT-1 Pipe to Pipe 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.	UT	CS		1.219 / 24.000	PDI-UT-1-O PDI-UT-1A-O	H03.001.012

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.H3.1.0013 Circumferential	2-03-18-44AA Class 2 03	2-03-18 (2) O-ISIN4-121B-2.3	NDE-946 Pipe to Valve 2FDW-37 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.	UT	CS		1.219 / 24.000	Step Wedge	H03.001.013
O2.H3.1.0013 Circumferential	2-03-18-44AA Class 2 03	2-03-18 (2) O-ISIN4-121B-2.3	PDI-UT-1 Pipe to Valve 2FDW-37 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.	UT	CS		1.219 / 24.000	PDI-UT-1A-O PDI-UT-1-O	H03.001.013
O2.H3.1.0014 Circumferential	2-03-18-44AB Class 3 03	2-03-18 (2) O-ISIN4-121B-2.3	NDE-946 Valve 2FDW-37 to Pipe 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.	UT	CS		1.219 / 24.000	Step Wedge	H03.001.014
O2.H3.1.0014 Circumferential	2-03-18-44AB Class 3 03	2-03-18 (2) O-ISIN4-121B-2.3	PDI-UT-1 Valve 2FDW-37 to Pipe 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.	UT	CS		1.219 / 24.000	PDI-UT-1A-O PDI-UT-1-O	H03.001.014

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.H3.1.0015	2-03-18-46G								
	Class 2 03	2-03-18 (2) O-ISIN4-121B-2.3	NDE-946	UT	CS		1.219 / 24.000	Step Wedge	H03.001.015
Circumferential									
			Elbow to Pipe Weld 2-03-18-46 is a pipe to elbow weld located on iso 2-03-18(2). Weld 2-03-18-46G is a Grinnell Subassembly (elbow to pipe) weld located on the opposite end of the elbow from weld 1-03-18-46. 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.H3.1.0015	2-03-18-46G								
	Class 2 03	2-03-18 (2) O-ISIN4-121B-2.3	PDI-UT-1	UT	CS		1.219 / 24.000	PDI-UT-1A-O PDI-UT-1-O	H03.001.015
Circumferential									
			Elbow to Pipe Weld 2-03-18-46 is a pipe to elbow weld located on iso 2-03-18(2). Weld 2-03-18-46G is a Grinnell Subassembly (elbow to pipe) weld located on the opposite end of the elbow from weld 1-03-18-46. 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.H3.1.0016	2-03-18-46								
	Class 3 03	2-03-18 (2) O-ISIN4-121B-2.3	NDE-946	UT	CS		1.219 / 24.000	Step Wedge	H03.001.016
Circumferential									
			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.						

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.H3.1.0016	2-03-18-46								
	Class 3 03	2-03-18 (2) O-ISIN4-121B-2.3	PDI-UT-1	UT	CS		1.219 / 24.000	PDI-UT-1A-O PDI-UT-1-O	H03.001.016
Circumferential									
			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.H4.1.0015	2-03-1401A-H4087								
	Class 3 03	2-03-01 O-ISIN4-121B-2.3	NDE-25	MT	CS		0.322 / 24.000		H04.001.015, H04.001.015A
Mech Snubber									
			Calculation No. OSC-454. -- (H04.001.015A) 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.H4.1.0015	2-03-1401A-H4087								
	Class 3 03	2-03-01 O-ISIN4-121B-2.3	NDE-66	VT-3	CS		0.322 / 24.000		H04.001.015, H04.001.015A
Mech Snubber									
			Calculation No. OSC-454. -- (H04.001.015A) 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.H4.1.0016	2-03-0-1401A-R12								
	Class 3 03	2-03-01/sht.1 O-ISIN4-121B-2.3	NDE-25	MT	CS		1.000 / 24.000		H04.001.016, H04.001.016A
Mech Snubber									
			Calculation No. OSC-454 -- (H04.001.016A) 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.H4.1.0016	2-03-0-1401A-R12								
	Class 3 03	2-03-01/sht.1	NDE-66	VT-3	CS		1.000 / 24.000		H04.001.016, H04.001.016A
Mech Snubber		O-ISIN4-121B-2.3							
			Calculation No. OSC-454 -- (H04.001.016A) 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.H4.1.0017	2-03-0-551-H65								
	Class 3 03	2-03-01/sht.1	NDE-66	VT-3	NA		0.000 / 24.000		H04.001.017
Rigid Support		O-ISIN4-121B-2.3							
			Calculation No. OSC-454.						
O2.H4.1.0018	2-03-0-1401A-R13								
	Class 3 03	2-03-01/sht.1	NDE-66	VT-3	NA		0.000 / 24.000		H04.001.018.
Mech Snubber		O-ISIN4-121B-2.3							
			Calculation No. OSC-454.						
O2.H4.1.0019	2-03-0-551-H59								
	Class 3 03	2-03-01/sht.1	NDE-25	MT	CS		1.500 / 24.000		H04.001.019, H04.001.019A
Spring Hgr		O-ISIN4-121B-2.3							
			Calculation No. OSC-454. *-- (H04.001.019A) 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.H4.1.0019	2-03-0-551-H59								
	Class 3 03	2-03-01/sht.1	NDE-66	VT-3	CS		1.500 / 24.000		H04.001.019, H04.001.019A
Spring Hgr		O-ISIN4-121B-2.3							
			Calculation No. OSC-454. -- (H04.001.019A) 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.H4.1.0020	2-03-0-551-H58								
	Class 3 03	2-03-01/sht.1	NDE-25	MT	CS		0.322 / 24.000		H04.001.020, H04.001.020A
Spring Hgr		O-ISIN4-121B-2.3							
			Calculation No. OSC-454. -- (H04.001.020A) 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. Standard Schedule 40 thickness was used for attachment (pipe stanchion). If actual dimension is needed, a field measurement will be required.						
O2.H4.1.0020	2-03-0-551-H58								
	Class 3 03	2-03-01/sht.1	NDE-66	VT-3	CS		0.322 / 24.000		H04.001.020, H04.001.020A
Spring Hgr		O-ISIN4-121B-2.3							
			Calculation No. OSC-454. -- (H04.001.020A) 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. Standard Schedule 40 thickness was used for attachment (pipe stanchion). If actual dimension is needed, a field measurement will be required.						
O2.H4.1.0021	2-FPA-27								
	Class 3 03	O-ISIN4-121B-2.3	NDE-25	MT	CS		1.000 / 24.000		H04.001.021, H04.001.021A
		O-494							
		O-60M							
			Rupture Restraint -- (H04.001.021A) 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.H4.1.0021	2-FPA-27								
	Class 3 03	O-ISIN4-121B-2.3	NDE-66	VT-3	CS		1.000 / 24.000		H04.001.021, H04.001.021A
		O-494							
		O-60M							
			Rupture Restraint -- (H04.001.021A) 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.H4.1.0022	2-FPA-25 Class 3 03	O-ISIN4-121B-2.3 O-494 O-60M	NDE-25 Rupture Restraint -- (H04.001.022A) 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.	MT	CS		1.000 / 24.000		H04.001.022, H04.001.022A
O2.H4.1.0022	2-FPA-25 Class 3 03	O-ISIN4-121B-2.3 O-494 O-60M	NDE-66 Rupture Restraint -- (H04.001.022A) 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.	VT-3	CS		1.000 / 24.000		H04.001.022, H04.001.022A
Category F-A									
O2.F1.10.0002 Rigid Support	2-51A-0-1479A-H16A Class 1 51A	0-2RB-25315-03 O-ISIN4-101A-2.4	NDE-66 Calculation No. OSC-1324-06. HPI East Coolant Loop.	VT-3	NA		0.500 / 2.500		F01.010.012
O2.F1.10.0007 Rigid Restraint	2-53A-0-1478A-H2A Class 1 53A	0-1492D-2(s) O-ISIN4-102A-2.3 2-53-13/sht.1	NDE-66 Calculation No. OSC-1318.	VT-3	NA		0.000 / 14.000		F01.010.031
O2.F1.11.0002 Rigid Restraint	2-51A-0-1478A-H1C Class 1 51A	0-2RB-25112-01 O-ISIN4-101A-2.1	NDE-66 Calculation No. OSC-1660-06.	VT-3	NA		0.154 / 2.500		F01.011.012

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.F1.11.0005	2-53-0-1478A-H4								
	Class 1 53	0-2RB-25310-03	NDE-66	VT-3	NA		0.258 / 12.000		F01.011.021
Rigid Restraint		O-ISIN4-102A-2.1							
			Calculation No. OSC-1320-06.						
O2.F1.12.0001	2-50-0-1480A-H11								
	Class 1 50	0-2RB-25314-01	NDE-66	VT-3	NA		0.000 / 2.500		F01.012.001
Hyd Snubber		O-ISIN4-100A-2.2							
			Calculation No. OSC-1324-06.						
O2.F1.12.0006	2-51A-0-1478A-H2C								
	Class 1 51A	0-2RB-25112-01	NDE-66	VT-3	NA		0.000 / 2.500		F01.012.012
Spring Hgr		O-ISIN4-101A-2.1							
			Calculation No. OSC-1324-06.						
O2.F1.20.0001	2-01A-0-1441-H14								
	Class 2 01A	2-01-01/sht.1	NDE-66	VT-3	NA		0.750 / 36.000		F01.020.001
Rigid Support		O-ISIN4-122A-2.1							
			Calculation No. OSC-440. Inspect with C03.020.002.						
O2.F1.20.0006	2-03-0-1480A-H10A								
	Class 2 03	0-1490B-4(S)	NDE-66	VT-3	NA		0.365 / 24.000		F01.020.012
Rigid Support		O-ISIN4-121B-2.3							
		2-03-05/sht.3							
			Calculation No. OSC-1316-06(Vol.B).						
O2.F1.20.0007	2-03A-1-0-1439A-R61								
	Class 2 03A	2-03A-05/sht.1	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.013
Rigid Support		O-ISIN4-121D-2.1							
			Calculation No. OSC-447.						
O2.F1.20.0015	2-51A-436E-FAC-2802								
	Class 2 51A	0-2AB-25101-05	NDE-66	VT-3	NA		0.750 / 2.000		F01.020.043
Rigid Support		O-ISIN4-101A-2.2							
			Calculation No. OSC-479. Inspect with C03.020.037.						

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.F1.20.0019	2-51A-6-0-435B-SR59								
	Class 2 51A	0-2AB-25102-02	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.047
Rigid Support		O-ISIN4-101A-2.3							
			Calculation No. OSC-481.						
O2.F1.20.0020	2-51A-3-0-1439A-SR160								
	Class 2 51A	0-2AB-25103-01	NDE-66	VT-3	NA		0.000 / 2.500		F01.020.048
Rigid Support		O-ISIN4-101A-2.1							
			Calculation No. OSC-480.						
O2.F1.20.0028	2-51A-2-0-1439C-H16								
	Class 2 51A	2-51-18/sht.6	NDE-66	VT-3	NA		0.000 / 4.000		F01.020.056
Rigid Support		O-ISIN4-101A-2.4							
			Calculation No. OSC-1023.						
O2.F1.20.0034	2-53B-2-0-436E-H9								
	Class 2 53B	0-2AB-25102-02	NDE-66	VT-3	NA		0.125 / 6.000		F01.020.072
Rigid Support		O-ISIN4-101A-2.3							
			Calculation No. OSC-481. Inspect with C03.020.048.						
O2.F1.20.0036	2-53B-2-0-436E-H3								
	Class 2 53B	0-2AB-25302-01	NDE-66	VT-3	NA		0.280 / 14.000		F01.020.074
Rigid Support		O-ISIN4-102A-2.2							
			Calculation No. OSC-487. Inspect with C03.020.046.						
O2.F1.20.0047	2-53B-0-1439B-H30								
	Class 2 53B	0-2AB-25302-01	NDE-66	VT-3	NA		0.125 / 10.000		F01.020.085
Rigid Support		O-ISIN4-102A-2.2							
			Calculation No. OSC-493. Inspect with C03.020.049.						
O2.F1.20.0053	2-54A-3-0-1439B-R42								
	Class 2 54A	2-54-03/sht.1	NDE-66	VT-3	NA		0.000 / 8.000		F01.020.095
Rigid Support		O-ISIN4-103A-2.1							
			Calculation No. OSC-496.						

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.F1.20.0057	2-56-2-0-438C-SR15								
	Class 2 56	4-56-02/sht.5	NDE-66	VT-3	NA		0.000 / 8.000		F01.020.101
Rigid Support		O-ISIN4-104A-1.1							
			Calculaton No. OS-421.						
O2.F1.20.0223	2-14B-0-1480A-H22F								
	Class 2 14B	2-14-14/sht.1	NDE-66	VT-3			0.000 / 8.000		F01.020.
Rigid Restraint		O-ISIN4-124B-2.2							
			Calculation No. OSC-1325-06.						
O2.F1.20.0342	2-55-1-0-1439C-H18								
	Class 2 55	OSC-498	NDE-66	VT-3	CS		0.322 / 8.000		----
		O-ISIN4-144A-2.2							
			Rigid Support						
			Calculation No. OSC-498.						
O2.F1.21.0001	2-03-0-1481A-H11A								
	Class 2 03	0-1490B-4(S)	NDE-66	VT-3	NA		0.500 / 24.000		F01.021.011
Rigid Restraint		O-ISIN4-121B-2.3							
		2-03-05/sht.3							
			Calculation No. OSC-1316-06(Vol.B). Inspect with C03.020.011.						
O2.F1.21.0006	2-14B-0-1479A-H17E								
	Class 2 14B	0-2RB-21410-04	NDE-66	VT-3	NA		0.000 / 8.000		F01.021.024
Rigid Restraint		O-ISIN4-124B-2.2							
			Calculation No. OSC-1325-09.						
O2.F1.21.0012	2-20B-1485A-H5462								
	Class 2 20B	0-2AB-220B01-01	NDE-66	VT-3	NA		0.000 / 48.000		F01.021.031
Rigid Restraint		O-ISIN4-116A-2.1							
			Calculation No. OSC-3637.						
O2.F1.21.0013	2-51-0-A36H-SR17								
	Class 2 51	0-2AB-25101-02	NDE-66	VT-3	NA		0.500 / 2.500		F01.021.041
Rigid Restraint		O-ISIN4-101A-2.2							
			Calculation No. OSC-479. Inspect with C03.020.031.						

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.F1.21.0026	2-51B-436J-DE004								
	Class 2 51B	0-2AB-25108-01	NDE-66	VT-3	NA		0.000 / 2.500		F01.021.054
Rigid Restraint		O-ISIN4-101A-2.2							
			Calculation No. OSC-485.						
O2.F1.21.0027	2-53B-0-435B-DE049								
	Class 2 53B	0-2AB-25301-01	NDE-66	VT-3	NA		0.500 / 14.000		F01.021.061
Rigid Restraint		O-ISIN4-102A-2.2							
			Calculation No. OSC-487. Inspect with C03.020.044.						
O2.F1.21.0035	2-54A-3-0-1439C-DE017								
	Class 2 54A	2-54-03/sht.1	NDE-66	VT-3	NA		0.000 / 8.000		F01.021.072
Rigid Restraint		O-ISIN4-103A-2.1							
			Calculation No. OSC-496.						
O2.F1.21.0074	2-53B-0-1439B-H28								
	Class 2 53B	0-2AB-25302-01	NDE-66	VT-3			0.125 / 10.000		F01.021.
Rigid Restraint		O-ISIN4-102A-2.2							
			Calculation No. OSC-493.						
O2.F1.21.0208	2-14B-50-PEN # 33								
	Class 2 14B	2-14B-50	NDE-66	VT-3	NA		0.750 /8.000		----
		O-ISIN4-124B.2.2							
			Calculation # OSC-1325-06/Page 6(3)43/Problem Number 2-14-14 sht.1 8 Inch Pipe Type I Penetration located on the RB Side of Penetration # 33.						
O2.F1.21.0220	2LP-150-PEN # 15								
	Class 2 53B	2LP-150	NDE-66	VT-3	NA		0.750 /10.000		----
		O-ISIN4-102A-2.2							
			Calculation OSC-1318/Problem 2-53-12/sht.2 10 Inch Pipe Type II Penetration located on the RB Side of Penetration # 15.						

