

INSERVICE INSPECTION REPORT

**DUKE ENERGY CAROLINAS
OCONEE NUCLEAR STATION
UNIT 1
TWENTY-FIFTH REFUELING
OUTAGE**



**Owner's Report
For
INSERVICE INSPECTIONS**

**OCONEE UNIT 1
2009 REFUELING OUTAGE
EOC25 (OUTAGE 4)**

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

NRC Docket No. 50-269

Commercial Service Date: July 15, 1973

Document Completion Date 2-21-10

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

Revision 0

Prepared By:

Randy C. Keith

Date

2-9-2010

Reviewed By:

Sam D. Ambrose

Date

2-10-2010

Approved By:

Michael B.

Date

2-17-2010

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: 1 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date: July 15, 1973 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			_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
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_____	_____	_____	_____	_____

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this 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 212.

FORM NIS-1 (Back)

- 8. Examination Dates June 1, 2008 to December 4, 2009
- 9. Inspection Period Identification: Second Period
- 10. Inspection Interval Identification: Fourth Interval
- 11. Applicable Edition of Section XI 1998 Addenda 2000
- 12. Date/Revision of Inspection Plan: January 26, 2008/Revision 1
- 13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. See Sections 2.0, 3.0 and 6.0
- 14. Abstract of Results of Examination and Tests. See Sections 4.0 and 6.0
- 15. Abstract of Corrective Measures. See Subsection 4.3

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

Certificate of Authorization No. (if applicable) NA Expiration Date NA
Date 2/17/2010 Signed Duke Energy Carolinas By [Signature]
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA employed by HSB Global Standards have inspected the components described in this Owner's Report during the period 6-1-08 to 12-4-09, 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 SC 232 NIABC 15
Inspector's Signature National Board, State, Province, and Endorsements
Date 2-21-10

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

DISTRIBUTION LIST

1. Duke Energy Carolinas
Nuclear Technical Services Division
Section XI Inspection Program Section
2. NRC Document Control Desk
3. HSB Global Standards (AIA)
c/o ANII at Oconee

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

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1.0 General Information

This report describes the Inservice Inspection of Duke's Oconee Nuclear Station, Unit 1 EOC 25 (Outage 4 of the fourth interval). This is the second outage in the second inspection period of the Fourth Ten-Year Interval. ASME Section XI, 1998 Edition with the 2000 Addenda, was the governing Code for selection and performing of the ISI examinations.

This report includes 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 Section included which contains completed NIS-2 forms.

1.1 Identification Numbers

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Babcock & Wilcox	620-0003-51-52	N/A	N-101
Reactor Vessel Head (replaced head)	Babcock & Wilcox	068S-01	N/A	202
Steam Generator A	Babcock & Wilcox	006K01	N/A	205
Steam Generator B	Babcock & Wilcox	006K02	N/A	206
Pressurizer	Babcock & Wilcox	620-0003-59	N/A	N-102
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
Vents and Exhaust System	Duke Power	NA	NA	NA

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
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 Energy'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-695 (Qualification Requirements for Dissimilar Metal Piping Welds, Section XI, Division I)

Code Case N-504-2 (Alternative Rules for Repair of Class 1, 2, and 3 Austenitic Stainless Steel Piping)

Code Case N-700 (Alternative Rules for Selection of Classes 1, 2 and 3 Vessel Welded Attachments for Examination Section XI, Division 1) (Categories B-K, C-C, and D-A)

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-685 (Lighting Requirements for Surface Examinations)

PIP Serial Number O-09-08692. This PIP was written to track the corrective action for limited coverage on UT examinations of welds that were inspected during EOC-25 for Unit 1.

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

Request for Relief 04-ON-015 (Allows Duke an Alternative for Volumetric Examinations required for ASME Item B3.160 for the 4th interval.)
(Letdown Cooler Nozzles, Inside Radius Section)

Request for Relief 06-ON-004 (Allows Duke an Alternative for Section XI inspection requirements to support the application of Structural Weld Overlays on Nozzle to SE Welds. (Summary Numbers O1.Q1.1)

2.0 Fourth Ten Year Interval Inspection Status

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

Class 1 Inspections

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	* Deferral Allowed
B-A	Pressure Retaining Welds in Reactor Vessel	13 Welds	0.5 Weld	4%	Yes
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	34 Inspections	63%	Partial
B-F	Pressure Retaining Dissimilar Metal Welds	2 Welds	0 Welds	0%	Yes
B-G-1	Pressure Retaining Bolting Greater than 2 Inches in Diameter	125 Items	83.66 Items	67%	Yes
B-G-2	Pressure Retaining Bolting 2 Inches and Less in Diameter	22 Items	16 Items	73%	No
B-J	Pressure Retaining Welds in Piping	151 Welds **	104 Welds	69%	No
B-K	Welded Attachments for Vessels, Piping, Pumps and Valves	9 ***	5	56%	No

* Deferral of inspection to the end of the interval as allowed by ASME Section XI Tables IWB and IWC 2500-1.

** The total of 165 welds for Category B-J that was listed in the EOC-24 Inservice Inspection Report was changed to 151 welds for the EOC-25 report because 4 welds had weld overlay performed on them and are no longer in Category B-J. The four welds will be examined per Appendix Q in the future. Ten welds were removed from the inspection schedule due to the adoption of Code Case N-609.

*** The total of 10 attachments for category B-K that was listed in the EOC-24 Inservice Inspection Report was changed to 9 attachments for the EOC-25 report because 1 welded attachment was removed from the examination schedule because the attachment was not welded.

Class 1 Inspections (Continued)

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	* Deferral Allowed
B-L-1	Pressure Retaining Welds in Pump Casings	1 Weld	1 Weld	100%	Yes
B-L-2	Pump Casings	1 Casing	0 Casing	0%	Yes
B-M-1	Pressure Retaining Welds in Valve Bodies	1 Valve Body Weld	1 Valve Body Weld	100%	Yes
B-M-2	Valve Bodies	3 Valves	1 Valves	33%	Yes
B-N-1	Interior of Reactor Vessel	3 Inspections	2 Inspection	67%	No
B-N-2	Welded Core Support Structures and Interior Attachments to Reactor Vessels	1 Inspection	0 Inspections	0%	Yes
B-N-3	Removable Core Support Structures	1 Inspection	0 Inspections	0%	Yes
B-O	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 & F1.040 items.	Class 1 Component Supports (Except Snubbers)	37 Supports	23 Supports	62%	No
F-A F1.050 items	Class 1 Component Supports, Snubbers				**
Q-A	Class 1 Weld Overlay per Appendix Q	2 Welds	0 Welds	0%	***

* Deferral of inspection to the end of the interval as allowed by ASME Section XI Tables IWB and IWC 2500-1.

** Inspected under Selected License Commitment 16.9.18 per Relief Request 03-006

*** All weld overlays are scheduled and examined per Appendix Q

Class 2 Inspections

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	* Deferral Allowed
C-A	Pressure Retaining Welds in Pressure Vessels	11 Welds	8 Welds	73%	No
C-B	Pressure Retaining Nozzle Welds in Vessels	4 Welds	2 Welds	50%	No
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	37 Attachments	25 Attachments	68%	No
C-D	Pressure Retaining Bolting Greater Than 2 Inches in Diameter	2 Items	1 Items	50%	No
C-F-1	Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping	184 Welds	110 Welds	60%	No
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	74 Welds	45.5 Welds	61%	No
C-G	Pressure Retaining Welds in Pumps and Valves	N/A	N/A	N/A	N/A
C-H	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT			
F-A F1.020 & F1.040 items	Class 2 Component Supports (Except Snubbers)	138 Supports	89 Supports	64%	No
F-A F1.050 items	Class 2 Component Supports, Snubbers				**

* Deferral of inspection to the end of the interval as allowed by ASME Section XI Tables IWB and IWC 2500-1.