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.F1.21.0229	2-55-1-0-1439C-DE001								
	Class 2 55	OSC-498 O-ISIN4-144A-2.2	NDE-66	VT-3	CS		0.00 / 8.000		----
			Rigid Restraint Calculation No. OSC-498. Rigid restraint on the Aux Bld side of penetration # 54.						
O2.F1.22.0006	2-01A-3-0-1401B-R7								
Hyd Snubber	Class 2 01A	2-01-04/sht.2 O-ISIN4-122A-2.1	NDE-66	VT-3	NA		0.000 / 12.000		F01.022.006
			Calculation No. OSC-443.						
O2.F1.22.0017	2-53B-4-0-435B-H16								
Spring Hgr	Class 2 53B	0-2AB-25301-01 O-ISIN4-102A-2.2	NDE-66	VT-3	NA		0.237 / 14.000		F01.022.051
			Calculation No. OSC-487.						
O2.F1.30.0008	2-03A-1-0-1439A-H30								
Rigid Support	Class 3 03A	2-03A-05/sht.4 O-ISIN4-121D-2.1	NDE-66	VT-3	NA		0.000 / 6.000		F01.030.015
			Calculation No. OSC-447.						
O2.F1.30.0018	2-03A-1401A-GC-0802								
Rigid Support	Class 3 03A	2-03A-06/sht.1 O-ISIN4-121D-2.1	NDE-66	VT-3	NA		0.000 / 6.000		F01.030.025
			Calculation No. OSC-459.						
O2.F1.30.0022	2-03A-1-0-1439C-H6								
Rigid Support	Class 3 03A	2-03A-09/sht.2 O-ISIN4-121D-2.1	NDE-66	VT-3	NA		0.000 / 6.000		F01.030.029
			Calculation No. OSC-450.						

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.F1.30.0026	2-07A-1400A-DE002								
	Class 3 07A	2-07-01/sht.1	NDE-66	VT-3	NA		0.000 / 24.000		F01.030.043
Rigid Support		O-ISIN4-121A-2.7							
			Calculation No. OSC-467.						
O2.F1.30.0028	2-07A-0-1400A-SR7								
	Class 3 07A	2-07-02/sht.2	NDE-66	VT-3	NA		0.000 / 8.000		F01.030.045
Rigid Support		O-ISIN4-121A-2.7							
			Calculation No. OSC-466.						
O2.F1.30.0029	2-07A-1400A-DE022								
	Class 3 07A	2-07-02/sht.3	NDE-66	VT-3	NA		0.000 / 8.000		F01.030.046
Rigid Support		O-ISIN4-121A-2.8							
			Calculation No. OSC-466.						
O2.F1.30.0037	2-14B-0-1439B-RJP-3101								
	Class 3 14B	2-14-06/sht.2	NDE-66	VT-3	NA		0.187 / 8.000		F01.030.074
Rigid Support		O-ISIN4-124B-2.2							
			Calculation No. OSC-475. Inspect with D01.020.063.						
O2.F1.30.0045	2-14B-1439A-H5559								
	Class 3 14B		NDE-66	VT-3	NA		0.000 / 6.000		F01.030.083
Rigid Support		O-ISIN4-124B-2.2							
		2-14-06							
			Calculation No. OSC-475						
O2.F1.30.0046	2-14B-1439A-H5558								
	Class 3 14B		NDE-66	VT-3	NA		0.000 / 6.000		F01.030.084
Rigid Support		O-ISIN4-124B-2.2							
		2-14-06							
			Calculation No. OSC-475						
O2.F1.30.0286	2-03A-1-0-1439A-H19								
	Class 3 03A	2-03A-06/sht.2	NDE-66	VT-3			0.000 / 6.000		F01.030.
Rigid Support		O-ISIN4-121D-2.1							
			Calculation No. OSC-459.						

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.F1.31.0005	2-03A-1-0-1401B-SR5								
	Class 3 03A	2-03A-05/sht.5	NDE-66	VT-3	NA		1.000 / 6.000		F01.031.014
Rigid Restraint		O-ISIN4-121D-2.1							
			Calculation No. OSC-447. Inspect with D01.020.017.						
O2.F1.31.0011	2-03A-1-0-437B-H2								
	Class 3 03A	2-03A-09/sht.3	NDE-66	VT-3	NA		0.500 / 6.000		F01.031.020
Rigid Restraint		O-ISIN4-121D-2.1							
			Calculation No. OSC-450. Inspect with D01.020.020.						
O2.F1.31.0019	0-14-447B-H7027								
	Class 3 14	4-14-02/sht.1	NDE-66	VT-3	NA		0.000 / 6.000		F01.031.061
Rigid Restraint		O-ISIN4-133A-2.5							
			Calculation No. OSC-1224-26.						
O2.F1.31.0020	2-14B-1439C-H5184								
	Class 3 14B	0-2AB-203A14-02	NDE-66	VT-3	NA		0.000 / 6.000		F01.031.062
Rigid Restraint		O-ISIN4-121D-1.2							
			Calculation No. OSC-394.						
O2.F1.31.0024	2-14B-1400A-JEJ-2002								
	Class 3 14B	4-14-04/sht.2	NDE-66	VT-3	NA		0.000 / 18.000		F01.031.066
Rigid Restraint		O-ISIN4-124B-2.1							
			Calculation No. OSC-474.						
O2.F1.31.0026	0-14C-447A-H7039								
	Class 3 14C	4-14-12/sht.1	NDE-66	VT-3	NA		1.000 / 6.000		F01.031.068
Rigid Restraint		O-ISIN4-133A-2.5							
			Calculation No. OSC-1224-26. Inspect with D01.020.069.						
O2.F1.32.0005	2-03A-1-0-437B-H1								
	Class 3 03A	2-03A-09/sht.3	NDE-66	VT-3	NA		0.125 / 6.000		F01.032.013
Spring Hgr		O-ISIN4-121D-2.1							
			Calculation No. OSC-450. Inspect with D01.020.019.						

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.F1.32.0009	2-07A-1400A-JLM-2102								
	Class 3 07A	2-07-01/sht.1	NDE-66	VT-3	NA		0.000 / 24.000		F01.032.022
Spring Hgr		O-ISIN4-121A-2.7							
			Calculation No. OSC-467.						
O2.F1.32.0016	2-57-0-1481A-H7								
	Class 3 57	0-2RB-25701-01	NDE-66	VT-3	NA		0.000 / 8.000		F01.032.063
Hyd Snubber		O-ISIN4-100A-2.2							
			Calculation No. OSC-1332-06.						
O2.F1.40.0002	2-SGB-SKIRT								
	Class 1 50	OM-201.S-0001	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.002
		O-ISIN4-100A-2.1							
		OM-201.S--033.001							
			Steam Generator 2B Support Skirt (Stool) to Lower Head.						
O2.F1.40.0014	2-RBCC-A								
	Class 3 14B	OM-201-85	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.014
		O-ISIN4-124B-2.1							
		O-437C							
			Reactor Building Component Cooler 2A Support. Drawing O-437C was added to show the stacking arrangement of Coolers.						
O2.F1.40.0021	2-HPI-PU-A								
	Class 2 51A	OM-201-1704	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.021
		O-ISIN4-101A-2.3							
			High Pressure Injection Pump 2A.						

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	O-ISIN4-100A-2.1 OM-1201-3213	PDI-UT-8	UT	SS-CS		/ 10.000	DE-13-AX-01 DE-13-CIRC-01	----
Terminal End Dissimilar Stress Weld		ISI-OCN2-002							
			Weld Overlay Pressurizer Surge. Nozzle Pc. 8. 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. Thickness can't be determined using drawing listed so a field measurement is required.						
O2.Q1.1.0004	2-PZR-WP91-1-WOL Class 1 50	O-ISIN4-100A-2.1 OM-1201-3211	PDI-UT-8	UT	SS-CS		/ 2.500	DE-6-AX-01 DE-6-CIRC-01	----
Terminal End Dissimilar		ISI-OCN2-002							
			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. Thickness can't be determined using drawing listed so a field measurement is required.						
O2.Q1.1.0008	2-51A-35-136V Class 1 50	ISI-OCN2-009 2-51A-35 (01)	PDI-UT-8	UT	CS-Inconel		/ 3.500	SI-4-AX-02 SI-4-CIRC-02	----
Dissimilar Stress Weld		O-ISIN4-100A-2.1							
			Weld Overlay During 2EOC-24, weld overlay 2-51A-35-136V was applied and covers weld 2-PIB1-11 and 2-51A-35-15A. The overlay will be examined per Appendix Q. This weld is shown on iso 2-51A-35 (01) Rev. 32. This weld is listed in the ISI data base on weld iso ISI-OCN2-009 to help show it's location on the RCP 2B1 suction piping. Inspection in outage 5 (EOC-25) does not count in the percentages for Appendix Q. Weld overlay covers CS to Inconel and Inconel to SS. Thickness can't be determined using drawings listed so a field measurement is required.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2

End of Report

STATISTICS ONLY Class 1 134 Class 2 93 Class 3 44 Total by Class 271 Systems 271 Total Count 271

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 25 (Outage 5) 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 25 (Outage 5) 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.B3.110.0004	See PIP O-11-15240 for corrective action on this limitation
O2.B9.11.0047	See PIP O-11-15240 for corrective action on this limitation
O2.B9.11.0052	See PIP O-11-15240 for corrective action on this limitation
O2.B9.11.0065	See PIP O-11-15240 for corrective action on this limitation
O2.B9.11.0162	See PIP O-11-15240 for corrective action on this limitation
O2.C5.11.0012	See PIP O-11-15240 for corrective action on this limitation
O2.C5.11.0018	See PIP O-11-15240 for corrective action on this limitation
O2.C5.11.0047	See PIP O-11-15240 for corrective action on this limitation
O2.C5.11.0048	See PIP O-11-15240 for corrective action on this limitation
O2.C5.11.0081	See PIP O-11-15240 for corrective action on this limitation
O2.C5.11.0082	See PIP O-11-15240 for corrective action on this limitation
O2.C5.11.0083	See PIP O-11-15240 for corrective action on this limitation
O2.C5.21.0042	See PIP O-11-15240 for corrective action on this limitation

Welds WJ-33, WJ-36, 2-51A-0029-96, 2-51A-0029-97, 2-51A-0029-99 and 2-51A-0029-100 are Class 1 and 2 welds that had PSI exams performed on them during 2EOC-25 and had limited coverage (less than 90%). See PIP O-11-15240 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 5 (EOC-25)

Examination results for 2EOC25

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B10.10.0012	2-SGB-W15	50	11/08/11	CLR	N	N	N	UT-11-888 (Page 1)
		50	11/08/11	CLR	N	N	N	UT-11-888 (Page 2)
		50	11/08/11	CLR	N	N	N	UT-11-889
O2.B10.20.0003	2-51A-0-1479A-H16A	51A	11/04/11	CLR	N	N	N	PT-11-370
O2.B10.20.0005	2-51A-0-1478A-H1C	51A	11/03/11	CLR	N	N	N	PT-11-363
O2.B10.20.0006	2-53-0-1478A-H4	53	11/09/11	CLR	N	N	N	PT-11-373
O2.B15.210.0001	2RC-278-66	50	10/23/11	CLR	N	N	N	VT-11-878
O2.B15.210.0002	2RC-278-70V	50	10/23/11	CLR	N	N	N	VT-11-847
O2.B15.210.0003	2RC-277-50	50	10/22/11	CLR	N	N	N	VT-11-866
O2.B15.210.0004	2RC-277-71V	50	10/22/11	CLR	N	N	N	VT-11-870
O2.B15.210.0005	2RC-278-23	50	10/23/11	CLR	N	N	N	VT-11-848
O2.B15.210.0006	2RC-278-69	50	10/23/11	CLR	N	N	N	VT-11-849

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B15.210.0007	2RC-277-24	50	10/22/11	CLR	N	N	N	VT-11-871
O2.B15.210.0008	2RC-277-70	50	10/22/11	CLR	N	N	N	VT-11-872
O2.B15.210.0009	2-PHA-13	50	10/23/11	CLR	N	N	N	VT-11-850
O2.B15.210.0010	2-PHA-14	50	10/23/11	CLR	N	N	N	VT-11-851
O2.B15.210.0011	2-PHA-15	50	10/23/11	CLR	N	N	N	VT-11-852
O2.B15.210.0012	2-PHB-13	50	10/22/11	CLR	N	N	N	VT-11-867
O2.B15.210.0013	2-PHB-14	50	10/22/11	CLR	N	N	N	VT-11-873
O2.B15.210.0014	2-PHB-15	50	10/22/11	CLR	N	N	N	VT-11-868
O2.B15.210.0015	2SGA-HL-CON-36	50	10/23/11	CLR	N	N	N	VT-11-853
O2.B15.210.0016	2SGB-HL-CON-27	50	10/22/11	CLR	N	N	N	VT-11-875
O2.B15.215.0005	2-PIA1-7	50	10/23/11	CLR	N	N	N	VT-11-854
O2.B15.215.0006	2-PIA2-7	50	10/23/11	CLR	N	N	N	VT-11-855
O2.B15.215.0009	2-PDA1-2	50	10/23/11	CLR	N	N	N	VT-11-856
O2.B15.215.0010	2-PDA2-2	50	10/23/11	CLR	N	N	N	VT-11-876

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B15.215.0014	2RC-279-19AA	50	10/22/11	CLR	N	N	N	VT-11-874
O2.B15.215.0015	2RC-279-20	50	10/22/11	CLR	N	N	N	VT-11-869
O2.B15.215.0016	2-PIA1-11	50	10/23/11	CLR	N	N	N	VT-11-857
O2.B15.215.0017	2-50-7-29	50	10/23/11	CLR	N	N	N	VT-11-858
O2.B15.215.0018	2-PIA2-11	50	10/23/11	CLR	N	N	N	VT-11-859
O2.B15.215.0019	2-50-7-14	50	10/23/11	CLR	N	N	N	VT-11-860
O2.B15.215.0024	2-PIA1-12	50	10/23/11	CLR	N	N	N	VT-11-861
O2.B3.110.0004	2-PZR-WP33-2	50	10/27/11	CLR	Y	N	Y	UT-11-863 (Page 1) Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	10/27/11	CLR	Y	N	Y	UT-11-863 (Page 2) Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	10/27/11	CLR	Y	N	Y	UT-11-863 (Page 3) Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	10/27/11	CLR	Y	N	Y	UT-11-863 (Page 4) Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	10/27/11	CLR	Y	N	Y	UT-11-864 Percentage of coverage <90%. Reference PIP 0-11-15240.
O2.B3.120.0009	2-PZR-WP26-1	50	11/03/11	CLR	N	N	N	UT-11-865 (Page 1)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B3.120.0009	2-PZR-WP26-1	50	11/03/11	CLR	N	N	N	UT-11-865 (Page 2)
		50	11/03/11	CLR	N	N	N	UT-11-865 (Page 3)
O2.B3.120.0011	2-PZR-WP26-3	50	11/03/11	CLR	N	N	N	UT-11-866 (Page 1)
		50	11/03/11	CLR	N	N	N	UT-11-866 (Page 2)
		50	11/03/11	CLR	N	N	N	UT-11-866 (Page 3)
O2.B4.30.0001	2-RPV-HEAD-PEN	50	11/03/11	REC	Y	N	N	VT-11-904 OK per Engineer Evaluation. Reference PIP O-11-13204. No percentage of coverage required. No Request for Relief required.
O2.B6.10.0041	2-RPV-26-204-41	50	11/01/11	CLR	N	N	N	VT-11-893
O2.B6.10.0042	2-RPV-26-204-42	50	11/01/11	CLR	N	N	N	VT-11-894
O2.B6.10.0043	2-RPV-26-204-43	50	11/01/11	CLR	N	N	N	VT-11-895
O2.B6.10.0044	2-RPV-26-204-44	50	11/01/11	CLR	N	N	N	VT-11-896
O2.B6.10.0045	2-RPV-26-204-45	50	11/01/11	CLR	N	N	N	VT-11-897
O2.B6.10.0046	2-RPV-26-204-46	50	11/01/11	CLR	N	N	N	VT-11-898
O2.B6.10.0047	2-RPV-26-204-47	50	11/01/11	CLR	N	N	N	VT-11-899
O2.B6.10.0048	2-RPV-26-204-63	50	11/01/11	CLR	N	N	N	VT-11-900

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B6.10.0049	2-RPV-26-204-65	50	11/02/11	CLR	N	N	N	VT-11-905
O2.B6.10.0050	2-RPV-26-204-50	50	11/02/11	CLR	N	N	N	VT-11-906
O2.B6.10.0051	2-RPV-26-204-51	50	11/02/11	CLR	N	N	N	VT-11-907
O2.B6.10.0052	2-RPV-26-204-52	50	11/02/11	CLR	N	N	N	VT-11-908
O2.B6.10.0053	2-RPV-26-204-53	50	11/02/11	CLR	N	N	N	VT-11-909
O2.B6.10.0054	2-RPV-26-204-54	50	11/02/11	CLR	N	N	N	VT-11-910
O2.B6.10.0055	2-RPV-26-204-55	50	11/02/11	CLR	N	N	N	VT-11-911
O2.B6.10.0056	2-RPV-26-204-56	50	11/02/11	CLR	N	N	N	VT-11-912
O2.B6.10.0057	2-RPV-26-204-57	50	11/02/11	CLR	N	N	N	VT-11-913
O2.B6.10.0058	2-RPV-26-204-58	50	11/02/11	CLR	N	N	N	VT-11-914
O2.B6.10.0059	2-RPV-26-204-59	50	11/02/11	CLR	N	N	N	VT-11-915
O2.B6.10.0060	2-RPV-26-204-60	50	11/02/11	CLR	N	N	N	VT-11-916
O2.B6.200.0001	2-RCP-2A1-NUTS	50	10/25/11	CLR	N	N	N	VT-11-883
O2.B6.30.0041	2-RPV-25-204-41	50	11/01/11	CLR	N	N	N	UT-11-822

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B6.30.0042	2-RPV-25-204-42	50	11/01/11	CLR	N	N	N	UT-11-823
O2.B6.30.0043	2-RPV-25-204-43	50	11/01/11	CLR	N	N	N	UT-11-824
O2.B6.30.0044	2-RPV-25-204-44	50	11/01/11	CLR	N	N	N	UT-11-825
O2.B6.30.0045	2-RPV-25-204-45	50	11/01/11	CLR	N	N	N	UT-11-826
O2.B6.30.0046	2-RPV-25-204-46	50	11/01/11	CLR	N	N	N	UT-11-827
O2.B6.30.0047	2-RPV-25-204-47	50	11/01/11	CLR	N	N	N	UT-11-828
O2.B6.30.0048	2-RPV-25-204-48	50	11/01/11	CLR	N	N	N	UT-11-829
O2.B6.30.0049	2-RPV-25-204-49	50	11/01/11	CLR	N	N	N	UT-11-830
O2.B6.30.0050	2-RPV-25-204-50	50	11/01/11	CLR	N	N	N	UT-11-831
O2.B6.30.0051	2-RPV-25-204-51	50	11/01/11	CLR	N	N	N	UT-11-832
O2.B6.30.0052	2-RPV-25-204-52	50	11/01/11	CLR	N	N	N	UT-11-833
O2.B6.30.0053	2-RPV-25-204-53	50	11/01/11	CLR	N	N	N	UT-11-834
O2.B6.30.0054	2-RPV-25-204-54	50	11/01/11	CLR	N	N	N	UT-11-835
O2.B6.30.0055	2-RPV-25-204-55	50	11/01/11	CLR	N	N	N	UT-11-836

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B6.30.0056	2-RPV-25-204-56	50	11/01/11	CLR	N	N	N	UT-11-837
O2.B6.30.0057	2-RPV-25-204-57	50	11/01/11	CLR	N	N	N	UT-11-838
O2.B6.30.0058	2-RPV-25-204-58	50	11/01/11	CLR	N	N	N	UT-11-839
O2.B6.30.0059	2-RPV-25-204-59	50	11/01/11	CLR	N	N	N	UT-11-840
O2.B6.30.0060	2-RPV-25-204-60	50	11/01/11	CLR	N	N	N	UT-11-841
O2.B6.50.0003	2-RPV-WASH-BUSH	50	11/01/11	CLR	N	N	N	VT-11-917
O2.B7.50.0002	2-PZR-RC66-STUDS	50	10/24/11	CLR	N	N	N	VT-11-879
O2.B7.70.0007	2-53A-LP177-STUDS	53A	11/02/11	CLR	N	N	N	VT-11-892
O2.B9.11.0047	2-PDA1-1	50	10/26/11	CLR	Y	N	Y	UT-11-812 (Page 1) Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	10/26/11	CLR	Y	N	Y	UT-11-812 (Page 2) Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	10/26/11	CLR	Y	N	Y	UT-11-813 (Page 1) Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	10/26/11	CLR	Y	N	Y	UT-11-813 (Page 2) Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	10/26/11	CLR	Y	N	Y	UT-11-813 (Page 3) Percentage of coverage <90%. Reference PIP 0-11-15240.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B9.11.0047	2-PDA1-1	50	10/26/11	CLR	N	N	N	UT-11-813 (Page 4)
O2.B9.11.0052	2-PIA2-8	50	11/06/11	CLR	Y	N	Y	UT-11-871 (Page 1)
								Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	11/06/11	CLR	Y	N	Y	UT-11-871 (Page 2)
								Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	11/06/11	CLR	Y	N	Y	UT-11-871 (Page 3)
								Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	11/06/11	CLR	N	N	N	UT-11-871 (Page 4)
		50	11/06/11	CLR	Y	N	Y	UT-11-877 (Page 1)
								Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	11/06/11	CLR	Y	N	Y	UT-11-877 (Page 2)
								Percentage of coverage <90%. Reference PIP 0-11-15240.
O2.B9.11.0065	2HP-215-3	51A	10/30/11	CLR	Y	N	Y	UT-11-815 (Page 1)
								Percentage of coverage <90%. Reference PIP 0-11-15240.
		51A	10/30/11	CLR	Y	N	Y	UT-11-815 (Page 2)
								Percentage of coverage <90%. Reference PIP 0-11-15240.
		51A	10/30/11	CLR	Y	N	Y	UT-11-815 (Page 3)
								Percentage of coverage <90%. Reference PIP 0-11-15240.
O2.B9.11.0070	2LP-189-5	53A	11/02/11	CLR	N	N	N	UT-11-850

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B9.11.0091	2-53A-8-31	53A	11/02/11	CLR	N	N	N	UT-11-851 (Page 1)
		53A	11/02/11	CLR	N	N	N	UT-11-851 (Page 2)
O2.B9.11.0137	2-53A-10-7	53A	11/02/11	CLR	N	Y	N	UT-11-862 (Page 1) Geometry seen 360 degrees intermittent. Verified with profile and higher angle.
		53A	11/02/11	CLR	N	N	N	UT-11-862 (Page 2)
O2.B9.11.0145	2-53A-8-45	53A	11/01/11	CLR	N	N	N	UT-11-842 (Page 1)
		53A	11/01/11	CLR	N	N	N	UT-11-842 (Page 2)
O2.B9.11.0146	2-53A-8-46	53A	11/01/11	CLR	N	N	N	UT-11-843 (Page 1)
		53A	11/01/11	CLR	N	N	N	UT-11-843 (Page 2)
O2.B9.11.0162	2-53A-8-61	53A	11/02/11	CLR	Y	Y	Y	UT-11-861 (Page 1) Percentage of coverage <90%. Reference PIP 0-11-15240. Geometry seen 360 degrees intermittent.
		53A	11/02/11	CLR	Y	N	Y	UT-11-861 (Page 2) Percentage of coverage <90%. Reference PIP 0-11-15240.
		53A	11/02/11	CLR	N	N	N	UT-11-861 (Page 3)
O2.B9.21.0008	2-PIA1-11	50	10/28/11	CLR	N	N	N	PT-11-356
O2.B9.21.0009	2-PIA2-11	50	10/27/11	CLR	N	N	N	PT-11-352

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B9.21.0011	2-PIB2-11	50	11/06/11	CLR	N	N	N	PT-11-371
O2.B9.21.0031	2HP-217-12	51A	10/26/11	CLR	N	N	N	PT-11-349
O2.B9.21.0032	2HP-218-22	51A	10/26/11	CLR	N	N	N	PT-11-350
O2.B9.21.0041	2RC-204-4	51A	10/28/11	CLR	N	N	N	PT-11-357
O2.B9.21.0045	2HP-496-2	51A	11/06/11	CLR	N	N	N	PT-11-375
O2.B9.21.0051	2-51A-30-36	51A	10/28/11	CLR	N	N	N	PT-11-358
O2.B9.21.0056	2-51A-35-40	51A	10/28/11	CLR	N	N	N	PT-11-353
O2.B9.21.0061	2HP-214-5	51A	10/31/11	CLR	N	N	N	PT-11-361
O2.B9.21.0064	2HP-215-20	51A	10/28/11	CLR	N	N	N	PT-11-359
O2.B9.21.0065	2HP-215-5	51A	10/28/11	CLR	N	N	N	PT-11-360
O2.B9.21.0069	2HP-218-6	51A	10/26/11	CLR	N	N	N	PT-11-351
O2.B9.21.0132	2-51A-35-126	51A	10/28/11	CLR	N	N	N	PT-11-354
O2.B9.40.0003	2RC-271-25	50	10/28/11	CLR	N	N	N	PT-11-355
O2.B9.40.0009	2-50-7-81	50	10/31/11	CLR	N	N	N	PT-11-362

Examination results for 2EOC25

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C2.21.0001	2-SGA-W127	01A	11/04/11	CLR	N	N	N	MT-11-117
		01A	11/05/11	CLR	N	N	N	UT-11-869
		01A	11/05/11	CLR	N	N	N	UT-11-870 (Page 1)
		01A	11/05/11	CLR	N	N	N	UT-11-870 (Page 2)
O2.C3.20.0002	2-01A-0-1441-H14	01A	11/09/11	CLR	N	N	N	MT-11-125
O2.C3.20.0005	2-03-0-1481A-H11A	03	11/07/11	CLR	N	N	N	MT-11-122
O2.C3.20.0013	2-51-0-A36H-SR17	51	11/09/11	CLR	N	N	N	PT-11-374
O2.C3.20.0019	2-51A-436E-FAC-2802	51A	08/22/11	CLR	N	N	N	PT-11-345
O2.C3.20.0023	2-53B-0-435B-DE049	53B	08/25/11	CLR	N	N	N	PT-11-348
O2.C3.20.0025	2-53B-2-0-436E-H3	53B	08/22/11	CLR	N	N	N	PT-11-344
O2.C3.20.0027	2-53B-2-0-436E-H9	53B	08/23/11	CLR	N	N	N	PT-11-347
O2.C3.20.0028	2-53B-0-1439B-H30	53B	08/18/11	CLR	N	N	N	PT-11-343
O2.C3.20.0192	2-14B-50-PEN # 33	14B	11/04/11	CLR	N	N	N	PT-11-369
O2.C3.20.0202	2LP-150-PEN #15	53B	11/02/11	CLR	Y	N	N	PT-11-365
								Percent of coverage > 90%.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C3.20.0211	2-55-1-0-1439C-H18	55	08/17/11	CLR	N	N	N	MT-11-116
O2.C3.30.0001	2-HPI-PU-A	51A	08/22/11	CLR	N	N	N	PT-11-346
O2.C5.11.0011	2LP-150-69	53A	08/16/11	CLR	N	N	N	UT-11-793 (Page 1)
		53A	08/16/11	CLR	N	Y	N	UT-11-793 (Page 2) 360 degrees intermittent Geometric Indication.
O2.C5.11.0012	2LP-150-70	53A	08/16/11	CLR	Y	N	Y	UT-11-792 (Page 1) Percent of coverage <90%. Reference PIP O-11-15240.
		53A	08/16/11	CLR	Y	N	Y	UT-11-792 (Page 2) Percent of coverage <90%. Reference PIP O-11-15240.
		53A	08/16/11	CLR	Y	N	Y	UT-11-792 (Page 3) Percent of coverage <90%. Reference PIP O-11-15240.
O2.C5.11.0018	2LP-189-15	53A	10/30/11	CLR	Y	N	Y	UT-11-818 (Page 1) Percent of coverage <90%. Reference PIP O-11-15240.
		53A	10/30/11	CLR	Y	N	Y	UT-11-818 (Page 2) Percent of coverage <90%. Reference PIP O-11-15240.
		53A	10/30/11	CLR	Y	N	Y	UT-11-818 (Page 3) Percent of coverage <90%. Reference PIP O-11-15240.
O2.C5.11.0019	2LP-217-21	53A	11/06/11	CLR	N	N	N	UT-11-872 (Page 1)
		53A	11/06/11	CLR	N	N	N	UT-11-872 (Page 2)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.11.0020	2LP-217-22	53A	11/06/11	CLR	N	N	N	UT-11-873 (Page 1)
		53A	11/06/11	CLR	N	N	N	UT-11-873 (Page 2)
O2.C5.11.0047	2LP-216-17	53A	10/31/11	CLR	Y	N	Y	UT-11-853 (Page 1) Percent of coverage <90%. Reference PIP O-11-15240.
		53A	10/31/11	CLR	Y	N	Y	UT-11-853 (Page 2) Percent of coverage <90%. Reference PIP O-11-15240.
		53A	10/31/11	CLR	Y	N	Y	UT-11-853 (Page 3) Percent of coverage <90%. Reference PIP O-11-15240.
O2.C5.11.0048	2LP-216-18	53A	10/31/11	CLR	Y	N	Y	UT-11-854 (Page 1) Percent of coverage <90%. Reference PIP O-11-15240.
		53A	10/31/11	CLR	Y	N	Y	UT-11-854 (Page 2) Percent of coverage <90%. Reference PIP O-11-15240.
		53A	10/31/11	CLR	Y	N	Y	UT-11-854 (Page 3) Percent of coverage <90%. Reference PIP O-11-15240.
O2.C5.11.0049	2LP-216-2	53A	10/31/11	CLR	N	N	N	UT-11-819 (Page 1)
		53A	10/31/11	CLR	N	N	N	UT-11-819 (Page 2)
O2.C5.11.0050	2LP-216-20	53A	10/31/11	CLR	N	N	N	UT-11-857 (Page 1)
		53A	10/31/11	CLR	N	Y	N	UT-11-857 (Page 2) Root geometry seen at 360 degrees intermittently at varying amplitudes. Confirmed with 70 degree angle.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.11.0051	2LP-216-21	53A	10/31/11	CLR	N	N	N	UT-11-858 (Page 1)
		53A	10/31/11	CLR	N	N	N	UT-11-858 (Page 2)
O2.C5.11.0052	2LP-216-22	53A	10/31/11	CLR	N	N	N	UT-11-859 (Page 1)
		53A	10/31/11	CLR	N	N	N	UT-11-859 (Page 2)
O2.C5.11.0053	2LP-216-23	53A	10/31/11	CLR	N	N	N	UT-11-860 (Page 1)
		53A	10/31/11	CLR	N	N	N	UT-11-860 (Page 2)
O2.C5.11.0054	2LP-216-24	53A	11/09/11	CLR	N	N	N	UT-11-890 (Page 1)
		53A	11/09/11	CLR	N	N	N	UT-11-890 (Page 2)
O2.C5.11.0055	2LP-216-25	53A	11/09/11	CLR	N	N	N	UT-11-891 (Page 1)
		53A	11/09/11	CLR	N	N	N	UT-11-891 (Page 2)
O2.C5.11.0056	2LP-216-6	53A	10/31/11	CLR	N	N	N	UT-11-820 (Page 1)
		53A	10/31/11	CLR	N	N	N	UT-11-820 (Page 2)
O2.C5.11.0057	2LP-216-7	53A	10/31/11	CLR	N	N	N	UT-11-821 (Page 1)
		53A	10/31/11	CLR	N	N	N	UT-11-821 (Page 2)
O2.C5.11.0058	2LP-216-8	53A	10/31/11	CLR	N	N	N	UT-11-855
O2.C5.11.0059	2LP-216-9	53A	10/31/11	CLR	N	N	N	UT-11-856