** Inspected under Selected License Commitment 16.9.18 per Relief Request 03-006

Augmented/Elective Inspections

<i>Item Number</i>	<i>Description</i>	<i>Percentage Complete</i>
O1.B4.30	Head with Nozzles and Partial Penetration Welds, Bare Metal Visual per Code Case N-729-1	None scheduled for EOC 25
O1.B4.40	Head with nozzles and Partial Penetration Welds, Volumetric/Surface exam per Code Case N-729-1	None scheduled for EOC 25
O1.B15.80	Reactor Vessel Bottom Head Bare Metal Visual per Code Case N-722	100% of EOC 25 Requirements
O1.B15.140	Pressurizer, Bare Metal Visual per Code Case N-722	100% of EOC 25 Requirements
O1.B15.210	Hot Leg Full Penetration Weld, Bare Metal Visual per Code Case N-722	100% of EOC 25 Requirements
O1.B15.215	Cold Leg Full Penetration Weld, Bare Metal Visual per Code Case N-722	100% of EOC 25 Requirements
O1.G1.1	Reactor Coolant Pump Flywheel	100% of EOC 25 Requirements
O1.G2.1	HPI Nozzle Safe End Examinations	100% of EOC 25 Requirements
O1.G3.1	Pressurizer Surge Line Examinations	100% of EOC 25 Requirements
O1.G4.1	Thermal Stress Piping (NRC Bulletin 88-08)	100% of EOC 25 Requirements
O1.G12.1	UT Examination per MRP-139	100% of EOC 25 Requirements
O1.G12.2	UT Examination per MRP-139	100% of EOC 25 Requirements
O1.G16.1	UT Examination per MRP-146	None scheduled for EOC 25
O1.H2.1	Class 1 RTE Mounting Bosses	100% of EOC 25 Requirements
O1.H3.1	Main Feedwater Piping in the East and West Penetration Rooms per QA-513J (ER-ONS-04-03)	100% of EOC 25 Requirements
O1.H4.1	Main Feedwater and Main Steam Piping Supports and Attachment Welds per QA-513J (ER-ONS-04-05)	100% of EOC 25 Requirements
O1.H5.1	East Penetration Main Feedwater piping welds and attachments	100% of EOC 25 Requirements
O1.H6.1	Main Feedwater rupture restraint attachment welds	None scheduled for EOC 25

3.0 Final Inservice Inspection Plan

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

DUKE ENERGY
NUCLEAR TECHNICAL SERVICES
Inservice Inspection Database Management System
Database Snapshot
Oconee 1, 4th Interval, Outage 4 (EOC-25)

FOR INFORMATION ONLY!

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.B15.140.0001	1-PZR-HTR PLATES Class 1 50	OM 201-288	NDE-68	VT-2	CS-Inconel		0.000 / 0.000		---
Dissimilar			<p>Nozzle to Safe End</p> <p>Heater Diaphragm Plate to PZR SS Clad welds located on the Pressurizer. (3 welds total) Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector of the PZR welds per the requirements of Code Case N-722. (Item Number B15.140). B15.140 items are to be examined every refueling outage from the start date. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						
O1.B15.140.0002	1-PZR-HTR-SLEEVES Class 1 50	OM 201-288 OM 201-152	NDE-68	VT-2	CS-Inconel		0.000 / 0.000		---
Dissimilar			<p>Nozzle to Safe End</p> <p>PZR heater sleeves to diaphragm welds and SS heater sheath welds located on the Pressurizer. (total of 117 welds) Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector of the PZR welds per the requirements of Code Case N-722. (Item Number B15.140). B15.140 items are to be examined every refueling outage from the start date. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.B15.210.0001	1RC-269-125V Class 1 50	1RC-269 OM 201-0738 OM 201-0181	NDE-68	VT-2	SS-Inconel		0.250 / 1.000		---
Dissimilar			<p>Pipe to Safe End</p> <p>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.</p>						
O1.B15.210.0002	1-50-4-125 Class 1 50	1-50-4(3) OM 201-0181 OM 201-0738	NDE-68	VT-2	SS-Inconel		1.187 / 1.000		---
Dissimilar			<p>Pipe to Safe End</p> <p>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.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.B15.210.0003	1RC-273-143V Class 1 50	1RC-273 OM 201-0181 OM 201-0738	NDE-68	VT-2	SS-Inconel		1.187 / 1.000		---
Dissimilar			<p>Pipe to Safe End</p> <p>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.</p>						
O1.B15.210.0004	1-50-4-143 Class 1 50	1-50-4(1) OM 201-0181 OM 201-0738	NDE-68	VT-2	SS-Inconel		0.250 / 1.000		---
Dissimilar			<p>Pipe to Safe End</p> <p>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.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.B15.210.0005	1-50-4-131 Class 1 50	1-50-4(1) OM 201-0181 OM 201-0738	NDE-68	VT-2	SS-Inconel		0.250 / 1.000		---
Dissimilar			<p>Pipe to Safe End</p> <p>3/4 inch ID HL SB-166 Flowmeter Noz 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.</p>						
O1.B15.210.0006	1-50-4-135 Class 1 50	1-50-4(3) OM 201-0181 OM 201-0738	NDE-68	VT-2	SS-Inconel		0.250 / 1.000		---
Dissimilar			<p>Pipe to Safe End</p> <p>3/4 inch ID HL SB-166 Flowmeter Noz 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.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.B15.210.0007	1-50-4-44A Class 1 50	1-50-4(1) OM 201-0181 OM 201-0738	NDE-68	VT-2	SS-Inconel		0.250 / 1.000		---
Dissimilar			<p>Pipe to Safe End</p> <p>3/4 inch ID HL SB-166 Flowmeter Noz 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.</p>						
O1.B15.210.0008	1-50-4-150 Class 1 50	1-50-4(1) OM 201-0181 OM 201-0738	NDE-68	VT-2	SS-Inconel		0.250 / 1.000		---
Dissimilar			<p>Pipe to Safe End</p> <p>3/4 inch ID HL SB-166 Flowmeter Noz 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.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.B15.210.0009	1-PHA-13 Class 1 50	ISI-OCN1-005 OM-201-2296 OM 201-0181	NDE-68 Description: Pipe to Pipe RTE Mounting Boss SB-166 to 690 Drywell Weld on 1A 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.	VT-2	CS-Inconel		2.875 / 9.000		---
Dissimilar									
O1.B15.210.0010	1-PHA-14 Class 1 50	ISI-OCN1-005 OM-201-2296 OM 201-0181	NDE-68 Description: Pipe to Pipe RTE Mounting Boss SB-166 to 690 Drywell Weld on 1A 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.	VT-2	CS-Inconel		2.875 / 9.000		---
Dissimilar									

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
01.B15.210.0011	1-PHA-15 Class 1 50	ISI-OCN1-005 OM-201-2296 OM 201-0181	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		
Dissimilar			<p>Pipe to Pipe</p> <p>RTE Mounting Boss SB-166 to 690 Drywell Weld on 1A 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.</p>						
01.B15.210.0012	1-PHB-13 Class 1 50	ISI-OCN1-006 OM-201-2296 OM 201-0181	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		
Dissimilar			<p>Pipe to Pipe</p> <p>RTE Mounting Boss SB-166 to 690 Drywell Weld on 1B 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.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
01.B15.210.0013	1-PHB-14 Class 1 50	ISI-OCN1-006 OM-201-2296 OM 201-0181	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		----
Dissimilar			<p>Pipe to Pipe</p> <p>RTE Mounting Boss SB-166 to 690 Drywell Weld on 1B 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.</p>						
01.B15.210.0014	1-PHB-15 Class 1 50	ISI-OCN1-006 OM-201-2296 OM 201-0181	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		----
Dissimilar			<p>Pipe to Pipe</p> <p>RTE Mounting Boss SB-166 to 690 Drywell Weld on 1B 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.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
01.B15.210.0015	1SGA-HL-CON-27								
	Class 1 50	OM-201-0351.001	NDE-68	VT-2	CS-Inconel				----
		O-ISIN4-100A-1.1							
Dissimilar		OM-201-0181.001							
			<p>RTE Hot Leg Thermal Well</p> <p>Steam Generator A Hot Leg Connection # 27 on drawing OM 201-0351.001 and Mark # 10 on drawing OM-201-0181.001 Abandoned RTE Thermal Well Connection</p> <p>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.</p> <p>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.</p> <p>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.</p>						
01.B15.210.0016	1SGB-HL-CON-36								
	Class 1 50	OM-201-0351.001	NDE-68	VT-2	CS-Inconel				----
		O-ISIN4-100A-1.1							
Dissimilar		OM-201-0181.001							
			<p>RTE Hot Leg Thermal Well</p> <p>Steam Generator B Hot Leg Connection # 36 on drawing OM 201-0351.001 and Mark # 10 on drawing OM-201-0181.001 Abandoned RTE Thermal Well Connection</p> <p>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.</p> <p>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.</p> <p>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.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
01.B15.215.0003	1-PIB1-11 Class 1 50	ISI-OCN1-009 O-ISIN4-100A-1.1 OM-201-595	NDE-68	VT-2	CS-Inconel		0.672 / 3.500		---
Dissimilar Stress Weld			<p>Nozzle to Safe End</p> <p>Reactor Coolant Pump 1B1 Suction Piping. Drain Nozzle Pc. 87 to Safe End Pc. 88. Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This item is to be examined once per interval. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						
01.B15.215.0004	1-51A-07-7E Class 1 51A	1-51A-07(1) O-ISIN4-100A-1.1 ISI-OCN1-009	NDE-68	VT-2	SS-Inconel		0.375 / 2.500		---
Dissimilar Stress Weld			<p>Safe End to Elbow</p> <p>Reactor Coolant Pump 1B1 Suction Piping. Safe End Pc. 88 to Elbow. 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.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
01.B15.215.0005	1-PIA1-7 Class 1 50	ISI-OCN1-007 O-ISIN4-100A-1.1 OM-201-1845	NDE-68	VT-2	SS-CS		2.330 / 33.500		----
Dissimilar Stress Weld			<p>Transition Piece to Pipe</p> <p>Reactor Coolant Pump 1A1 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215. 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.</p>						
01.B15.215.0006	1-PIA2-7 Class 1 50	ISI-OCN1-008 O-ISIN4-100A-1.1 OM-201-1845	NDE-68	VT-2	SS-CS		2.330 / 33.500		----
Dissimilar Stress Weld			<p>Transition Piece to Pipe</p> <p>Reactor Coolant Pump 1A2 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215. 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.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.B15.215.0007	1-PIB1-7 Class 1 50	ISI-OCN1-009 O-ISIN4-100A-1.1 OM-201-1845	NDE-68	VT-2	SS-CS		2.330 / 33.500		---
Dissimilar Stress Weld			<p>Transition Piece to Pipe</p> <p>Reactor Coolant Pump 1B1 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215. 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.</p>						
O1.B15.215.0008	1-PIB2-7 Class 1 50	ISI-OCN1-010 O-ISIN4-100A-1.1 OM-201-1845	NDE-68	VT-2	SS-CS		2.330 / 33.500		---
Dissimilar Stress Weld			<p>Transition Piece to Pipe</p> <p>Reactor Coolant Pump 1B2 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215. 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.</p>						