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.11.0064	2LP-217-20	53A	11/06/11	CLR	N	N	N	UT-11-874 (Page 1)
		53A	11/06/11	CLR	N	N	N	UT-11-874 (Page 2)
O2.C5.11.0068	2LP-218-4	53A	11/02/11	CLR	N	N	N	UT-11-848 (Page 1)
		53A	11/02/11	CLR	N	N	N	UT-11-848 (Page 2)
O2.C5.11.0069	2LP-218-5	53A	11/02/11	CLR	N	N	N	UT-11-852 (Page 1)
		53A	11/02/11	CLR	N	N	N	UT-11-852 (Page 2)
O2.C5.11.0081	2LPS-723-1	14B	08/16/11	CLR	Y	N	Y	UT-11-803 (Page 1)
								Percent of coverage <90%. Reference PIP O-11-15240.
		14B	08/16/11	CLR	Y	N	Y	UT-11-803 (Page 2)
								Percent of coverage <90%. Reference PIP O-11-15240.
		14B	08/16/11	CLR	Y	N	Y	UT-11-803 (Page 3)
								Percent of coverage <90%. Reference PIP O-11-15240.
O2.C5.11.0082	2LPS-723-2	14B	08/16/11	CLR	Y	N	Y	UT-11-802 (Page 1)
								Percent of coverage <90%. Reference PIP O-11-15240.
		14B	08/16/11	CLR	Y	N	Y	UT-11-802 (Page 2)
								Percent of coverage <90%. Reference PIP O-11-15240.
		14B	08/16/11	CLR	Y	N	Y	UT-11-802 (Page 3)
								Percent of coverage <90%. Reference PIP O-11-15240.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.11.0083	2LPS-723-3	14B	08/16/11	CLR	Y	N	Y	UT-11-804 (Page 1)
								Percent of coverage <90%. Reference PIP O-11-15240.
		14B	08/16/11	CLR	Y	N	Y	UT-11-804 (Page 2)
								Percent of coverage <90%. Reference PIP O-11-15240.
		14B	08/16/11	CLR	Y	N	Y	UT-11-804 (Page 3)
								Percent of coverage <90%. Reference PIP O-11-15240.
O2.C5.21.0007	2HP-219-3	51A	08/24/11	CLR	N	N	N	UT-11-806 (Page 1)
		51A	08/24/11	CLR	N	N	N	UT-11-806 (Page 2)
O2.C5.21.0008	2HP-219-12	51A	08/24/11	CLR	N	N	N	UT-11-807 (Page 1)
		51A	08/24/11	CLR	N	N	N	UT-11-807 (Page 2)
O2.C5.21.0009	2-51A-133-3	51A	08/25/11	CLR	N	N	N	UT-11-809 (Page 1)
		51A	08/25/11	CLR	N	N	N	UT-11-809 (Page 2)
O2.C5.21.0010	2-51A-17-49	51A	08/25/11	CLR	Y	N	N	UT-11-810 (Page 1)
								Percent of coverage >90%.
		51A	08/25/11	CLR	Y	N	N	UT-11-810 (Page 2)
								Percent of coverage >90%.
		51A	08/25/11	CLR	Y	N	N	UT-11-810 (Page 3)
								Percent of coverage >90%.
O2.C5.21.0037	2-51A-29-1	51A	08/23/11	CLR	N	N	N	UT-11-805 (Page 1)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.21.0037	2-51A-29-1	51A	08/23/11	CLR	N	N	N	UT-11-805 (Page 2)
O2.C5.21.0038	2HP-396-2	51A	08/23/11	CLR	N	N	N	UT-11-808 (Page 1)
		51A	08/23/11	CLR	N	N	N	UT-11-808 (Page 2)
O2.C5.21.0039	2-51A-31-59	51A	08/17/11	CLR	N	N	N	UT-11-794 (Page 1)
		51A	08/17/11	CLR	N	N	N	UT-11-794 (Page 2)
O2.C5.21.0040	2-51A-31-5	51A	08/17/11	CLR	N	N	N	UT-11-795 (Page 1)
		51A	08/17/11	CLR	N	N	N	UT-11-795 (Page 2)
		51A	08/17/11	CLR	N	N	N	UT-11-795 (Page 3)
O2.C5.21.0041	2HP-338-52	51A	10/30/11	CLR	N	N	N	UT-11-816 (Page 1)
		51A	10/30/11	CLR	N	N	N	UT-11-816 (Page 2)
O2.C5.21.0042	2-51A-17-20A	51A	08/25/11	CLR	Y	N	Y	UT-11-811 (Page 1) Percent of coverage <90%. Reference PIP O-11-15240.
		51A	08/25/11	CLR	Y	N	Y	UT-11-811 (Page 2) Percent of coverage <90%. Reference PIP O-11-15240.
		51A	08/25/11	CLR	Y	N	Y	UT-11-811 (Page 3) Percent of coverage <90%. Reference PIP O-11-15240.
		51A	08/25/11	CLR	N	N	N	UT-11-811 (Page 4)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.21.0050	2HP-338-51	51A	10/30/11	CLR	N	N	N	UT-11-817 (Page 1)
		51A	10/30/11	CLR	N	N	N	UT-11-817 (Page 2)
		51A	10/30/11	CLR	N	N	N	UT-11-817 (Page 3)
O2.C5.51.0012	2MS-146-4	01A	11/08/11	CLR	N	N	N	UT-11-892 (Page 1)
		01A	11/08/11	CLR	N	N	N	UT-11-892 (Page 2)
O2.C5.51.0017	2-03A-67-11	03A	08/18/11	CLR	N	N	N	UT-11-800
O2.C5.51.0024	2SGB-W236	03	11/07/11	CLR	N	N	N	UT-11-886 (Page 1)
		03	11/07/11	CLR	N	Y	N	UT-11-886 (Page 2) Geometry 360 degrees intermittently.
O2.C5.51.0043	2LPS-597-17	14B	08/17/11	CLR	N	N	N	UT-11-796
O2.C5.51.0044	2LPS-597-3AB	14B	08/17/11	CLR	N	N	N	UT-11-797
O2.C5.51.0045	2LPS-600-1	14B	08/17/11	CLR	N	N	N	UT-11-798
O2.C5.51.0046	2LPS-600-86	14B	08/17/11	CLR	N	N	N	UT-11-799
O2.C5.51.0047	2LPS-600-87	14B	08/17/11	CLR	N	N	N	UT-11-801 (Page 1)
		14B	08/17/11	CLR	N	N	N	UT-11-801 (Page 2)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.51.0484	2-03A-11-49	03A	11/07/11	CLR	Y	N	N	UT-11-887 (Page 1) Percent coverage >90%.
		03A	11/07/11	CLR	Y	Y	N	UT-11-887 (Page 2) Percent coverage > 90%. Root geometry seen at 360 degrees intermittently at varying amplitudes. Confirmed with 70 degree angle.
		03A	11/07/11	CLR	Y	N	N	UT-11-887 (Page 3) Percent coverage >90%.
		03A	11/07/11	CLR	N	N	N	UT-11-887 (Page 4)
O2.D1.10.0001	2-RBCC-A	14B	07/13/11	CLR	N	N	N	VT-11-806
O2.D1.20.0011	2-03A-1-0-1401B-SR5	03A	10/06/11	CLR	N	N	N	VT-11-836
O2.D1.20.0013	2-03A-1-0-437B-H1	03A	09/08/11	CLR	N	N	N	VT-11-814
O2.D1.20.0014	2-03A-1-0-437B-H2	03A	09/08/11	CLR	N	N	N	VT-11-815
O2.D1.20.0020	2-14B-0-1439B-RJP-3101	14B	09/14/11	CLR	N	N	N	VT-11-818
O2.D1.20.0026	0-14C-447A-H7039	14C	10/19/11	CLR	N	N	N	VT-11-844
O2.F1.10.0002	2-51A-0-1479A-H16A	51A	10/23/11	CLR	N	N	N	VT-11-864
O2.F1.10.0007	2-53A-0-1478A-H2A	53A	11/01/11	CLR	N	N	N	VT-11-919

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.11.0002	2-51A-0-1478A-H1C	51A	11/09/11	REC	N	N	N	VT-11-924 Civil Engineering has found this support to be acceptable for service based on Engineering evaluation. Discrepancies were not service induced.
O2.F1.11.0005	2-53-0-1478A-H4	53	11/04/11	CLR	N	N	N	VT-11-920
O2.F1.12.0001	2-50-0-1480A-H11	50	10/23/11	CLR	N	N	N	VT-11-877
O2.F1.12.0006	2-51A-0-1478A-H2C	51A	11/11/11	CLR	N	N	N	VT-11-927
O2.F1.20.0001	2-01A-0-1441-H14	01A	11/06/11	CLR	N	N	N	VT-11-921
O2.F1.20.0006	2-03-0-1480A-H10A	03	10/24/11	CLR	N	N	N	VT-11-882
O2.F1.20.0007	2-03A-1-0-1439A-R61	03A	09/20/11	CLR	N	N	N	VT-11-833
O2.F1.20.0015	2-51A-436E-FAC-2802	51A	08/23/11	CLR	N	N	N	VT-11-808
O2.F1.20.0019	2-51A-6-0-435B-SR59	51A	09/14/11	CLR	N	N	N	VT-11-823
O2.F1.20.0020	2-51A-3-0-1439A-SR160	51A	09/14/11	CLR	N	N	N	VT-11-820
O2.F1.20.0028	2-51A-2-0-1439C-H16	51A	09/15/11	REC	N	N	N	VT-11-834 Civil Engineering has found this support to be acceptable for service based on Engineering evaluation. Discrepancies were not service induced.
O2.F1.20.0034	2-53B-2-0-436E-H9	53B	08/23/11	CLR	N	N	N	VT-11-810
O2.F1.20.0036	2-53B-2-0-436E-H3	53B	08/23/11	CLR	N	N	N	VT-11-809

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.20.0047	2-53B-0-1439B-H30	53B	09/14/11	CLR	N	N	N	VT-11-821
O2.F1.20.0053	2-54A-3-0-1439B-R42	54A	09/20/11	CLR	N	N	N	VT-11-829
O2.F1.20.0057	2-56-2-0-438C-SR15	56	10/24/11	REC	N	N	N	VT-11-888 Civil Engineering has found this support to be acceptable for service based on Engineering evaluation. Discrepancies were not service induced.
O2.F1.20.0223	2-14B-0-1480A-H22F	14B	10/25/11	CLR	N	N	N	VT-11-884
O2.F1.20.0342	2-55-1-0-1439C-H18	55	09/20/11	CLR	N	N	N	VT-11-826
O2.F1.21.0001	2-03-0-1481A-H11A	03	11/04/11	CLR	N	N	N	VT-11-922
O2.F1.21.0006	2-14B-0-1479A-H17E	14B	11/01/11	CLR	N	N	N	VT-11-903
O2.F1.21.0012	2-20B-1485A-H5462	20B	09/21/11	CLR	N	N	N	VT-11-832
O2.F1.21.0013	2-51-0-A36H-SR17	51	10/30/11	CLR	N	N	N	VT-11-918
O2.F1.21.0026	2-51B-436J-DE004	51B	11/06/11	CLR	N	N	N	VT-11-928
O2.F1.21.0027	2-53B-0-435B-DE049	53B	08/25/11	CLR	N	N	N	VT-11-813
O2.F1.21.0035	2-54A-3-0-1439C-DE017	54A	09/20/11	CLR	N	N	N	VT-11-825
O2.F1.21.0074	2-53B-0-1439B-H28	53B	08/18/10	CLR	N	N	N	VT-11-812
O2.F1.21.0208	2-14B-50-PEN # 33	14B	10/29/11	CLR	N	N	N	VT-11-890

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.21.0220	2LP-150-PEN # 15	53B	10/29/11	CLR	N	N	N	VT-11-889
O2.F1.21.0229	2-55-1-0-1439C-DE001	55	09/20/11	CLR	N	N	N	VT-11-830
O2.F1.22.0006	2-01A-3-0-1401B-R7	01A	10/25/11	CLR	N	N	N	VT-11-885
O2.F1.22.0017	2-53B-4-0-435B-H16	53B	09/14/11	REC	N	N	N	VT-11-824 Civil Engineering has found this support to be acceptable for service based on Engineering evaluation. Discrepancies were not service induced.
O2.F1.30.0008	2-03A-1-0-1439A-H30	03A	10/05/11	CLR	N	N	N	VT-11-842
O2.F1.30.0018	2-03A-1401A-GC-0802	03A	10/05/11	CLR	N	N	N	VT-11-843
O2.F1.30.0022	2-03A-1-0-1439C-H6	03A	09/14/11	CLR	N	N	N	VT-11-822
O2.F1.30.0026	2-07A-1400A-DE002	07A	10/05/11	CLR	N	N	N	VT-11-838
O2.F1.30.0028	2-07A-0-1400A-SR7	07A	10/06/11	CLR	N	N	N	VT-11-839
O2.F1.30.0029	2-07A-1400A-DE022	07A	10/05/11	CLR	N	N	N	VT-11-840
O2.F1.30.0037	2-14B-0-1439B-RJP-3101	14B	09/14/11	CLR	N	N	N	VT-11-819
O2.F1.30.0045	2-14B-1439A-H5559	14B	09/20/11	CLR	N	N	N	VT-11-828
O2.F1.30.0046	2-14B-1439A-H5558	14B	09/20/11	CLR	N	N	N	VT-11-831

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.30.0286	2-03A-1-0-1439A-H19	03A	10/04/11	CLR	N	N	N	VT-11-835
O2.F1.31.0005	2-03A-1-0-1401B-SR5	03A	10/06/11	CLR	N	N	N	VT-11-837
O2.F1.31.0011	2-03A-1-0-437B-H2	03A	09/08/11	CLR	N	N	N	VT-11-816
O2.F1.31.0019	0-14-447B-H7027	14	10/19/11	CLR	N	N	N	VT-11-846
O2.F1.31.0020	2-14B-1439C-H5184	14B	09/20/11	CLR	N	N	N	VT-11-827
O2.F1.31.0024	2-14B-1400A-JEJ-2002	14B	10/05/11	CLR	N	N	N	VT-11-902
O2.F1.31.0026	0-14C-447A-H7039	14C	10/19/11	CLR	N	N	N	VT-11-845
O2.F1.32.0005	2-03A-1-0-437B-H1	03A	09/08/11	CLR	N	N	N	VT-11-817
O2.F1.32.0009	2-07A-1400A-JLM-2102	07A	10/06/11	CLR	N	N	N	VT-11-841
O2.F1.32.0016	2-57-0-1481A-H7	57	10/23/11	CLR	N	N	N	VT-11-865
O2.F1.40.0002	2-SGB-SKIRT	50	10/23/11	CLR	N	N	N	VT-11-863
O2.F1.40.0014	2-RBCC-A	14B	07/13/11	CLR	N	N	N	VT-11-807
O2.F1.40.0021	2-HPI-PU-A	51A	08/23/11	CLR	N	N	N	VT-11-811
O2.G14.1.0001	2-PZR-THERM	50	10/23/11	CLR	N	N	N	VT-11-862