FOR INFORMATION ONLY!
Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.B15.215.0009	1-PDA1-2 Class 1 50	ISI-OCN1-011 O-ISIN4-100A-1.1 OM-201-1844	NDE-68	VT-2	SS-CS		2.330 / 33.500		---
Dissimilar Stress Weld			<p>Safe End to Elbow</p> <p>Reactor Coolant Pump 1A1 Discharge Piping. Safe End Pc. 213 to 13 Degree Elbow Pc. 212. 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.</p>						
O1.B15.215.0028	1-PIA2-12 Class 1 50	ISI-OCN1-008 OM-201-1845	NDE-68	VT-2	CS-Inconel		2.250 / 8.750		---
Dissimilar			<p>Pipe Salvaged to Pipe</p> <p>RTE Mounting Pipe (Piece 58 to Piece 215). This weld is located at the Z-W Quadrant on Pump 1A2 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.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
01.B15.215.0031	1SGA-1A1-SUCT-CON-3								
	Class 1 50	OM-201-0351.001	NDE-68	VT-2	CS-Inconel				---
		O-ISIN4-100A-1.1							
Dissimilar		OM-201-0181.001							
<p>Pump 1A1 Suction Piping /RTE Thermal Well</p> <p>Pump 1A1 Suction Piping/ Connection # 3 on drawing OM 201-0351.001 and Mark # 11 on drawing OM-201-0181.001</p> <p>Abandoned RTE Thermal Well Connection</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage."</p> <p>This item is to be examined once per interval.</p> <p>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>									
01.B15.215.0032	1SGA-1A2-SUCT-CON-7								
	Class 1 50	OM-201-0351.001	NDE-68	VT-2	CS-Inconel				---
		O-ISIN4-100A-1.1							
Dissimilar		OM-201-0181.001							
<p>Pump 1A2 Suction Piping /RTE Thermal Well</p> <p>Pump 1A2 Suction Piping/ Connection # 7 on drawing OM 201-0351.001 and Mark # 11 on drawing OM-201-0181.001</p> <p>Abandoned RTE Thermal Well Connection</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage."</p> <p>This item is to be examined once per interval.</p> <p>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>									

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
01.B15.215.0033	1SGB-1B1-SUCT-CON-11 Class 1 50	OM-201-0351.001 O-ISIN4-100A-1.1 OM-201-0181.001	NDE-68	VT-2	CS-Inconel				
Dissimilar			<p>Pump 1B1 Suction Piping /RTE Thermal Well</p> <p>Pump 1B1 Suction Piping/ Connection # 11 on drawing OM 201-0351.001 and Mark # 11 on drawing OM-201-0181.001 Abandoned RTE Thermal Well Connection</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage."</p> <p>This item is to be examined once per interval.</p> <p>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						
01.B15.215.0034	1SGB-1B2-SUCT-CON-14 Class 1 50	OM-201-0351.001 O-ISIN4-100A-1.1 OM-201-0181.001	NDE-68	VT-2	CS-Inconel				
Dissimilar			<p>Pump 1B2 Suction Piping /RTE Thermal Well</p> <p>Pump 1B2 Suction Piping/ Connection # 14 on drawing OM 201-0351.001 and Mark # 11 on drawing OM-201-0181.001 Abandoned RTE Thermal Well Connection</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage."</p> <p>This item is to be examined once per interval.</p> <p>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.B15.80.0001	1-RPV-BMI-NOZZLES Class 1 50	O-ISIN4-100A-1.1	NDE-68	VT-2	CS/Alloy 690		0.000 / 0.000		---
Dissimilar			<p>RPV Bottom Head BMI Nozzles</p> <p>Per the requirements of 10 CFR 50.55a(g)(6)(ii)(E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector of the BMI Nozzles per the requirements of Code Case N-722. (Item Number B15.80).</p> <p>B15.80 items, bare metal visual examinations are on the reactor vessel bottom head, bottom mounted instrument nozzles and alloy 600 transition weld between the alloy 600 tube and the stainless steel tube.</p> <p>B15.80 items are to be examined every other refueling outage from the start date.</p> <p>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.</p> <p>Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage."</p> <p>Procedure NDE-68 in conjunction with MP/O/A/1150/030 should be used to perform the Bare Metal Visual inspection.</p> <p>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						
O1.G1.1.0001	1-RCP-1A1 Class 1 50	OM-201D-38	NDE-900	UT	CS		9.500 / 72.000		G01.001.001, G01.001.001A
Circumferential			<p>Reactor Coolant Pump 1A1 Flywheel. The complete volume of the flywheel shall be examined by UT at approximately 3 year intervals. Reference Section 7 of the ISI Plan, General Requirements. -(G01.001.001A)When maintenance or repair activities require removal of the flywheel, a surface examination of exposed surfaces and a complete volumetric examination shall be performed if the interval measured from the previous such inspection is greater than 6 2/3 years. Reference Section 7 of the ISI Plan, General Requirements.</p>						
O1.G1.1.0002	1-RCP-1A2 Class 1 50	OM-201D-38	NDE-900	UT	CS		9.500 / 72.000		G01.001.002, G01.001.002A
Circumferential			<p>Reactor Coolant Pump 1A2 Flywheel. The complete volume of the flywheel shall be examined by UT at approximately 3 year intervals. Reference Section 7 of the ISI Plan, General Requirements. -(G01.001.002A)When maintenance or repair activities require removal of the flywheel, a surface examination of exposed surfaces and a complete volumetric examination shall be performed if the interval measured from the previous such inspection is greater than 6 2/3 years. Reference Section 7 of the ISI Plan, General Requirements.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.G1.1.0003	1-RCP-1B1 Class 1 50	OM-201D-38	NDE-900	UT	CS		9.500 / 72.000		G01.001.003, G01.001.003A
Circumferential	<p>Reactor Coolant Pump 1B1 Flywheel. The complete volume of the flywheel shall be examined by UT at approximately 3 year intervals. Reference Section 7 of the ISI Plan, General Requirements. -(G01.001.003A)When maintenance or repair activities require removal of the flywheel, a surface examination of exposed surfaces and a complete volumetric examination shall be performed if the interval measured from the previous such inspection is greater than 6 2/3 years. Reference Section 7 of the ISI Plan, General Requirements.</p>								
O1.G1.1.0004	1-RCP-1B2 Class 1 50	OM-201D-38	NDE-900	UT	CS		9.500 / 72.000		G01.001.004, G01.001.004A
Circumferential	<p>Reactor Coolant Pump 1B2 Flywheel. The complete volume of the flywheel shall be examined by UT at approximately 3 year intervals. Reference Section 7 of the ISI Plan, General Requirements. -(G01.001.004A)When maintenance or repair activities require removal of the flywheel, a surface examination of exposed surfaces and a complete volumetric examination shall be performed if the interval measured from the previous such inspection is greater than 6 2/3 years. Reference Section 7 of the ISI Plan, General Requirements.</p>								
O1.G12.1.0005	1-PDB1-11 Class 1 51A	ISI OCN1-013 OM-201-597	PDI-UT-10	UT	SS-Inconel		0.750 / 3.500	40416	G12.001.005
Circumferential Dissimilar	<p>Nozzle to Safe End 1B1 HPI Nozzle Pc. 46 to Safe End Pc. 47. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 5 years between examinations.</p>								
O1.G12.1.0006	1-PDB2-11 Class 1 51A	ISI OCN1-014 OM-201-597	PDI-UT-10	UT	SS-Inconel		0.750 / 3.500	40416	G12.001.006
Circumferential Dissimilar	<p>Nozzle to Safe End 1B2 HPI Nozzle Pc. 46 to Safe End Pc. 47. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 5 years between examinations.</p>								