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G3.1.0001	2-PSL-11	50	11/06/11	CLR	N	N	N	PT-11-372
O2.G3.1.0002	2-PSL-133	50	11/06/11	CLR	N	N	N	UT-11-878
O2.G3.1.0003	2-PSL-142	50	11/06/11	CLR	N	N	N	UT-11-879
O2.G4.1.0008	2RC-202-4	51A	10/29/11	REC	Y	N	N	RT/NA Indications were Film Artifacts and Tungsten. These were determined to be acceptable.
		51A	11/01/11	CLR	Y	N	N	UT-11-844 No percentage of coverage required. No Request for Relief required.
O2.G4.1.0009	2RC-203-4	51A	11/01/11	REC	N	N	N	RT/NA Indications were Film Artifacts, Concavity, and Tungsten. These were determined to be acceptable.
		51A	11/01/11	CLR	Y	N	N	UT-11-845 No percentage of coverage required. No Request for Relief required.
O2.G4.1.0010	2RC-204-4	51A	11/01/11	REC	N	N	N	RT/NA Indications were Film Artifacts, Concavity, and Tungsten. These were determined to be acceptable.
		51A	11/01/11	CLR	Y	N	N	UT-11-846 No percentage of coverage required. No Request for Relief required.
O2.G4.1.0011	2RC-205-4	51A	10/29/11	REC	Y	N	N	RT/NA Indications were Film Artifacts, and Tungsten. These were determined to be acceptable.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G4.1.0011	2RC-205-4	51A	11/01/11	CLR	Y	N	N	UT-11-847
								No percentage of coverage required. No Request for Relief required.
O2.H2.1.0001	2-PHA-13	50	11/04/11	CLR	N	N	N	PT-11-366
O2.H2.1.0002	2-PHA-14	50	11/04/11	CLR	N	N	N	PT-11-367
O2.H2.1.0003	2-PHA-15	50	11/04/11	CLR	N	N	N	PT-11-368
O2.H2.1.0007	2-PIA1-12	50	11/03/11	CLR	N	N	N	PT-11-364
O2.H3.1.0012	2-03-18-45	03	11/07/11	CLR	N	N	N	UT-11-880
		03	11/07/11	CLR	N	N	N	UT-11-883
O2.H3.1.0013	2-03-18-44AA	03	11/06/11	CLR	N	N	N	UT-11-881
		03	11/06/11	CLR	N	N	N	UT-11-884 (Page 1)
		03	11/06/11	CLR	N	N	N	UT-11-884 (Page 2)
		03	11/06/11	CLR	N	N	N	UT-11-884 (Page 3)
O2.H3.1.0014	2-03-18-44AB	03	11/06/11	CLR	N	N	N	UT-11-882
		03	11/06/11	CLR	N	N	N	UT-11-885 (Page 1)
		03	11/06/11	CLR	N	N	N	UT-11-885 (Page 2)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.H3.1.0015	2-03-18-46G	03	11/08/11	CLR	N	Y	N	UT-11-893 (Page 1)
								Geometric Reflector from the Backing Ring at 60 degrees.
		03	11/08/11	CLR	N	Y	N	UT-11-893 (Page 2)
								Geometric Reflector from the Backing Ring at 60 degrees.
		03	11/08/11	CLR	N	N	N	UT-11-895
O2.H3.1.0016	2-03-18-46	03	11/08/11	CLR	N	N	N	UT-11-894 (Page 1)
		03	11/08/11	CLR	N	Y	N	UT-11-894 (Page 2)
								Geometric Reflector from the Backing Ring at 60 degrees.
		03	11/08/11	CLR	N	N	N	UT-11-896
O2.H4.1.0015	2-03-1401A-H4087	03	11/05/11	CLR	N	N	N	MT-11-118
		03	10/24/11	CLR	N	N	N	VT-11-881
O2.H4.1.0016	2-03-0-1401A-R12	03	11/05/11	REC	N	N	N	MT-11-120
								Indication #1 acceptable per Technique B, Acceptance Standard J / Figure G-1.
		03	10/24/11	CLR	N	N	N	VT-11-880
O2.H4.1.0017	2-03-0-551-H65	03	11/01/11	CLR	N	N	N	VT-11-891
O2.H4.1.0018	2-03-0-1401A-R13	03	11/04/11	CLR	N	N	N	VT-11-923
O2.H4.1.0019	2-03-0-551-H59	03	11/07/11	REC	N	N	N	MT-11-121
								Indications # 1 and 2 are acceptable per Technique B, Acceptance Standard J / Figure G-1.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.H4.1.0019	2-03-0-551-H59	03	10/24/11	CLR	N	N	N	VT-11-886
O2.H4.1.0020	2-03-0-551-H58	03	11/05/11	CLR	N	N	N	MT-11-119
		03	10/24/11	REC	N	N	N	VT-11-887
								Civil Engineering has found this support to be acceptable for service based on Engineering evaluation. Discrepancies were not service induced.
O2.H4.1.0021	2-FPA-27	03	11/06/11	CLR	N	N	N	MT-11-123
		03	11/10/11	CLR	N	N	N	VT-11-925
O2.H4.1.0022	2-FPA-25	03	10/31/11	CLR	N	N	N	MT-11-124
		03	11/09/11	CLR	N	N	N	VT-11-926
O2.Q1.1.0003	2RC-326-22V	50	11/04/11	CLR	N	N	N	UT-11-868 (Page 1)
		50	11/04/11	CLR	N	N	N	UT-11-868 (Page 2)
O2.Q1.1.0004	2-PZR-WP91-1-WOL	50	10/29/11	CLR	N	N	N	UT-11-814 (Page 1)
		50	10/29/11	CLR	N	N	N	UT-11-814 (Page 2)
O2.Q1.1.0008	2-51A-35-136V	50	11/04/11	CLR	N	N	N	UT-11-867 (Page 1)
		50	11/04/11	CLR	N	N	N	UT-11-867 (Page 2)
		50	11/04/11	CLR	Y	N	N	UT-11-867 (Page 3)
								Percentage of coverage >90%.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.Q1.1.0008	2-51A-35-136V	50	11/04/11	CLR	N	N	N	UT-11-867 (Page 4)
		50	11/04/11	CLR	N	N	N	UT-11-867 (Page 5)
		50	11/04/11	CLR	N	N	N	UT-11-867 (Page 6)
		50	11/04/11	CLR	N	N	N	UT-11-867 (Page 7)
		50	11/04/11	CLR	N	N	N	UT-11-867 (Page 8)

5.0 Owner's Report for Repair and Replacement Activities

As required by the applicable code, records of Class 1 and Class 2 Repair and Replacement work is included in the NIS-2 forms in this section. Attachment A lists the NIS-2 forms that were completed during 2EOC25 and items completed during 2EOC24 that were not included in that report.

There were work orders completed during 2EOC-25 but the reviews were not completed nor were the NIS-2 forms generated in time to be submitted in this report. PIP O-12-00661 was generated to document the work orders that will not have NIS-2 forms included in this report. These NIS-2 forms will be included in the next report.

The individual work order 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 1 and ISI Class 2 items during this report period. PSI examination data for items examined during 2EOC25 are filed with the Work Order.

List of NIS2 from 2EOC25

Attachment A

Work Order #	Class
1760954	1
1855752-01	1
1963750	1
1963799-01	1
2009996	1
1866163	2
1874818	2
1879953-01	2
1881374-07	2
1881374-06	2
1913419	2
1916669	2
1926246	2
1927052	2
1927178-01	2
1936354-02	2
1936354-04	2
1936354	2
1936969	2
1946318-01	2
1948273	2
1962825	2
1962826	2
1962827	2
1962828	2
1962868-14	2
1962868	2
1962987	2
1963217-01	2
1963445	2
1967328	2
1967329	2
1983053	2

List of NIS2 from 2EOC24

Work Order #	Class
1776351	2
1828441-01,06	2
1828443-01,06	2
1866950	1&2
1881020-04	2
1927419	2

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
01760954	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: 1/9/2012

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

Low 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)
1) Piping	DEC	None	None	None	2011	Corrected	NO

7. Description of Work

EC95296, installs vibration resistant welds (2 to 1 taper) on 1/2" piping near valves 2LP-166 and 2LP-167. No piping was replaced.

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
01760954	2 of 2

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

❶ Weld #8 through 16, 31 through 38, and 69 on weld isometric 2-LP-0112 had 2 to 1 taper welds installed. No piping was replaced. Remaining welds on weld isometric 2-LP-0112 will have 2 to 1 taper welds installed during a later refueling outage.

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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: 1/9/2012

Owner or Owner's Designee. Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9/22/11 to 1/10/12, 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 13048, 201, A, N, I

National Board, State, Province, and Endorsements

Date 1/10/12

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
01855752-01	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 - 0 Date: 11/11/2011

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)
Spare Pressurizer Code Safety valve	Dresser	BT-04975	n/a	none	1979	Corrected	YES

7. Description of Work

Installed replacement disc, serial number ADW-52 and bonnet serial number AGM09 from stock.

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
01855752-01	2 of 2

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

❶ Disc, UTC #: 1068294, serial #: ADQ-66
Bonnet, UTC#: 1983881, serial #: AGM09

❷ NOTE: For traceability, Valve serial number BT-4975 was installed on work order: 01963176-06

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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 11-11-2011
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/9/2011 to 1/4/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector 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 13048, 20, ANI
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/4/2012

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
1963750	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: 12/12/2011

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 Incore Detectors, 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)
Qualified Incore Detector	UNK	See Remarks	None	See Remarks	UNK	Removed	NO
Qualified Incore Detector	Framatome	See Remarks	None	See Remarks	UNK	Installed	NO
Standard Incore Detector	UNK	See Remarks	None	See Remarks	UNK	Removed	NO
Standard Incore Detector	Framatome	See Remarks	None	See Remarks	UNK	Installed	NO
Nut Ring x 11	Framatome	None	None	See Remarks	UNK	Installed	NO

7. Description of Work

Replace 11 incores (8 qualified and 3 standard) and associated closure hardware due to end of life.

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
1963750	2 of 2

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

❶ 8 qualified Incore detectors
2II-TE-1635 - LRQICD 5105
2II-TE-1639 - LRQICD 5118
2II-TE-1623 - LRQICD 5108
2II-TE-1628 - LRQICD 5107
2II-TE-1632 - LRQICD 5106
2II-TE-1643 - LRQICD 5117
2II-TE-1647 - LRQICD 5116
2II-TE-1650 - LRQICD 5115
Replaced with CID# 862569
UTC# 1975688, 1958731

3 standard Incore detectors
2II-TE-1634 - LRFICD 1721
2II-TE-1641 - LRFICD 1720
2II-TE-1603 - LRFICD 1722
Replaced with CID# 862568
UTC# 1975763

11 Nut Rings UTC# 1976171, 1958732

❷ * PIP-O-11-15037

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] Aaron Best, Engineer Date: 12/12/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-12-2011 to 1/4/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector 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]
Inspector's Signature

Commissions 1304B, 201, A, N, E
National Board, State, Province, and Endorsements

Date 1/4/2012 * SEE REMARKS

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
1963799-01	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: 11/7/2011

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, 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)
2HP-453	Anchor/Darling	ET078-1-23	UNK	n/a	1992	Corrected	YES

7. Description of Work

Resilient seat was found to be in degraded condition. Disc/seat assembly was replaced with like from stock for maintenance convenience.

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
1963799-01	2 of 2

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

❶ Disc/seat assembly (UTC# 1970568) was replaced with like from stock.

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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 _____ Engineer II Date 11/7/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/8/2011 to 1/4/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector 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 13048, 201, A, N, I

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

Date 1/4/2012

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
02009996	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: 11/21/2011

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)
2RC-78	Velan	Unk	Unk	Unk	Unk	Removed	NO
2RC-78	Flowserve	59AXR	1185	UTC 1067004	2003	Installed	YES
Piping	DECo	None	None	None	2011	Installed	NO

7. Description of Work

EC107149 - Replace 3/4", Class AC, drain valve 2RC-78 and associated piping

8. Test Conducted PER BILL FOSTER/NDE

☐ 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
02009996	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 [signature] Bill Foster, Engineer III Date 11/21/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11·8·11 to 12·12·11, 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 13048, 201, A.N.I.

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

Date 12·12·11

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code , Section III, Div. 1

1. Manufactured by FLOWSERVE CORPORATION, 1900 S. Saunders St., Raleigh, NC 27603
(Name and Address of N Certificate Holder)

2. Manufactured for DUKE ENERGY CORP CHARLOTTE NC 28201
(Name and Address of Purchaser or Owner)

3. Location of Installation DUKE ENERGY CORP. 00ONEE. SENECA, SC 29672
(Name and Address)

4. - Pump or Valve Valve Nominal Inlet Size 3/4" (inch) Outlet Size 3/4" (inch)

	(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1)	1878 YGB	59AXR	N/A	W9925259 / A	1	1185	2003
(2)		60AXR				1186	
(3)	1878 YGB	61AXR	N/A	W9925259 / A	1	1187	2003
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. 3/4" Y GLOBE VALVE
(Brief description of service for which equipment was designed)

25221

6. Design Conditions 2735 (Pressure) psi 680 (Temperature) °F or Valve Pressure Class 1878 (1)

7. Cold Working Pressure 4507 psi at 100 °F.

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
M5597	SA351 GR CF8M	FLOWSERVE	BODY
(b) Forgings			
J605	SA479 T316	NOVA	BONNET
H510	A564 T630 H1075	NOVA	DISC
A14291	SA564 T630 H1075	ASKEW	GASKET RET

(1) For manually operated valves only

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

FORM NPV-1 (Back) Pg. 2 of 2

Valve S/N 59AXR through 61AXR

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
(d) Other Parts			

9. Hydrostatic test 6775 psi. Disk Differential test pressure 4958 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components. Section III, Div. 1.. Edition 1986

Addenda NO . Code Case No. N/A . Date 11/6/03

Signed Flowserve Corporation. (N Certificate Holder) by

Our ASME Certificate of Authorization No. N-1562 to use the N (N) symbol expires 11-26-06 (Date)

CERTIFICATION OF DESIGN

Design information on file at FLOWSERVE CORP

Stress analysis report (Class 1 only) on file at FLOWSERVE CORP

Design specifications certified by (1) F A BENSINGER

PE State PA Reg. No. PE-31002-E

Stress analysis certified by (1) T C BARTLETT II

PE State PA Reg. No. PE-039036-E

(1) Signature not required. List name only.

CERTIFICATE OF SHOP 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 pump, or valve, described in this Data Report on 11 7 03, and state that, to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with ASME Code, Section III.

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

Date 12 4 03

Signed Charles F Yaeger Jr. (Inspector) Commissions NB# 8462(A,NI), NC# 1073 (Nat Bd., State, Prov. and 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
01866163	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: 12/8/2011

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 Building Hydrogen Purge 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)
Piping	DEC	None	None	None	Unk	Installed	NO
❶2-51A-0-1439A-H177	DEC	None	None	None	Unk	Corrected	
❷2-51-0-1439A-H179	DEC	None	None	None	Unk	Corrected	
❸2-67-1439A-H5116	DEC	None	None	None	Unk	Corrected	
❹2-67-1439A-H5122	DEC	None	None	None	Unk	Corrected	
❺2-67-1439A-H5123	DEC	None	None	None	Unk	Corrected	

7. Description of Work

EC100353 modify piping, valves and supports to implement the new Reverse Osmosis System

8. Test Conducted

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

Pressure 74 PSI Test Temperature 72 °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
01866163	2 of 2

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

❶ Removed tubing supports attached to this support.