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

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									
O1.G12.1.0007	1-PDA1-11 Class 1 51A	ISI OCN1-011 OM-201-597	PDI-UT-10	UT	SS-Inconel		0.750 / 3.500	40416	G12.001.007
Circumferential Dissimilar			Nozzle to Safe End 1A1 Make-Up Nozzle Pc. 46 to Safe End Pc. 47. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 5 years between examinations.						
O1.G12.1.0008	1-PDA2-11 Class 1 51A	ISI OCN1-012 OM-201-597	PDI-UT-10	UT	SS-Inconel		0.750 / 3.500	40416	G12.001.008
Circumferential Dissimilar			Nozzle to Safe End 1A2 Make-Up Nozzle Pc. 46 to Safe End Pc. 47. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 5 years between examinations.						
O1.G12.2.0001	1-RPV-WR53 Class 1 50	ISI-OCN1-001 O-ISIN4-100A-1.1	54-ISI-823	UT	SS-CS		1.688 / 15.625	8034675	G12.002.001
Circumferential Terminal End Dissimilar			Nozzle to Safe End RV A-Side Core Flood Nozzle Pc. 17 to Core Flood Nozzle Safe End Pc. 89. W-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.						
O1.G12.2.0002	1-RPV-WR53A Class 1 50	ISI-OCN1-001 O-ISIN4-100A-1.1	54-ISI-823	UT	SS-CS		1.688 / 15.625	8034675	G12.002.002
Circumferential Terminal End Dissimilar			Nozzle to Safe End RV B-Side Core Flood Nozzle Pc. 17 to Core Flood Nozzle Safe End Pc. 89. Y-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
01.G12.2.0005	1-PIA1-7 Class 1 50	ISI-OCN1-007 O-ISIN4-100A-1.1 OM-201-1845	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.005
	Circumferential Dissimilar Stress Weld		Transition Piece to Pipe Reactor Coolant Pump 1A1 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.						
01.G12.2.0006	1-PIA2-7 Class 1 50	ISI-OCN1-008 O-ISIN4-100A-1.1 OM-201-1845	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.006
	Circumferential Dissimilar Stress Weld		Transition Piece to Pipe Reactor Coolant Pump 1A2 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.						
01.G12.2.0007	1-PIB1-7 Class 1 50	ISI-OCN1-009 O-ISIN4-100A-1.1 OM-201-1845	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.007
	Circumferential Dissimilar Stress Weld		Transition Piece to Pipe Reactor Coolant Pump 1B1 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.G12.2.0008	1-PIB2-7 Class 1 50	ISI-OCN1-010 O-ISIN4-100A-1.1	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.008
	Circumferential Dissimilar Stress Weld	OM-201-1845	<p>Transition Piece to Pipe</p> <p>Reactor Coolant Pump 1B2 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.</p>						
O1.G12.2.0009	1-PDA1-2 Class 1 50	ISI-OCN1-011 O-ISIN4-100A-1.1	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.009
	Circumferential Dissimilar Stress Weld	OM-201-1844	<p>Safe End to Elbow</p> <p>Reactor Coolant Pump 1A1 Discharge Piping. Safe End Pc. 213 to 13 Degree Elbow Pc. 212. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.</p>						
O1.G12.2.0010	1-PDA2-2 Class 1 50	ISI-OCN1-012 O-ISIN4-100A-1.1	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.010
	Circumferential Dissimilar Stress Weld	OM-201-1844	<p>Safe End to Elbow</p> <p>Reactor Coolant Pump 1A2 Discharge Piping. Safe End Pc. 213 to 13 Degree Elbow Pc. 212. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
01.G12.2.0011	1-PDB1-2 Class 1 50	ISI-OCN1-013 O-ISIN4-100A-1.1 OM-201-1845	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.011
	Circumferential Dissimilar Stress Weld		Safe End to Elbow Reactor Coolant Pump 1B1 Discharge Piping. Safe End Pc. 213 to 13 Degree Elbow Pc. 212. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.						
01.G12.2.0012	1-PDB2-2 Class 1 50	ISI-OCN1-014 O-ISIN4-100A-1.1 OM-201-1844	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.012
	Circumferential Dissimilar Stress Weld		Safe End to Elbow Reactor Coolant Pump 1B2 Discharge Piping. Safe End Pc. 213 to 13 Degree Elbow Pc. 212. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.						
01.G2.1.0001	1-PDB1-46 Class 1 51A	ISI OCN1-013 OM-201-597	NDE-680	UT	CS		2.500 / 3.500	40410 40350	G02.001.005C
			1B1 HPI Nozzle Pc. 46. Perform UT on the nozzle inside radius (knuckle area). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.						
01.G2.1.0002	1-PDA2-46 Class 1 51A	ISI OCN1-012 OM-201-597	NDE-680	UT	CS		2.500 / 3.500	40410 40350	G02.001.005B
			1A2 Make-Up Nozzle Pc. 46. Perform UT on the nozzle inside radius (knuckle area). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.G2.1.0003	1-PDA1-46 Class 1 51A	ISI OCN1-011 OM-201-597	NDE-680	UT	CS		2.500 / 3.500	40410 40350	G02.001.005A
1A1 Make-Up Nozzle Pc. 46. Perform UT on the nozzle inside radius (knuckle area). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.									
O1.G2.1.0004	1-PDB2-46 Class 1 51A	ISI OCN1-014 OM-201-597	NDE-680	UT	CS		2.500 / 3.500	40410 40350	G02.001.005D
1B2 HPI Nozzle Pc. 46. Perform UT on the nozzle inside radius (knuckle area). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.									
O1.G2.1.0005	1-PDA1-11 Class 1 51A	ISI OCN1-011 OM-201-597	PDI-UT-10	UT	SS-Inconel		0.750 / 3.500	40416	G02.001.006A
Circumferential Dissimilar	Nozzle to Safe End 1A1 Make-Up Nozzle Pc. 46 to Safe End Pc. 47. Perform UT on the nozzle to safe end weld. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.								
O1.G2.1.0006	1-PDA2-11 Class 1 51A	ISI OCN1-012 OM-201-597	PDI-UT-10	UT	SS-Inconel		0.750 / 3.500	40416	G02.001.006B
Circumferential Dissimilar	Nozzle to Safe End 1A2 Make-Up Nozzle Pc. 46 to Safe End Pc. 47. Perform UT on the nozzle to safe end weld. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.								
O1.G2.1.0007	1-PDB2-11 Class 1 51A	ISI OCN1-014 OM-201-597	PDI-UT-10	UT	SS-Inconel		0.750 / 3.500	40416	G02.001.006D
Circumferential Dissimilar	Nozzle to Safe End 1B2 HPI Nozzle Pc. 46 to Safe End Pc. 47. Perform UT on the nozzle to safe end weld. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.								

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.G2.1.0008	1-PDB1-11 Class 1 51A	ISI OCN1-013 OM-201-597	PDI-UT-10	UT	SS-Inconel		0.750 / 3.500	40416	G02.001.006C
Circumferential Dissimilar			Nozzle to Safe End 1B1 HPI Nozzle Pc. 46 to Safe End Pc. 47. Perform UT on the nozzle to safe end weld. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.						
O1.G2.1.0009	1-PDA1-47 Class 1 51A	ISI OCN1-011 OM-201-597	PDI-UT-10	UT	SS		0.750 / 3.500	40416	G02.001.007A
			Safe End Pc. 47 adjoining Make-Up Nozzle 1A1. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.						
O1.G2.1.0010	1-PDB2-47 Class 1 51A	ISI OCN1-014 OM-201-597	PDI-UT-10	UT	SS		0.750 / 3.500	40416	G02.001.007D
			Safe End Pc. 47 adjoining HPI Nozzle 1B2. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.						
O1.G2.1.0011	1-PDB1-47 Class 1 51A	ISI OCN1-013 OM-201-597	PDI-UT-10	UT	SS		0.750 / 3.500	40416	G02.001.007C
			Safe End Pc. 47 adjoining HPI Nozzle 1B1. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.						
O1.G2.1.0012	1-PDA2-47 Class 1 51A	ISI OCN1-012 OM-201-597	PDI-UT-10	UT	SS		0.750 / 3.500	40416	G02.001.007B
			Safe End Pc. 47 adjoining Make-Up Nozzle 1A2. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.G2.1.0013	1RC-200-161 Class 1 51A	1RC-200 O-ISIN 100A-1.1	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G02.001.008B
Circumferential			<p>Safe End to Pipe Safe End Pc. 47 adjoining Make-Up Nozzle 1A2. Perform UT on weld 1RC-200-161 and adjoining base metal out to weld 1RC-200-160 (at valve 1HP-126). This schedule cannot be changed. Revision 2 changed weld number from 1RC-200-7. Inspect with G04.001.031. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.</p>						
O1.G2.1.0014	1RC-201-101 Class 1 51A	1RC-201 O-ISIN4-100A-1.1	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G02.001.008C
			<p>Safe End to Pipe Safe End Pc. 47 adjoining HPI Nozzle 1B1. Perform UT on weld 1RC-201-101 and adjoining base metal out to weld 1RC-201-97 (at valve 1HP-153). This schedule cannot be changed. Revision 2 changed weld number from 1-51A-11-89. Inspect with G04.001.003. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.</p>						
O1.G2.1.0015	1RC-201-105 Class 1 51A	1RC-201 O-ISIN4-100A-1.1	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G02.001.008D
Circumferential			<p>Safe End to Pipe Safe End Pc. 47 adjoining HPI Nozzle 1B2. Perform UT on weld 1RC-201-105 and adjoining base metal out to weld 1RC-201-92 (at valve 1HP-152). This schedule cannot be changed. Revision 2 changed weld number from 1-51A-11-87. Inspect with G04.001.001. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.G2.1.0016	1RC-199-154 Class 1 51A	1RC-199 O-ISIN4-100A-1.1	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G02.001.008A
Circumferential			<p>Safe End to Pipe</p> <p>Safe End Pc. 47 adjoining Make-Up Nozzle 1A1. Perform UT on weld 1RC-199-154 and adjoining base metal out to weld 1RC-199-149 (at valve 1HP-127). This schedule cannot be changed. Revision 2 changed weld number from 1-RC-199-94. Inspect with G04.001.029.</p> <p>The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.</p>						
O1.G2.1.0017	1RC-201-92 Class 1 51A	1RC-201 O-ISIN4-100A-1.1	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G02.001.010D
Circumferential			<p>Pipe to Valve</p> <p>HPI Nozzle 1B2. Perform UT on weld 1RC-201-92 (at valve 1HP-152). This schedule cannot be changed. Revision 3 changed weld number from 1-51A-11-88. Inspect with G04.001.002.</p> <p>The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.</p>						
O1.G2.1.0018	1RC-200-160 Class 1 51A	1RC-200 O-ISIN 100A-1.1	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G02.001.010B
Circumferential			<p>Pipe to Valve</p> <p>Make-Up Nozzle 1A2. Perform UT on weld 1RC-200-160 (at valve 1HP-126). This schedule cannot be changed. Revision 2 changed weld number from 1RC-200-8 to 1RC-200-160. Inspect with G04.001.030. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.</p>						

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Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.G2.1.0019	1RC-201-97 Class 1 51A	1RC-201 O-ISIN4-100A-1.1	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G02.001.010C
Circumferential	<p>Pipe to Valve</p> <p>HPI Nozzle 1B1. Perform UT on weld 1RC-201-97 (at valve 1HP-153). This schedule cannot be changed. Revision 2 changed weld number from 1-51A-11-90. Inspect with G04.001.004.</p> <p>The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.</p>								
O1.G2.1.0020	1RC-199-149 Class 1 51A	1RC-199 O-ISIN4-100A-1.1	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G02.001.010A
Circumferential	<p>Pipe to Valve</p> <p>Make-Up Nozzle 1A1. Perform UT on weld 1RC-199-149 (at valve 1HP-127). This schedule cannot be changed. Inspect with G04.001.028. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.</p>								
O1.G2.1.0021	1A1-THERM SLEEVE Class 1 51A	ISI OCN1-011 O-ISIN4-100A-1.1	NDE-105	RT	SS		0.750 / 3.500		G02.001.011A
Circumferential	<p>Make-Up Nozzle 1A1. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.</p>								
O1.G2.1.0022	1B1-THERM SLEEVE Class 1 51A	ISI OCN1-013 O-ISIN4-100A-1.1	NDE-105	RT	SS		0.750 / 3.500		G02.001.011C
Circumferential	<p>HPI Nozzle 1B1. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.</p>								

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
01.G4.1.0003	1RC-201-101 Class 1 51A	1RC-201 O-ISIN4-101A-1.4	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G04.001.003
Circumferential	<p>Pipe to Safe-End</p> <p>Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1-51A-11-89. Inspect with G02.001.008C. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.</p>								
01.G4.1.0004	1RC-201-97 Class 1 51A	1RC-201 O-ISIN4-101A-1.4	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G04.001.004
Circumferential	<p>Pipe to Valve 1HP-153</p> <p>Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1-51A-11-90. Inspect with G02.001.010C. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.</p>								
01.G4.1.0007	1RC-201-91 Class 1 51A	1RC-201 O-ISIN4-101A-1.4	NDE-12	RT	SS		0.375 / 2.500		G04.001.013
Circumferential	<p>Valve 1HP-489 to Valve 1HP-152</p> <p>Use procedure NDE-995 to perform a circumferential scan of the weld and one half 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 one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan, General Requirements.</p>								
01.G4.1.0007	1RC-201-91 Class 1 51A	1RC-201 O-ISIN4-101A-1.4	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G04.001.013
Circumferential	<p>Valve 1HP-489 to Valve 1HP-152</p> <p>Use procedure NDE-995 to perform a circumferential scan of the weld and one half 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 one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan, General Requirements.</p>								