❷ Removed tubing supports attached to this support.

❸ Removed tubing supports attached to this support.

❹ Rebuilt support in similar configuration except to allow use of 2 U-bolts instead of 1 U-bolt.

❺ Rebuilt support in similar configuration except to allow use of 2 U-bolts instead of 1 U-bolt.

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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 Ronald Boryla Ronald Boryla Date 12/8/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9/8/10 to 1/10/12, 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 13048, 20I, A, N, I

National Board, State, Province, and Endorsements

Date 1/10/12

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
01874818	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: 11/16/2011

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

Low 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)
2LP-96	Velan	Unk	Unk	Unk	Unk	Removed	NO
2LP-96	Flowserve	E371A-7-5	2430	UTC 1021456	2000	Installed	YES

7. Description of Work

EC97968 - Replace 2" LPI supply to purification demineralizer block valve 2LP-96 with a 2" globe valve.

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
01874818	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 David L Hubbard/Technical Specialist II Date 11/16/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9-8-10 to 12-14-11, 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 13048, 201, A.N.I

National Board, State, Province, and Endorsements

Date 12/14/11

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
01879953-01	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: 11/4/2011

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

Low Pressure Injection, ASME Class 2

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)
2LP-24	Crane	Unknown	n/a	n/a	unk	Corrected	NO

7. Description of Work

New studs (16) and nuts (32) are being installed due to existing studs not being long enough to have full thread engagement with the nuts.

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
01879953-01 w/h ~~1946318-01~~	2 of 2

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

❶ Replaced (32) 7/8" nuts on body to bonnet flange of 10" valve. SA-194, Gr 8 material, UTC #: 1984345

❷ Replaced (16) 7/8" studs on body to bonnet flange of 10" valve. SA-193, Gr B7 material, UTC #: 1986177

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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 11/4/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/3/2011 to 1/4/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector 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 1304B, 201, ANI

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

Date 1/4/2012

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
01881374 - 07	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 10/5/2010

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: Bldg. Spray - High Pressure Portion , ASME Class 2

6.
(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~~ 1969 Edition, 2000 Addenda
(c) Applicable Section XI Codes Cases(s) None

B70 7/19/11 B70 7/19/11

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) 2-54A-3-0-1439A-R16, Hydraulic Snubber	Grinnell	25972	UNK	N/A	UNK	Removed	No
2-54A-3-0-1439A-R16, Hydraulic Snubber	Anvil	37402	UNK	UTC 1937411	UNK	Installed	No

7. Description of Work
REPLACE HYDRAULIC SNUBBER

8. Test Conducted
☐ Hydrostatic ☐ Pnuematic ☐ Nominal Operating Pressure ☒ Exempt ~~☐~~ Other Visual

B70 7/19/11

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
01881374 - 07	Page 2 of 2

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

1) Replaced existing snubbber due to seal life.

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 10/5/10

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 North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in the Owner's Report during the period 7/18/11 to 7/19/11, 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 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 rising from or connected with this inspection.

[signature] Commision(s) NB8447 ABNI

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

Date 7/19/11

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
01881374 - 06	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 10/5/2010

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: ire Injection - Low Pressure Portion , ASME Class 2

5.
(a) Applicable Construction Cod USAS B31.1 BJD 7/19/11 1967 Edition, No Addenda No Code Case BJD 7/19/11
(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) 2-53B-5-0-435B-SR1000, HYDRAULIC SNUBBER	Grinnell	18576	UNK	N/A	UNK	Removed	No
2-53B-5-0-435B-SR1000 Load stud	Anvil	N/A	UNK	UTC 1093360	UNK	Installed	No
2) 2-53B-5-0-435B-SR1000 Load stud	Grinnell	N/A	UNK		UNK	Removed	No
2-53B-5-0-435B-SR1000, HYDRAULIC SNUBBER	Anvil	36545	UNK	UTC 1846243	UNK	Installed	No

7. Description of Work
Replece Hydraulic snubber and missing load stud (Ref. PIP 10-07205)

8. Test Conducted
☐ Hydrostatic ☐ Pnuematic ☐ Nominal Operating Pressure ☒ Excempt ☑ Other Visual BJD 7/19/11
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
01881374 - 06	Page 2 of 2

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

1) Replaced existing snubbber due to seal life.

2) Replace worn load stud

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 10/5/10

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 North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in the Owner's Report during the period 7/15/11 to 7/19/11, 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) NB8447ABNI

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

Date 7/19/11

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
1913419	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: 11/7/2011

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 Building Spray, 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)
S/R 2-54A-3-0-1439C-H5	DUKE	N/A	N/A	N/A	1973	Installed	NO

7. Description of Work

Repair washer plate

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
1913419	2 of 2

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

❶ BAR, FLAT, CARBON STL, 1/4" THK X 4" WD, ASTM A36, UTC 1945481, Trace: M HT#DL0910315002

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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 Anna W. Cox, Engr IT Date 11/8/11
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 3/15/11 to 1/6/12, 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 13048, 20I, A, N, I
National Board, State, Province, and Endorsements

Date 1/6/12

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
01916669	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: 9/7/2011

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

2B Reactor Building Spray Pump, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 68 Edition, 06/68 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)
ON2BSPU0002	Ingersoll-Rand	0369-142	UNK	Model#: 4x11A	UNK	Corrected	NO

7. Description of Work

Dry boron accumulation between discharge flanges was cleaned and studs were replaced per good maintenance practice.

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
1916669	2 of 2

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

❶ (QTY:16) Nut, Hex, Heavy Hex, 5/8", 11UNC-2B, Carbon Stl., ASME SA194 GR2H, ANSI B18.2.2, ASME Section III Subsection NB (CAT ID 293556), UTC#1977580

❷ (QTY:72) Rod, Threaded 5/8", 11UNC-2A, Alloy Stl, ASME SA 193 GRB7, 1007B1AR1C0A005, A, ASME Section III Subsection NB (CAT ID 297412), UTC#1977960

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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 _____, Engineer Date 9/7/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9/1/2011 to 1/4/12, 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 13048, 201, A, N, I

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

Date 1/4/2012

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
1926246	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: 11/8/2011

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

Main Steam, 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)
2-01A-0-1480A-H7	DUKE	N/A	N/A	N/A	1973	Installed	NO

7. Description of Work

Replaced corroded items, jam nuts, weldless eye nuts, rods, bolts.

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
1926246	2 of 2

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

❶ 4, 1" jam nuts UTC 1951881

❷ 2, 1" weldless eye nuts UTC 1978069

❸ 2, 1" carbon stl round bar UTC 1951530

❹ 2, 1/8" X 8" alloy stl UTC 1978685

❺ 2, 7/8"X8" threaded rod UTC 1978693

❻ 16-7/8" heavy hex nuts UTC 1976747

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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 Anna W. Gin, Eng II Date 11/9/11

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 10/27/2011 to 1/4/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector 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 13048, 201, A, N, I

National Board, State, Province, and Endorsements

Date 1/4/2012

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
01927052 - 00	Page 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 29672-0752
Unit	2		
Date	11/30/2011		

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 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 N/A
(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 Colmponents

Name of Component	Manufacturer:	Manufacturer Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
10 inch Sch. 40 Pipe	Duke	n/a	UNK	See Remarks	2011	Corrected	No

7. Description of Work

Replacement of 1" half-coupling connections at header pipe U/S of 2LPSW-561, 667, 668 & 669 and weld repairs on the 10" Sch. 40 connections for 2LPSW-667 and 2LPSW-669.

8. Test Conducted

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

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
01927052 - 00	Page 2 of 2

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

Weld Filler Materal	3/32"	UTC 1924589
Weld Filler Materal	1/8"	UTC 1920128
Weld Filler Materal	1/16"	UTC 1919606
Weld Filler Materal	3/32"	UTC 1926788
Weld Filler Materal	1/16"	UTC 1967239
Weld Filler Materal	3/32"	UTC 1974023

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 11/30/2011

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 10/27/11 to 1/9/12, 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) 13048, 201, A, N, I

Inspector's Signature

National Board, State, Province, and Endorsements

Date 1/9/12

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
01927178 - 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 11/2/2011

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 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 Components

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	UNK	None	UTC#: 1953099	2011	Installed	No

7. Description of Work
REPLACE 4" DIA. LPSW (RX BLDG FIRE PROTECTION) PIPING (APPROX.7 INCHES LONG) FROM 6"X6"X4" TEE CONNECTION TO VALVE 2LPSW-563 WITH NEW CARBON STEEL.

8. Test Conducted
☑ Hydrostatic ☐ Pnuematic ☑ Nominal Operating Pressure ☐ Excempt ☐ Other

* Pressure PSI Test Temperature Deg. F

*W.O. 1948273-73 MEF 11/8/12
TEST 2243HZ-1014

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
01927178 - 01	Page 2 of 2

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

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 11/2/2011

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 4/27/11 to 1/5/12, 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) 13048, 201, AN,I

Inspector's Signature

National Board, State, Province, and Endorsements

Date 1/5/12

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
01936354-02	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: 11/8/2011

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 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)
Pipe	DECo	None	None	See Remarks	2011	Installed	NO

7. Description of Work

Replace Pipe and elbow

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
01936354	2 of 2

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

❶ 6 feet of 4 inch pipe CID# 149465 UTC# 1974006 Data Pack Attached

❷ 4 inch Elbow CID# 80119 UTC# 1924166 Data Pack 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: Robert Bell, Tech Spec IV Date: 11/8/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/27/11 to 1/5/12, 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 1304B, 201, A, N, T

National Board, State, Province, and Endorsements

Date 1/5/12

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
01936354-04	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: 11/2/2011

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 System, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, _____ 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)
2HP-31	Fisher	14A3722X252	UKN	UKN	UKN	Corrected	NO

7. Description of Work

Replace Disc/Stem Assembly

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
01936354-04	2 of 2

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

❶ Stem/Plug Assembly CID# 860541 UTC# 1986065 Data Report Attached

❷ Plug/Stem assembly 14A3722X252 consists of the following components: Plug 14A3722X242, Stem 10A9265ES2

❸ And Pin 1B813635072

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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] Robert Bell, Tech Spec IV Date: 11/4/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/7/2011 to 1/4/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector 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 13048, 20I, A, N, I

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

Date 1/4/2012

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
01936354	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** 11/2/2011

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 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)
2HP-31	Fisher	AF9822-1	UKN	part# 3V5594X0012	UKN	Corrected	NO

7. Description of Work

Replace Valve Body

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
01936354	2 of 2

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

❶ Valve Body CID# 874236 UTC# 1976945 Data Report Attached

❷ Lot # FSNB, Heat # SN31

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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 Robert Bell Robert Bell, Tech Spec IV Date 11/2/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/27/11 to 1/5/12, 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 13048, ZDI, A, N, I

Inspector's Signature

National Board, State, Province, and Endorsements

Date 1/5/12

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to exceed One Day's Production

1976945

0536883

1. Manufactured and certified by: FISHER CONTROLS INTL LLC, 205 SOUTH CENTER STREET, MARSHALLTOWN, IA, 50158 (name and address of NPT Certificate Holder)

2. Manufactured for: DUKE ENERGY CAROLINAS, LLC, DEPT ID OPNONS, PO BOX 37925, CHARLOTTE, NC 28237 (name and address of purchaser)

3. Location of installation: DUKE ENERGY, OCONEE SITE-RECEIVING DEPT, 155 PICKENS HYW (SC HWY 183), SENECA, SC 29672 (name and address)

4. Type (drawing no.) ✓ SA351 CF8M (matl spec. no.) 70 KSI (tensile strength) N/A (CRN) 2011 (year built)

5. ASME Code, Section III: 1986 ✓ (edition) 1988 ✓ (addenda date) 2 ✓ (class) N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: DESIGN: ASME BPVC SECT. III, DIV. 1, 1986 EDITION, 1988 ADDENDA, CLASS: 2 ✓
OTHER: ASME BPVC SECT. III, DIV. 1, 1998 EDITION, 1999 ADDENDA, CLASS: 2

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	Heat Number		Part or Appurtenance Serial Number	Heat Number
(1)	AF8822-1	FHNB SN: 31	(26)		
(2)			(27)		
(3)			(28)		
(4)			(29)		
(5)			(30)		
(6)			(31)		
(7)			(32)		
(8)			(33)		
(9)			(34)		
(10)			(35)		
(11)			(36)		
(12)			(37)		
(13)			(38)		
(14)			(39)		
(15)			(40)		
(16)			(41)		
(17)			(42)		
(18)			(43)		
(19)			(44)		
(20)			(45)		
(21)			(46)		
(22)			(47)		
(23)			(48)		
(24)			(49)		
(25)			(50)		

10. Design Pressure 3050 psi. Temp. 200 °F Hydro. test pressure 5625 PSI (when applicable) at temp. °F

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

FORM N-2 (back – Pg. 2 of 2)

1976945

Certificate Holder's Serial Nos. AF9822-1 through N/A

CERTIFICATION OF DESIGN

Design specifications certified by SANDY H. CLARK (when applicable) P.E. State SC Reg. no. 9588

Design report certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATION OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) 2" BODY conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. N-1930 Expires 10-27-2013

Date 4/6/11 Name FISHER CONTROLS INT'L LLC (NPT Certificate Holder) Signed (authorized representative)

CERTIFICATION OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Provice of Iowa and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected these items described in this Data Report on 4-6-11 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report.
Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 4-6-11 Signed (Authorized Inspector) Commissions NB 7881 NBA 822 IA. (Nat'l. Bd. (incl. endorsements) state or prov. and 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
01936969	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: 11/15/2011

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-363	BNL Ind	A930201-1	Unk	Unk	Unk	Removed	NO
2HP-363	Flowserve	60BAQ	1452	UTC 1078372	2005	Installed	YES
Piping	DECo	None	None	None	2011	Installed	NO

7. Description of Work

EC100478 - replace 2", Class B, isolation valve 2HP-363 and piping, removal and reinstallation of 2HP-364

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
01936969	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 Foster Bill Foster, Engineer III Date 11/15/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8-15-11 to 12-14-11, 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 13048, ZOI, ANI

National Board, State, Province, and Endorsements

Date 12-14-11

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
1946318-01	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** 11/3/2011

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 Building Spray, ASME Class 2

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)
2BS-3	Crane	Unknown	n/a	n/a	unk	Corrected	YES

7. Description of Work

Only the stud nuts were changed as several of them were thought to have been damaged as they were hard to remove. No deviations, like for like changes.

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
1946318-01	2 of 2

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

❶ Replaced (32) 7/8" nuts on body to bonnet flange on 10" valve. SA-194, Gr 8 material, UTC #: 1919119

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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 11/4/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/3/2011 to 1/4/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector 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 13048, ZOL, ANI

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

Date 1/4/2012

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
01948273	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 11/22/2011

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

Low Pressure Service Water, 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)
(1) 14B-0-1480A-H9A	Duke Energy	None	None	None	Unk	Corrected	NO
(2) 14B-0-1480A-H15A	Duke Energy	None	None	None	Unk	Corrected	NO
(3) Piping	Duke Energy	None	None	None	2011	Installed	NO

7. Description of Work

EC102463 replaced carbon steel piping with stainless steel piping and modified supports.

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
01948273	2 of 2

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

❶ Support 14B-0-1480A-H9A, removed 1/2" carbon steel plate. Replaced with 1/2" stainless steel plate.

❷ Support 14B-0-1480A-H15A, removed 1/2" carbon steel plate. Replaced with 1/2" stainless steel plate. Removed bp washer welded, 3/16" plate and 3/8" plate. Replaced with hilti kb3 and 3/8" x 3" x 3" angle.