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
O1.G4.1.0008	1RC-201-96 Class 1 51A	1RC-201 O-ISIN4-101A-1.4	NDE-12	RT	SS		0.375 / 2.500		G04.001.014
Circumferential			<p>Valve 1HP-488 to Valve 1HP-153</p> <p>Use procedure NDE-995 to perform a circumferential scan of the weld and one half 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 one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan, General Requirements.</p>						
O1.G4.1.0008	1RC-201-96 Class 1 51A	1RC-201 O-ISIN4-101A-1.4	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G04.001.014
Circumferential			<p>Valve 1HP-488 to Valve 1HP-153</p> <p>Use procedure NDE-995 to perform a circumferential scan of the weld and one half 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 one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan, General Requirements.</p>						
O1.G4.1.0014	1RC-200-166 Class 1 51A	1RC-200	NDE-12	RT	SS		0.375 / 2.500		G04.001.020
Circumferential			<p>Valve 1HP-486 to Valve 1HP-126</p> <p>Use procedure NDE-995 to perform a circumferential scan of the weld and one half 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 one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan, General Requirements.</p>						
O1.G4.1.0014	1RC-200-166 Class 1 51A	1RC-200	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G04.001.020
Circumferential			<p>Valve 1HP-486 to Valve 1HP-126</p> <p>Use procedure NDE-995 to perform a circumferential scan of the weld and one half 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 one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan, General Requirements.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
01.G2.1.0023	1B2-THERM SLEEVE Class 1 51A	ISI OCN1-014 O-ISIN4-100A-1.1	NDE-105	RT	SS		0.750 / 3.500		G02.001.011D
Circumferential			HPI Nozzle 1B2. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.						
01.G2.1.0024	1A2-THERM SLEEVE Class 1 51A	ISI OCN1-012 O-ISIN4-100A-1.1	NDE-105	RT	SS		0.750 / 3.500		G02.001.011B
Circumferential			Make-Up Nozzle 1A2. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.						
01.G3.1.0001	1-PSL-11 Class 1 50	ISI-OCN1-015	NDE-35	PT	SS	160	0.250 / 1.000		G03.001.001
Circumferential Stress Weld			Drain Nozzle to Pipe. Reference Section 7 of the ISI Plan, General Requirements.						
01.G4.1.0001	1RC-201-105 Class 1 51A	1RC-201 O-ISIN4-100A-1.1	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G04.001.001
Circumferential			Pipe to Safe-End Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1-51A-11-87. Inspect with G02.001.008D. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.						
01.G4.1.0002	1RC-201-92 Class 1 51A	1RC-201 O-ISIN4-101A-1.4	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G04.001.002
Circumferential			Pipe to Valve 1HP-152 Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 3 changed weld number from 1-51A-11-88. Inspect with G02.001.010D. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
01.G4.1.0018	1RC-199-150 Class 1 51A 1RC-199		NDE-12	RT	SS		0.375 / 2.500		G04.001.024
Circumferential			<p>Valve 1HP-127 to Valve 1HP-487</p> <p>Use procedure NDE-995 to perform a circumferential scan of the weld and one half 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 one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan, General Requirements.</p>						
01.G4.1.0018	1RC-199-150 Class 1 51A 1RC-199		NDE-995	UT	SS		0.375 / 2.500	Component 50202	G04.001.024
Circumferential			<p>Valve 1HP-127 to Valve 1HP-487</p> <p>Use procedure NDE-995 to perform a circumferential scan of the weld and one half 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 one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan, General Requirements.</p>						
01.G4.1.0022	1RC-199-149 Class 1 51A 1RC-199 O-ISIN4-100A-1.1		NDE-995	UT	SS		0.375 / 2.500	Component 50202	G04.001.028
Circumferential			<p>Pipe to Valve 1HP-127</p> <p>Inspect 100% of weld & 1" of base material (axial & circumferential). Inspect with G02.001.010A. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.</p>						
01.G4.1.0023	1RC-199-154 Class 1 51A 1RC-199 O-ISIN4-100A-1.1		NDE-995	UT	SS		0.375 / 2.500	Component 50202	G04.001.029
Circumferential			<p>Safe End Pc. 47 to Pipe</p> <p>Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1-RC-199-94. Inspect with G02.001.008A. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category AUG									
01.G4.1.0024	1RC-200-160 Class 1 51A	1RC-200 O-ISIN4-100A-1.1	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G04.001.030
Circumferential			<p>Pipe to Valve 1HP-126</p> <p>Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1RC-200-8 to 1RC-200-160. Inspect with G02.001.010B. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.</p>						
01.G4.1.0025	1RC-200-161 Class 1 51A	1RC-200 O-ISIN 100A-1.1	NDE-995	UT	SS		0.375 / 2.500	Component 50202	G04.001.031
Circumferential			<p>Safe End Pc. 47 to Pipe</p> <p>Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1RC-200-7. Inspect with G02.001.008B. The inspection performed for the G02 meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.</p>						
Category B-B									
01.B2.40.0002	1-SGA-W22 Class 1 50	OM-201.S-0001 OM-201.S-0157	NDE-820	UT	CS		5.875 / 132.000	20T-245	B02.040.002
Circumferential			<p>Head to Tubesheet</p> <p>Steam Generator 1A Lower Head to Lower Tubesheet.</p>						
01.B2.40.0002	1-SGA-W22 Class 1 50	OM-201.S-0001 OM-201.S-0157	NDE-640	UT	CS		5.875 / 132.000	20T-245	B02.040.002
Circumferential			<p>Head to Tubesheet</p> <p>Steam Generator 1A Lower Head to Lower Tubesheet.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-D									
01.B3.110.0006	1-PZR-WP26-4 Class 1 50	ISI-OCN1-002 OM-201-91 OM-201-1878	NDE-820	UT	CS		6.187 / 5.750	40338	B03.110.006
Circumferential			Nozzle to Shell Pressurizer Sensing and Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. W-X Quadrant.						
01.B3.110.0006	1-PZR-WP26-4 Class 1 50	ISI-OCN1-002 OM-201-91 OM-201-1878	NDE-640	UT	CS		6.187 / 5.750	40338	B03.110.006
Circumferential			Nozzle to Shell Pressurizer Sensing and Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. W-X Quadrant.						
01.B3.110.0007	1-PZR-WP26-5 Class 1 50	ISI-OCN1-002 OM-201-91 OM-201-1878	NDE-640	UT	CS		6.187 / 5.750	40338	B03.110.007
Circumferential			Nozzle to Shell Pressurizer Sensing and Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. Z-Y Quadrant.						
01.B3.110.0007	1-PZR-WP26-5 Class 1 50	ISI-OCN1-002 OM-201-91 OM-201-1878	NDE-820	UT	CS		6.187 / 5.750	40338	B03.110.007
Circumferential			Nozzle to Shell Pressurizer Sensing and Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. Z-Y Quadrant.						
01.B3.110.0008	1-PZR-WP26-6 Class 1 50	ISI-OCN1-002 OM-201-91 OM-201-1878	NDE-820	UT	CS		6.187 / 5.750	40338	B03.110.008
Circumferential			Nozzle to Shell Pressurizer Sensing and Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. W-Z Quadrant.						
01.B3.110.0008	1-PZR-WP26-6 Class 1 50	ISI-OCN1-002 OM-201-91 OM-201-1878	NDE-640	UT	CS		6.187 / 5.750	40338	B03.110.008
Circumferential			Nozzle to Shell Pressurizer Sensing and Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. W-Z Quadrant.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-D									
01.B3.110.0009	1-PZR-WP26-1 Class 1 50	ISI-OCN1-002 OM-201-91 OM-201-1878	NDE-640	UT	CS		6.187 / 5.750	40338	B03.110.009
Circumferential			Nozzle to Shell Pressurizer Sensing and Sampling Nozzle Pc. 30 to Heater Belt Shell Pc. 4. W-X Quadrant.						
01.B3.110.0009	1-PZR-WP26-1 Class 1 50	ISI-OCN1-002 OM-201-91 OM-201-1878	NDE-820	UT	CS		6.187 / 5.750	40338	B03.110.009
Circumferential			Nozzle to Shell Pressurizer Sensing and Sampling Nozzle Pc. 30 to Heater Belt Shell Pc. 4. W-X Quadrant.						
01.B3.110.0010	1-PZR-WP26-2 Class 1 50	ISI-OCN1-002 OM-201-91 OM-201-1878	NDE-820	UT	CS		6.187 / 5.750	40338	B03.110.010
Circumferential			Nozzle to Shell Pressurizer Sensing and Sampling Nozzle Pc. 30 to Heater Belt Shell Pc. 4. Y-Z Quadrant.						
01.B3.110.0010	1-PZR-WP26-2 Class 1 50	ISI-OCN1-002 OM-201-91 OM-201-1878	NDE-640	UT	CS		6.187 / 5.750	40338	B03.110.010
Circumferential			Nozzle to Shell Pressurizer Sensing and Sampling Nozzle Pc. 30 to Heater Belt Shell Pc. 4. Y-Z Quadrant.						
01.B3.120.0006	1-PZR-WP26-4 Class 1 50	ISI-OCN1-002 OM-201-91 OM-201-1878	NDE-680	UT	CS		2.531 / 5.750	50237E 50237F 40338	B03.120.006
			Nozzle to Shell Pressurizer Sensing and Sampling Nozzle Pc. 30 to Shell Pc.1. W-X Quadrant. (Inside Radius Section)						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-D									
01.B3.120.0007	1-PZR-WP26-5 Class 1 50	ISI-OCN1-002 OM-201-91 OM-201-1878	NDE-680	UT	CS		2.531 / 5.750	50237E 50237F 40338	B03.120.007
			Nozzle to Shell Pressurizer Sensing and Sampling Nozzle Pc. 30 to Shell Pc.1. Z-Y Quadrant. (Inside Radius Section)						
01.B3.120.0008	1-PZR-WP26-6 Class 1 50	ISI-OCN1-002 OM-201-91 OM-201-1878	NDE-680	UT	CS		2.531 / 5.750	50237E 50237F 40338	B03.120.008
			Nozzle to Shell Pressurizer Sensing and Sampling Nozzle Pc. 30 to Shell Pc.1. W-Z Quadrant. (Inside Radius Section)						
01.B3.120.0009	1-PZR-WP26-1 Class 1 50	ISI-OCN1-002 OM-201-91 OM-201-1878	NDE-680	UT	CS		2.531 / 5.750	50237E 50237F 40338	B03.120.009
			Nozzle to Shell Pressurizer Sensing and Sampling Nozzle Pc. 30 to Shell Pc. 4. W-X Quadrant. (Inside Radius Section)						
01.B3.120.0010	1-PZR-WP26-2 Class 1 50	ISI-OCN1-002 OM-201-91 OM-201-1878	NDE-680	UT	CS		2.531 / 5.750	50237E 50237F 40338	B03.120.010
			Nozzle to Shell Pressurizer Sensing and Sampling Nozzle Pc. 30 to Shell Pc. 4. Y-Z Quadrant. (Inside Radius Section)						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-D									
01.B3.140.0001	1-SGA-OUTLET Class 1 50	OM-201.S-0001 OM-201.S-0033	54-ISI-371	VT-1	CS		4.250 / 28.000		B03.140.001
<p>Nozzle to Head Steam Generator 1A (Lower Head) Primary Outlet Nozzle at X-1/Y-2 Quadrant. Inside Radius Section Enhanced VT-1 Inspection is required in lieu of UT inspection.</p> <p>A Vendor that is qualified for remote automated Visual examinations (Enhanced VT-1) will have to be contracted to perform this inspection.</p>									
01.B3.140.0002	1-SGA-OUTLET Class 1 50	OM-201.S-0001 OM-201.S-0033	54-ISI-371	VT-1	CS		4.250 / 28.000		B03.140.002
<p>Nozzle to Head Steam Generator 1A (Lower Head) Primary Outlet Nozzle at X-2/Y-2 Quadrant. Inside Radius Section Enhanced VT-1 Inspection is required in lieu of UT inspection.</p> <p>A Vendor that is qualified for remote automated Visual examinations (Enhanced VT-1) will have to be contracted to perform this inspection.</p>									
01.B3.140.0003	1-SGB-OUTLET Class 1 50	OM-201.S-0001 OM-201.S-0033	54-ISI-371	VT-1	CS		4.250 / 28.000		B03.140.003
<p>Nozzle to Head Steam Generator 1B (Lower Head) Primary Outlet Nozzle at X-1/Y-2 Quadrant. Inside Radius Section Enhanced VT-1 Inspection is required in lieu of UT inspection.</p> <p>A Vendor that is qualified for remote automated Visual examinations (Enhanced VT-1) will have to be contracted to perform this inspection.</p>									

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-D									
O1.B3.140.0004	1-SGB-OUTLET Class 1 50	OM-201.S-0001 OM-201.S-0033	54-ISI-371	VT-1	CS		4.250 / 28.000		B03.140.004
<p>Nozzle to Head Steam Generator 1B (Lower Head) Primary Outlet Nozzle at X-2/Y-2 Quadrant. Inside Radius Section Enhanced VT-1 Inspection is required in lieu of UT inspection.</p> <p>A Vendor that is qualified for remote automated Visual examinations (Enhanced VT-1) will have to be contracted to perform this inspection.</p>									
O1.B3.140.0005	1-SGA-INLET Class 1 50	OM-201.S-0001 OM-201.S-0157	54-ISI-371	VT-1	CS		5.000 / 36.000		B03.140.005
<p>Nozzle to Head Steam Generator 1A Inlet Nozzle (Upper Head) Inside Radius Section Enhanced VT-1 Inspection is required in lieu of UT inspection.</p> <p>A Vendor that is qualified for remote automated Visual examinations (Enhanced VT-1) will have to be contracted to perform this inspection.</p>									
O1.B3.140.0006	1-SGB-INLET Class 1 50	OM-201.S-0001 OM-201.S-0157	54-ISI-371	VT-1	CS		5.000 / 36.000		B03.140.006
<p>Nozzle to Head Steam Generator 1B Inlet Nozzle (Upper Head) Inside Radius Section Enhanced VT-1 Inspection is required in lieu of UT inspection.</p> <p>A Vendor that is qualified for remote automated Visual examinations (Enhanced VT-1) will have to be contracted to perform this inspection.</p>									
O1.B3.150.0003	1-51A-1-53755-V1 Class 1 51A	1-53755 OM-201-2991	NDE-3630	UT	SS		0.875 / 3.000	40411	B03.150.003
<p>Circumferential</p> <p>Nozzle to Channel Body Letdown Cooler 1B Tubeside Inlet Nozzle Pc. 5 to Channel Body Pc. 3.</p>									

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-D									
O1.B3.150.0004	1-51A-1-53755-V2 Class 1 51A 1-53755	OM-201-2991	NDE-3630	UT	SS		0.875 / 3.000	40411	B03.150.004
Circumferential			Nozzle to Channel Body Letdown Cooler 1B Tubeside Outlet Nozzle Pc. 5 to Channel Body Pc. 3.						
O1.B3.160.0003	1-51A-1-53755-V1 Class 1 51A 1-53755	OM-201-2991	TBD	UT	SS		0.875 / 3.000	TBD	B03.160.003
			Nozzle to Channel Body Letdown Cooler 1B Tubeside Inlet Nozzle Pc. 5 to Channel Body Pc. 3. (Inside Radius Section). This item will not be examined, reference Section 9 for Request for Relief.						
O1.B3.160.0004	1-51A-1-53755-V2 Class 1 51A 1-53755	OM-201-2991	TBD	UT	SS		0.875 / 3.000	TBD	B03.160.004
			Nozzle to Channel Body Letdown Cooler 1B Tubeside Outlet Nozzle Pc. 5 to Channel Body Pc. 3. (Inside Radius Section). This item will not be examined, reference Section 9 for Request for Relief.						
Category B-G-1									
O1.B6.60.0001	1-PZR-STUDS Class 1	OM-201-1262	PDI-UT-5	UT	CS		0.000 / 2.750	40425	B06.060.001
			Pressurizer Manway Studs Pc. 67. 12 Studs, Stud Length = 14.875.						
Category B-G-2									
O1.B7.20.0002	1-PZR-CHB-STUDS Class 1	OM-201-9 OM-201-1262	NDE-62	VT-1	CS		0.000 / 2.000		B07.020.002
			Pressurizer Center Heater Bundle Studs Pc. 75 and nuts. 16 Studs, Length = 17.875. Examine all studs and nuts.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-G-2									
01.B7.70.0007	1-53A-LP1-STUDS Class 1 53A	OM-245-2054-001 O-ISIN4-102A-1.1	NDE-62	VT-1	CS		0.000 / 1.000		B07.070.007
Decay Heat Suction 12" Valve 1LP -1 Bolting. Inspect one of the following valves: 1LP-1 or 1LP-2. Examine all studs and nuts.									
Category B-J									
01.B9.11.0001	1-51A-04-3C Class 1 51A	1-51A-04 O-ISIN4-101A-1.4	NDE-35	PT	SS		0.531 / 4.000		B09.011.001, B09.011.001A
Circumferential	Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.								
01.B9.11.0001	1-51A-04-3C Class 1 51A	1-51A-04 O-ISIN4-101A-1.4	PDI-UT-2	UT	SS		0.531 / 4.000	PDI-UT-2-O PDI-UT-2A-O	B09.011.001, B09.011.001A
Circumferential	Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.								
01.B9.11.0002	1-53A-01-6L Class 1 53A	1-53A-01(2) O-ISIN4-102A-1.3	NDE-35	PT	SS		1.250 / 14.000		B09.011.005, B09.011.005A
Circumferential	Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.								