❸ Installed 1/2",1", 3" and 4" piping.

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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 Hubbard David Hubbard/Technical Specialist II Date 11/22/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8/17/11 to 1/10/12, 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 13048, 201, A, N, I

Inspector's Signature

National Board, State, Province, and Endorsements

Date 1/10/12

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
01962825	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: 11/4/2011

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 2B1 RCP Motor Air Coolers , ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.1 19 67 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)
2B1 RCP Motor Upper Air Cooler bolting (1) (2)	Duke	Unknown	None	None	2011	Installed	NO

7. Description of Work

Corrective work on the 2B1 RCP Motor Coolers (tube cleaning) required removal of the cooler waterbox. This involved disassembling the Low Pressure Service (LPSW) piping from the coils. The 1/2-inch diameter bolting material for the waterboxes required replacement due to surface degradation and maintenance convenience.

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
01962825	2 of 2

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

❶ Replaced RCP Motor Air Cooler waterbox studs and nuts. - Nuts, hex, heavy hex, 1/2", 13 UNC-2B, carbon stl, ASME SA194 GR 2H, ANSI B18.2.2, ASME SA 194 Gr 2H, Catalog ID 313135, UTC # 0001963140.
- Studs - cut from rod, threaded, 1/2", 13 UNC-2A, alloy stl, ASME SA193 GR B7, Catalog ID # 297411, UTC # - various: 0001938183, 0001936901, 0001938187, 0001935521. See Remark (2) below.

❷ Threaded rod issued on 2B1 lower air cooler WO 01962826. PIP O-11-13151 written on loss of traceability between coolers.

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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 Batton, engineer Date 11/4/2011
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/27/11 to 1/6/12, 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 13048, 201, A, N, I
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/6/12

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
01962826	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: 11/4/2011

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 2B1 RCP Motor Air Coolers , ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.1 19 67 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)
2B1 RCP Motor Lower Air Cooler bolting (1) (2)	Duke	Unknown	None	None	2011	Installed	NO

7. Description of Work

Corrective work on the 2B1 RCP Motor Coolers (tube cleaning) required removal of the cooler waterbox. This involved disassembling the Low Pressure Service (LPSW) piping from the coils. The 1/2-inch diameter bolting material for the waterboxes required replacement due to surface degradation and maintenance convenience.

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
01962826	2 of 2

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

❶ Replaced RCP Motor Air Cooler waterbox studs and nuts. - Nuts, hex, heavy hex, 1/2", 13 UNC-2B, carbon stl, ASME SA194 GR 2H, ANSI B18.2.2, ASME SA 194 Gr 2H, Catalog ID 313135, UTC # 0001963140.
- Studs - cut from rod, threaded, 1/2", 13 UNC-2A, alloy stl, ASME SA193 GR B7, Catalog ID # 297411, UTC # - various: 0001938183, 0001936901, 0001938187, 0001935521. See Remark (2) below.

❷ No threaded rod issued on 2B1 upper air cooler WO 01962825. PIP O-11-13151 written on loss of traceability between coolers.

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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 Batton, engineer Date 11/4/2011
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/27/11 to 1/6/12, 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 13048, 201, A, N, I
National Board, State, Province, and Endorsements

Date 1/6/12

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
01962827	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: 11/4/2011

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 2B2 RCP Motor Air Coolers , ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.1 19 67 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)
2B2 RCP Motor Upper Air Cooler bolting (1) (2)	Duke	Unknown	None	None	2011	Installed	NO

7. Description of Work

Corrective work on the 2B2 RCP Motor Coolers (tube cleaning) required removal of the cooler waterbox. This involved disassembling the Low Pressure Service (LPSW) piping from the coils. The 1/2-inch diameter bolting material for the waterboxes required replacement due to surface degradation and maintenance convenience.

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
01962827	2 of 2

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

❶ Replaced RCP Motor Air Cooler waterbox studs and nuts. - Nuts, hex, heavy hex, 1/2", 13 UNC-2B, carbon stl, ASME SA194 GR 2H, ANSI B18.2.2, ASME SA 194 Gr 2H, Catalog ID 313135, UTC # 0001963140.
- Studs - cut from rod, threaded, 1/2", 13 UNC-2A, alloy stl, ASME SA193 GR B7, Catalog ID # 297411, UTC # - various: 0001919842, 0001938183, 0001936901, 0001938187, 0001935521. See Remark (2) below.

❷ Threaded rod issued on 2B2 lower air cooler WO 01962828. PIP O-11-13151 written on loss of traceability between coolers.

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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 Batton, engineer Date 11/4/2011
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/27/11 to 1/6/12, 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 13048, 20I, A, N, I
National Board, State, Province, and Endorsements

Date 1/6/12

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
01962828	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: 11/4/2011

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 2B2 RCP Motor Air Coolers , ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.1 19 67 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)
2B2 RCP Motor Lower Air Cooler bolting (1) (2)	Duke	Unknown	None	None	2011	Installed	NO

7. Description of Work

Corrective work on the 2B2 RCP Motor Coolers (tube cleaning) required removal of the cooler waterbox. This involved disassembling the Low Pressure Service (LPSW) piping from the coils. The 1/2-inch diameter bolting material for the waterboxes required replacement due to surface degradation and maintenance convenience.

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
01962828	2 of 2

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

❶ Replaced RCP Motor Air Cooler waterbox studs and nuts. - Nuts, hex, heavy hex, 1/2", 13 UNC-2B, carbon stl, ASME SA194 GR 2H, ANSI B18.2.2, ASME SA 194 Gr 2H, Catalog ID 313135, UTC # 0001963140.
- Studs - cut from rod, threaded, 1/2", 13 UNC-2A, alloy stl, ASME SA193 GR B7, Catalog ID # 297411, UTC # - various: 0001919842, 0001938183, 0001936901, 0001938187, 0001935521. See Remark (2) below.

❷ No threaded rod issued on 2B2 upper air cooler WO 01962827. PIP O-11-13151 written on loss of traceability between coolers.

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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 Batton, engineer Date 11/4/2011
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/27/11 to 1/6/12, 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 13048, 201, A, N, I
National Board, State, Province, and Endorsements

Date 1/6/12

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
01962868-14	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 - 0 Date: 11/17/2011

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

Spare (formerly 2A1) RC Pump Motor Upper Bearing Oil Cooler, LPSW System, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.1 19 67 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)
Spare RCP Motor Brg Oil Cooler end covers (1)	TEi	06887-9	UNK	UNK	UNK	Corrected	NO
Spare RCP Motor Brg Oil Cooler channelhead bolting (2)	Duke	UNK	None	See Remarks	2011	Installed	NO

7. Description of Work

This work includes the disassembly, cleaning, eddy current testing and reassembly of a spare (formerly 2A1) RCP Motor Upper Bearing Oil Cooler. Channel head end cover bolting materials (studs,nuts) were replaced due to normal wear.

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
01962868-14	2 of 2

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

❶ Machined the inlet/outlet and return channelhead end covers, wetted surface side, to improve surface condition of gasket sealing area. Minimum thickness of the covers was maintained.

❷ Replaced channelhead end cover bolting:
- Rod, threaded, 5/8", 11 UNC-2A, alloy stl, ASME SA 193 Gr B7, CID 297412, UTC # 0001986175
- Nut, Hex, Heavy Hex, 5/8", 11 UNC-2B, Carbon Steel., ASME SA 194 Gr 2H, ANSI B18.2.2, UTC # 0001968890 & 0001977583.

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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 Batton, engineer Date 11/17/2011
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8/25/2011 to 1/4/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector 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 13048, 20I, A,N,I
National Board, State, Province, and Endorsements

Date 1/4/2012

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
01962868	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: 11/4/2011

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

Unit 2A1 Reactor Coolant Pump Motor Upper Bearing Oil Cooler, LPSW System, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.1 19 67 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)
2A1 RCP Motor Brg Oil Cooler	TEi	06887-9	UNK	UNK	UNK	Removed	NO
2A1 RCP Motor Brg Oil Cooler	TEi	09G-077-1	UNK	UTC# 0001977126	2011	Installed	NO
2A1 RCP Motor Brg Oil Cooler to LPSW piping flange bolting (1)	Duke	Unknown	None	See Remarks	2011	Installed	NO

7. Description of Work

This work includes preventative replacement of 2A1 RCP Motor Upper Bearing Oil Cooler and associated piping bolting (nuts) due to normal wear and tear and Maintenance convenience.

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
01962868	2 of 2

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

❶ Replaced 5/8-inch diameter nuts on the 2A1 RCP Motor Oil Cooler to LPSW piping flanges. The Catalog ID # for the nuts is 293556 and the UTC #'s is 0001968890. The existing studs were reused. The new studs (threaded rod, Catalog ID # 297412) issued to the Work Order were not utilized.

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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 11/4/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _____ and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8/25/11 to 1/6/12, 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 13048, 201, A, N, I

National Board, State, Province, and Endorsements

Date 1/6/12

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
01962987	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: 11/1/2011

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 B31.1 19 67 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	See Remarks	2011	Installed	NO

7. Description of Work

Corrective work on the 2B RBCU Coils # 1, #2, #3 & #4 (tube cleaning and eddy current testing) required removal of the cooler waterbox. This involved disassembling the Low Pressure Servcie (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
01962987	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 #'s is 0001977583 . The Catalog ID # for the stud material (threaded rod) is 297412 and the UTC #s are 0001974660 and 0001969882.

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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 Batton, engineer Date 11/1/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/24/2011 to 1/4/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector 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 13048, 201, A, N.I

National Board, State, Province, and Endorsements

Date 1/4/2012

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
01963217-01	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: 11/12/2011

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

Instrument Air, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.1 19 67 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) N/A

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)
2IA-91	ITT Grinnel	86-56573-1-2	WR-7570	N/A	1987	Corrected	YES

7. Description of Work

Ball installed was found with slight surface damage (scratches) in the seating area while performing preventive maintenance. Ball was replaced with new one from stock.

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
01963217-01	2 of 2

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

❶ Ball, Duke Catalog ID: 21227, serial number 708836-1-1, Ball material: SA479, TP 316, UTC #: 1053886.

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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 11-12-11

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 10/27/2011 to 1/4/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector 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 13048, 201, A, N, A

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

Date 1/4/2012

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
01963445	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: 10/31/2011

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 SSF Reactor Coolant Makeup Pump 2.5 gallon pulsation dapener, ASME Class 2

5.

(a) Applicable Construction Code: ASME Section III 19 74 Edition, 1975 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)
ON2 HPI PD 001	Greer Hydraulics	UNK	UNK	UNK	UNK	Corrected	NO

7. Description of Work

The bladder on the 2.5 pulsation dapener was replaced with a new bladder due to normal PM work scheduled for this equipment.

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
01963445	2 of 2

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

❶ Assembly, Bag & Gas Valve, 2.5gal, N Cat ID#279674, UTC#1964767

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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 _____, Engineer Date 10/31/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9/21/2011 to 1/4/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector 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 13048, 201, A,N,I

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

Date 1/4/2012

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
01967328	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: 11/6/2011

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 - 4" dia piping to 2A Reactor Building Cooling Unit (RBCU) Coils , ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.1 19 67 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 & 4 (1)	Duke	Unknown	None	See Remarks	2011	Installed	NO

7. Description of Work

Corrective work on the 2A RBCU Coils # 1, #2, #3 & #4 (tube cleaning) required removal of the cooler waterbox. This involved disassembling the Low Pressure Servcie (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
01967328	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 and #4 Coils' flanges. The Catalog ID # for the nuts is 293556 and the UTC #'s is 0001972899 . The Catalog ID # for the stud material (threaded rod) is 297412 and the UTC # is 0001977577.

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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 Batton engineer Date 11/6/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/24/2011 to 1/4/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector 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 13048, 201, A, N, I

National Board, State, Province, and Endorsements

Date 1/4/2012

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
01967329	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: 11/1/2011

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 B31.1 19 67 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	See Remarks	2011	Installed	NO

7. Description of Work

Corrective work on the 2C RBCU Coils # 1, #2, #3 & #4 (tube cleaning) required removal of the cooler waterbox. This involved disassembling the Low Pressure Servcie (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
01967329	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 is 0001977583 . The Catalog ID # for the stud material (threaded rod) is 297412 and the UTC # is 0001978406.

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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 Batton, engineer Date 11/1/2011
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/24/2011 to 1/24/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector 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 13048, 201, A,N,I
National Board, State, Province, and Endorsements

Date 1/4/2012

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
01983053	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: 7/11/2011

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 Building Hydrogen Purge 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)
2PR-139	Anchor Darling	EZ797-4-1	1990	UTC-967323	1997	Installed	YES
Piping	DEC	None	None	None	2011	Installed	YES
2-67-440A-H5655	DEC	None	None	None	2011	Installed	NO
2-67-440A-H5656	DEC	None	None	None	2011	Installed	NO

7. Description of Work

EC106147, Provide vent path from containment to atmosphere

8. Test Conducted

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

Pressure 66 PSI Test Temperature Ambient °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
01983053	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: Rick Burgess Rick Burgess, Sr. Technical Specialist Date: 7/11/2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5/26/11 to 7/21/11, 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 13048, ZOI, ANI

National Board, State, Province, and Endorsements

Date 7/21/11

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
1776351	1 of 3

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: 5/13/2010

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

Low Pressure Service Water, 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)
2LPSW-96	CRANE	UNK	UNK	NONE	UNK	Removed	NO
2LPSW-96	BNL INDUSTRIES	A080121-26-8	UNK	UTC1913058	2008	Installed	YES
2LPSW-98	CRANE	UNK	UNK	NONE	UNK	Removed	NO
2LPSW-98	BNL INDUSTRIES	A080121-26-10	UNK	UTC1913060	2008	Installed	YES
2LPSW-231	CRANE	UNK	UNK	NONE	UNK	Removed	NO
2LPSW-231	BNL INDUSTRIES	A080121-26-4	UNK	UTC1913054	2008	Installed	YES
2LPSW-232	CRANE	UNK	UNK	NONE	UNK	Removed	NO
2LPSW-232	BNL INDUSTRIES	A080121-26-9	UNK	UTC1913059	2008	Installed	YES
PIPE	DPCo.	NONE	NONE	NONE	2008	Installed	NO

7. Description of Work

EC96257 replaces 5" and 3" or smaller carbon steel pipe and components associated with the 2B1 Reactor Coolant Pump Motor Air Cooler and Upper Bearing Oil Cooler with stainless steel piping and components.

8. Test Conducted

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

Pressure 132 PSI Test Temperature 73 °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
1776351	2 of 3

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: 5/13/2010

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

Low Pressure Service Water, 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)
S/R 2-14B-1480C-H6541-	DPCo.	None	None	None	UNK	Corrected	NO
Bolting at 3" flanges	UNK	None	None	None	UNK	Installed	NO
Bolting at 5" flanges	UNK	None	None	None	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
1776351	3 of 3

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

❶ S/R 2-14B-1480C-6541, replaced 1/2"x3" U-bolts, 1/4"x1" U-bolts and 3'3" of 3"x3"x3/8" angle

❷ Replaced 5/8" studs and 5/8" nuts on 3" flanges

❸ Replaced 3/4" studs and 3/4" nuts on 5" flanges

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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 6/7/10

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 7-21-08 to 8-3-10, 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 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 8/3/10

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
01828441-01, -06	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** 5/17/2010

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 , 2A2 RCP Motor Lower Air Cooler , ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 67 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)
2A2 RCP Motor Lower Air Cooler	UNK	15609-01-2	None	None	UNK	Removed	NO
❶ 2A2 RCP Motor Lower Air Cooler	Thermal Engineering (TEi)	08L-053-7	None	Cat ID 863388 UTC# 0001934225	2009	Installed	NO

7. Description of Work

The 2A2 RCP Motor Lower Air Cooler was replaced, in its entirety, with a new Air Cooler as part of equipment reliability and aging management maintenance. No pressure boundary bolting was replaced.

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
01828441-01, -06	2 of 2

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

❶ The existing 2A2 RCP Motor Lower Air Cooler was removed and replaced with a new Air Cooler. The new Air Cooler is Duke Energy Catalog ID # 863388, UTC # 0001934225.

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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 Batton, Engineer Date 5/17/2010

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 4-26-10 to 8-30-10, 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 NBBC 13

National Board, State, Province, and Endorsements

Date 8/30/10

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
01828443-01, -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: 5/17/2010

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 , 2A2 RCP Motor Upper Air Cooler , ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 67 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)
2A2 RCP Motor Upper Air Cooler	UNK	15609-01-1	None	None	UNK	Removed	NO
❶ 2A2 RCP Motor Upper Air Cooler	Thermal Engineering (TEi)	08L-053-8	None	Cat ID 863388 UTC# 0001934399	2009	Installed	NO

7. Description of Work

The 2A2 RCP Motor Upper Air Cooler was replaced, in its entirety, with a new Air Cooler as part of equipment reliability and aging management maintenance. No pressure boundary bolting was replaced.

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
01828441-01, -06	2 of 2

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

❶ The existing 2A2 RCP Motor Upper Air Cooler was removed and replaced with a new Air Cooler. The new Air Cooler is Duke Energy Catalog ID # 863388, UTC # 0001934399.

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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 Batton, Engineer Date 5/17/2010

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 4-26-10 to 8-30-10, 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 NIAB C 15

National Board, State, Province, and Endorsements

Date 8/30/10

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 Smith / Engineer III Date 5/23/10

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 8/28/09 to 8/3/10, 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 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 15

National Board, State, Province, and Endorsements

Date 8/3/10

FLOWSERVE

Flow Control Division – Raleigh Operations
1900 S. Saunders St. Raleigh, NC 27603
Phone: (919) 832-0525
Fax: (919) 831-3369

DUKE POWER COMPANY
QA RECORDS APPROVED
QA REPRESENTATIVE
DATE 01-24-08

CERTIFICATE OF COMPLIANCE/CONFORMANCE

CUSTOMER: DUKE ENERGY CAROLINAS, LLC DATE: 12/28/2007

CUSTOMER P.O. NO.: 00091221 SALES ORDER NO.: 45483

EQUIPMENT: 1"- 1878 Y-Globe Bellows Valve
DWG: W9925263 Rev. A

SO ITEM	QTY	DESCRIPTION	FLOWSERVE PART NUMBER (Numbers in parentheses represent internal Raleigh tracking numbers)
003	11	1"- 1878 Y-Globe Bellows Valve DE ITEM NUMBER: 09J-2006 Part: 09J-2006 MODEL: 2001 CAT ID 0000458967 PO ITEM 0003 VALVE S/N: 74BKE, 76BKE thru 85BKE	04000840(4548303)

This is to certify that the valves listed above have been manufactured, inspected and prepared for shipment in accordance with the requirements of the purchase order, including all referenced documents and any other controlled correspondence. The valves meet the requirements of ASME Section III, 1986 Edition, No Addenda, Class 1. This is also to certify that the parts were processed in accordance with Flowserve Quality Assurance Manual, Revision 33 dated 9/7/06, which complies with the requirements of ASME Section III, NCA4000, latest Edition/Addenda, 10CFR50 Appendix B, and 10CFR21. The part number listed above is equivalent in fit, form and function to the item previously supplied. The material meets the requirements of Flowserve Specification SMALL VLV.ADV Rev. G and Duke Seismic Specification ECV-0601.00-00-0003 Rev. 1 dated 9/30/96. The NDE conforms to the Design Specification and was performed by ASNT qualified operators. The material has been cleaned in accordance with ANSI N45.2.1 Level C and packaged in accordance with ANSI N45.2.2 Level C.

FLOWSERVE CORPORATION
Flow Control Division

Ben Whysall
Quality Assurance Engineer Associate
(919) 831-3303
bwhysall@flowserve.com

Date: 12/28/07

1901034 -THRU- 1901044

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Flowserve Corporation, 1900 South Saunders St. Raleigh, NC 27603
(name and address of N Certificate Holder)

2. Manufactured for Duke Energy PO Box 37925 Charlotte, NC 28237
(name and address of Purchaser)

3. Location of installation Catawba Site 4800 Concord Rd. York, SC 29745
(name and address)

4. Model No., Series No., or Type 1878 Drawing W9925263 Rev. A CRN N/A

5. ASME Code, Section III, Division 1: 1986 (edition) | No Addenda (addenda date) | 1 (class) | N/A (Code Case no.)

6. Pump or valve Valve Nominal inlet size 1 (in.) Outlet size 1 (in.)

7. Material:
(a) valve Body SA351-CF8M Bonnet SA479-316 Disk AS64-630-H1075 Bolting N/A
(b) pump Casing _____ Cover _____ Bolting _____

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body/Casing Serial No.	(d) Bonnet/Cover Serial No.	(e) Disk Serial No.
74BKE	1982	N8310-1	92D4-1-1	0E63
76BKE	1983	N8310-3	92D4-1-3	0E63
77BKE	1984	N8310-4	92D4-1-4	0E63
78BKE	1985	N8310-5	92D4-1-5	0E63
79BKE	1986	N8310-6	92D4-1-6	0E63
80BKE	1987	N8310-7	92D4-1-7	0E63
81BKE	1988	N8310-8	92D4-1-8	0E63
82BKE	1989	N8310-9	92D4-1-9	0E63
83BKE	1990	N8310-10	92D4-1-10	0E63
84BKE	1991	N8310-11	92D4-1-11	0E63
85BKE	1992	N8310-12	92D4-1-12	0UB5

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1901034 -THRU- 1901044

2

FORM NPV-1 (Back — Pg. 2 of 2)

74BKE,
76BKE thru 85BKE

Certificate Holder's Serial No. _____

8. Design conditions 2735 (pressure) psi 680 (temperature) °F or valve pressure class 1878

9. Cold working pressure 4507 psi at 100°F

10. Hydrostatic test 6775 psi. Disk differential test pressure 4975 psi

11. Remarks: Sales Order 45483 Item 003
Gasket Retainer material SA564-630-H1075, heat code G11116-15 thru 18 & 198 1 thru 8

CERTIFICATION OF DESIGN

Design Specification certified by F. A. Bensinger P.E. State PA Reg. no. PE-31002-E

Design Report certified by R.S. Farrell P.E. State NC Reg. no. D28656

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-09

Date 12/28/07 Name Flowserve Corporation (N Certificate Holder) Signed _____ (authorized representative)

CERTIFICATE OF 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 NC and employed by HSB CT of Hartford, CT have inspected the pump, or valve, described in this Data Report on 12/28/07, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 12/28/07 Signed _____ (Authorized Nuclear Inspector) Commissions NC#1421 NB#11666NBAI (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

3

1901034-THRU-1901044

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
01881020-04	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: 5/7/2010

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

Unit 2 SSF Reactor Coolant Makeup Pump 10 gallon accmulator, ASME Class 2

5.

(a) Applicable Construction Code: ASME Section III 19 74 Edition, 1975 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)
Bag & Gas Valve Assy.	PARKER	UNK	UNK	UNK	UNK	Removed	NO
Bag & Gas Valve Assy.	PARKER	UNK	UNK	P/N#705599	UNK	Installed	NO

7. Description of Work

The work being completed involves replacing the bag & gas valve asssembly for the SSF RCMUP 10 gallon accumulator and installing a new assembly.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other SSF RCMUP 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
01881020-04	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 [signature] Date 5-7-10

Owner or Owner's Designee, Title ENGINEER

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 7-26-10 to 8-12-10, 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 NIABC IS

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

Date 8-12-10

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
01927419	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: 6/7/2010

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

Low 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)
1) 2LP-40 Enclosure	DEC	None	None	None	2010	Installed	NO

7. Description of Work

EC103904, Remove operator from 2LP-40 and install an enclosure to capture leakage. This is a temporary modification.

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
01927419	2 of 2

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

❶ Enclosure was made from QA-1 bar stock, pipe, and bolting. Operator for valve was removed and enclosure installed. This enclosure is considered to be a vessel.

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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 6/7/10

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 5-24-10 to 8-12-10, 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 IS

National Board, State, Province, and Endorsements

Date 8-12-10

6.0 *Pressure Testing*

Section 6 of this report contains a pressure test completion status for the examinations required during refueling outage EOC25 and the examinations required during the second period and the third period of the fourth ten-year interval. There was no through-wall leakage observed during any of these pressure tests.

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 EOC25.

Table 6-1 Detailed Class 1 Listing

Zone Number	Boundary Dwg	EOC25 Completion Status	EOC25 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	11/16/11	None
OZ2L-1AA	O-ISIL4-101A-2.4	Complete	11/16/11	None
OZ2L-1V	O-ISIL4-100A-2.0	Complete	11/16/11	None
OZ2L-1Z	O-ISIL4-101A-2.4	Complete	11/16/11	None
OZ2L-16	O-ISIL4-101A-2.4	Complete	11/15/11	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 ended 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	Complete	08/10/10	None
4	IZ2L-13	O-ISIL4-101A-2.3	Complete	03/24/10	None
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

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
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	Complete	08/31/11	None
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	Complete	03/04/11	None
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	Complete	08/03/10	None
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
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

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
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	10/25/08	None
38	OZ2L-31B	O-ISIL4-102A-2.3	Complete	10/25/08	None
39	OZ2L-31C	O-ISIL4-102A-2.3	Complete	10/25/08	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
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	Complete	05/28/10	None

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
43	OZ2L-44 (continued)	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

Table 6-3 shows the completion data of the Class 2 (Category C-H) leakage tests zones required for the 3rd Inspection Period which ends 09/09/2014.

Table 6-3 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	10/21/11	N-566-2
2	IZ2L-11	O-ISIL4-101A-2.3	Complete	10/21/11	None
3	IZ2L-12	O-ISIL4-101A-2.3 O-ISIL4-101A-2.4	Not Yet Tested	N/A	N/A
4	IZ2L-13	O-ISIL4-101A-2.3	Not Yet Tested	N/A	N/A
5	IZ2L-14A	O-ISIL4-101A-2.3	Complete	10/22/11	None
6	IZ2L-14B	O-ISIL4-101A-2.3	Complete	10/22/11	None
7	IZ2L-20	O-ISIL4-101A-2.3	Not Yet Tested	N/A	N/A

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
8	IZ2L-22	O-ISIL4-101A-2.3 O-ISIL4-102A-2.1 O-ISIL4-102A-2.2 O-ISIL4-104A-1.2	Not Yet Tested	N/A	N/A
9	IZ2L-24	O-ISIL4-102A-2.1 O-ISIL4-103A-2.1	Not Yet Tested	N/A	N/A
10	IZ2L-25	O-ISIL4-102A-2.1 O-ISIL4-103A-2.1	Not Yet Tested	N/A	N/A
11	IZ2L-27A	O-ISIL4-102A-2.1 O-ISIL4-102A-2.2	Complete	11/14/11	N-566-2
12	IZ2L-27B	O-ISIL4-102A-2.2	Complete	11/14/11	N-566-2
13	IZ2L-4	O-ISIL4-101A-2.1	Not Yet Tested	N/A	N/A
14	IZ2L-41	O-ISIL4-109A-1.1	Not Yet Tested	N/A	N/A
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	Not Yet Tested	N/A	N/A
16	IZ2L-5	O-ISIL4-101A-2.1 O-ISIL4-101A-2.3	Not Yet Tested	N/A	N/A
17	IZ2L-60	O-ISIL4-124B-2.2 O-ISIL4-124B-2.4	Not Yet Tested	N/A	N/A
18	OZ2L-14B	O-ISIL4-101A-2.4	Complete	10/22/11	None
19	OZ2L-15	O-ISIL4-101A-2.4	Not Yet Tested	N/A	N/A
20	OZ2L-16	O-ISIL4-101A-2.4	Complete	11/15/11	None
21	OZ2L-17	O-ISIL4-101A-2.2	Complete	11/15/11	None
22	OZ2L-17B	O-ISIL4-101A-2.2	Complete	11/11/11	None
23	OZ2L-18	O-ISIL4-101A-2.2	Complete	11/15/11	None
24	OZ2L-19A	O-ISIL4-104A-1.1 O-ISIL4-101A-2.5	Incomplete	11/07/11	None
25	OZ2L-19B	O-ISIL4-101A-2.5	Complete	11/07/11	None

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
26	OZ2L-1A	O-ISIL4-101A-2.1 O-ISIL4-101A-2.5	Complete	11/16/11	None
27	OZ2L-2	O-ISIL4-101A-2.1 O-ISIL4-101A-2.4 O-ISIL4-101A-2.5	Complete	11/16/11	None
28	OZ2L-21	O-ISIL4-102A-2.1 O-ISIL4-102A-2.2 O-ISIL4-104A-1.2	Complete	11/14/11	N-566-2
29	OZ2L-23	O-ISIL4-101A-2.2 O-ISIL4-102A-2.1 O-ISIL4-102A-2.2	Complete	11/14/11	N-566-2
30	OZ2L-26	O-ISIL4-102A-2.2	Complete	11/14/11	N-566-2
31	OZ2L-28	O-ISIL4-102A-2.2	Partial	11/14/11	N-566-2
32	OZ2L-29	O-ISIL4-102A-2.2	Complete	11/14/11	N-566-2
33	OZ2L-29A	O-ISIL4-102A-2.2 O-ISIL4-102A-2.3	Complete	11/14/11	N-566-2
34	OZ2L-3	O-ISIL4-101A-2.1	Complete	11/16/11	None
35	OZ2L-30	O-ISIL4-102A-2.2	Complete	11/14/11	N-566-2
36	OZ2L-30A	O-ISIL4-102A-2.2 O-ISIL4-102A-2.3	Complete	11/14/11	N-566-2
37	OZ2L-31A	O-ISIL4-102A-2.3	Not Yet Tested	N/A	N/A
38	OZ2L-31B	O-ISIL4-102A-2.3	Not Yet Tested	N/A	N/A
39	OZ2L-31C	O-ISIL4-102A-2.3	Complete	11/05/11	None
40	OZ2L-39	O-ISIL4-104A-1.1	Not Yet Tested	N/A	N/A
41	OZ2L-42A	O-ISIL4-110A-2.1	Not Yet Tested	N/A	N/A
42	OZ2L-42B	O-ISIL4-110A-2.1	Not Yet Tested	N/A	N/A
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	Incomplete	11/13/11	None

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
43	OZ2L-44 (continued)	O-ISIL4-133A-2.5	Incomplete	11/13/11	None
44	OZ2L-6	O-ISIL4-101A-2.1 O-ISIL4-101A-2.2 O-ISIL4-109A-1.1	Partial	11/15/11	N-566-2
45	OZ2L-6B	O-ISIL4-101A-2.2	Not Yet Tested	N/A	N/A
46	OZ2L-64	O-ISIL4-124B-2.2	Complete	11/16/11	None
47	OZ2L-65	O-ISIL4-124B-2.4	Complete	11/16/11	None
48	OZ2L-7	O-ISIL4-101A-2.2 O-ISIL4-101A-2.3	Complete	11/11/11	None
49	OZ2L-7B	O-ISIL4-101A-2.3 O-ISIL4-102A-2.1 O-ISIL4-102A-2.2	Complete	11/11/11	None
50	OZ2L-9	O-ISIL4-101A-2.3 O-ISIL4-102A-2.1 O-ISIL4-102A-2.2	Complete	10/27/11	N-566-2

Section 6 Prepared By:	Date:
Jim Beaghman	1/5/12

Section 6 Reviewed By:	Date:
	1/9/12

Section 6 Approved By:	Date:
	1/17/12