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-J									
O1.B9.11.0002	1-53A-01-6L Class 1 53A	1-53A-01(2) O-ISIN4-102A-1.3	PDI-UT-2	UT	SS		1.250 / 14.000	Component PDI-UT-2-O PDI-UT-2A-O	B09.011.005, B09.011.005A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.B9.11.0003	1LP-209-8L Class 1 53A	1LP-209 O-ISIN4-102A-1.3 OM 245-0001	NDE-35	PT	SS		1.250 / 14.000		B09.011.006, B09.011.006A
Circumferential			Elbow to Valve 1CF-13 (Cast SS) Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 1-53A-01-8L on iso 1-53A-01(2) until it was transferred to iso 1LP-209.						
O1.B9.11.0003	1LP-209-8L Class 1 53A	1LP-209 O-ISIN4-102A-1.3	PDI-UT-2	UT	SS		1.250 / 14.000	Component PDI-UT-2-O PDI-UT-2A-O	B09.011.006, B09.011.006A
Circumferential		OM 245-0001	Elbow to Valve 1CF-13 (Cast SS) Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 1-53A-01-8L on iso 1-53A-01(2) until it was transferred to iso 1LP-209.						
O1.B9.11.0008	1-PDA1-2 Class 1 50	ISI-OCN1-011 O-ISIN4-100A-1.1 OM-201-1844	NDE-35	PT	SS-CS		2.330 / 33.500		B09.011.016, B09.011.016A
Circumferential Dissimilar Stress Weld			Safe End to Elbow Reactor Coolant Pump 1A1 Discharge Piping. Safe End Pc. 213 to 13 Degree Elbow Pc. 212. Code Case N-624						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

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									
01.B9.11.0008	1-PDA1-2 Class 1 50	ISI-OCN1-011 O-ISIN4-100A-1.1 OM-201-1844	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	B09.011.016, B09.011.016A
	Circumferential Dissimilar Stress Weld		Safe End to Elbow Reactor Coolant Pump 1A1 Discharge Piping. Safe End Pc. 213 to 13 Degree Elbow Pc. 212. Code Case N-624						
01.B9.11.0010	1-PDA2-2 Class 1 50	ISI-OCN1-012 O-ISIN4-100A-1.1 OM-201-1844	NDE-35	PT	SS-CS		2.330 / 33.500		B09.011.018, B09.011.018A
	Circumferential Dissimilar Stress Weld		Safe End to Elbow Reactor Coolant Pump 1A2 Discharge Piping. Safe End Pc. 213 to 13 Degree Elbow Pc. 212.						
01.B9.11.0010	1-PDA2-2 Class 1 50	ISI-OCN1-012 O-ISIN4-100A-1.1 OM-201-1844	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	B09.011.018, B09.011.018A
	Circumferential Dissimilar Stress Weld		Safe End to Elbow Reactor Coolant Pump 1A2 Discharge Piping. Safe End Pc. 213 to 13 Degree Elbow Pc. 212.						
01.B9.11.0012	1-PDB1-2 Class 1 50	ISI-OCN1-013 O-ISIN4-100A-1.1 OM-201-1845	NDE-35	PT	SS-CS		2.330 / 33.500		B09.011.020, B09.011.020A
	Circumferential Dissimilar Stress Weld		Safe End to Elbow Reactor Coolant Pump 1B1 Discharge Piping. Safe End Pc. 213 to 13 Degree Elbow Pc. 212. Code Case N-624						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-J									
01.B9.11.0012	1-PDB1-2 Class 1 50	ISI-OCN1-013 O-ISIN4-100A-1.1 OM-201-1845	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	B09.011.020, B09.011.020A
	Circumferential Dissimilar Stress Weld		Safe End to Elbow Reactor Coolant Pump 1B1 Discharge Piping. Safe End Pc. 213 to 13 Degree Elbow Pc. 212. Code Case N-624						
01.B9.11.0014	1-PDB2-2 Class 1 50	ISI-OCN1-014 O-ISIN4-100A-1.1 OM-201-1844	NDE-35	PT	SS-CS		2.330 / 33.500		B09.011.022, B09.011.022A
	Circumferential Dissimilar Stress Weld		Safe End to Elbow Reactor Coolant Pump 1B2 Discharge Piping. Safe End Pc. 213 to 13 Degree Elbow Pc. 212.						
01.B9.11.0014	1-PDB2-2 Class 1 50	ISI-OCN1-014 O-ISIN4-100A-1.1 OM-201-1844	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	B09.011.022, B09.011.022A
	Circumferential Dissimilar Stress Weld		Safe End to Elbow Reactor Coolant Pump 1B2 Discharge Piping. Safe End Pc. 213 to 13 Degree Elbow Pc. 212.						
01.B9.11.0026	1-PIA2-7 Class 1 50	ISI-OCN1-008 O-ISIN4-100A-1.1 OM-201-1845	NDE-35	PT	SS-CS		2.330 / 33.500		B09.011.034, B09.011.034A
	Circumferential Dissimilar Stress Weld		Transition Piece to Pipe Reactor Coolant Pump 1A2 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-J									
O1.B9.11.0026	1-PIA2-7 Class 1 50	ISI-OCN1-008 O-ISIN4-100A-1.1 OM-201-1845	EPRI-DMW- PA-1 Transition Piece to Pipe Reactor Coolant Pump 1A2 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215.	UT	SS-CS		2.330 / 33.500	40350 40397	B09.011.034, B09.011.034A
	Circumferential Dissimilar Stress Weld								
O1.B9.11.0028	1-PIB1-7 Class 1 50	ISI-OCN1-009 O-ISIN4-100A-1.1 OM-201-1845	Transition Piece to Pipe Reactor Coolant Pump 1B1 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215. Code Case N-624	PT	SS-CS		2.330 / 33.500		B09.011.036, B09.011.036A
	Circumferential Dissimilar Stress Weld								
O1.B9.11.0028	1-PIB1-7 Class 1 50	ISI-OCN1-009 O-ISIN4-100A-1.1 OM-201-1845	Transition Piece to Pipe Reactor Coolant Pump 1B1 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215. Code Case N-624	UT	SS-CS		2.330 / 33.500	40350 40397	B09.011.036, B09.011.036A
	Circumferential Dissimilar Stress Weld								
O1.B9.11.0031	1-PIB2-7 Class 1 50	ISI-OCN1-010 O-ISIN4-100A-1.1 OM-201-1845	Transition Piece to Pipe Reactor Coolant Pump 1B2 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215.	PT	SS-CS		2.330 / 33.500		B09.011.039, B09.011.039A
	Circumferential Dissimilar Stress Weld								

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-J									
01.B9.11.0031	1-PIB2-7 Class 1 50	ISI-OCN1-010 O-ISIN4-100A-1.1 OM-201-1845	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	B09.011.039, B09.011.039A
	Circumferential Dissimilar Stress Weld		Transition Piece to Pipe Reactor Coolant Pump 1B2 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215.						
01.B9.11.0050	1-PIA2-9 Class 1 50	ISI-OCN1-008 OM-201-1846	NDE-35	PT	SS		2.330 / 36.500		B09.011.058, B09.011.058A
	Circumferential Terminal End		Safe end to RC Pump 1A2 Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of 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).						
01.B9.11.0050	1-PIA2-9 Class 1 50	ISI-OCN1-008 OM-201-1846	NDE-830	UT	SS		2.330 / 36.500	50214	B09.011.058, B09.011.058A
	Circumferential Terminal End		Safe end to RC Pump 1A2 Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of 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).						
01.B9.11.0050	1-PIA2-9 Class 1 50	ISI-OCN1-008 OM-201-1846	PDI-UT-2	UT	SS		2.330 / 36.500	40397	B09.011.058, B09.011.058A
	Circumferential Terminal End		Safe end to RC Pump 1A2 Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of 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).						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-J									
O1.B9.11.0062	1-PDA2-1 Class 1 50	ISI-OCN1-012 OM-201-1844	NDE-35	PT	SS		2.330 / 33.500		B09.011.070, B09.011.070A
Circumferential Terminal End Stress Weld			<p>RC Pump 1A2 to Safe end</p> <p>Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of 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).</p>						
O1.B9.11.0062	1-PDA2-1 Class 1 50	ISI-OCN1-012 OM-201-1844	PDI-UT-2	UT	SS		2.330 / 33.500	40397	B09.011.070, B09.011.070A
Circumferential Terminal End Stress Weld			<p>RC Pump 1A2 to Safe end</p> <p>Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of 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).</p>						
O1.B9.11.0062	1-PDA2-1 Class 1 50	ISI-OCN1-012 OM-201-1844	NDE-830	UT	SS		2.330 / 33.500	50214	B09.011.070, B09.011.070A
Circumferential Terminal End Stress Weld			<p>RC Pump 1A2 to Safe end</p> <p>Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of 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).</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-J									
O1.B9.21.0001	1-50-01-21 Class 1 50	1-50-01(1) O-ISIN4-100A-1.1 ISI-OCN1-008	NDE-35	PT	SS-Inconel		0.281 / 1.500		B09.021.001
	Circumferential Dissimilar Stress Weld		Safe End to Elbow Reactor Coolant Pump 1A2 Suction Piping. Safe End Pc. 65 to Elbow.						
O1.B9.21.0007	1HP-190-59C Class 1 51A	1HP-190 O-ISIN4-101A-1.4	NDE-35	PT	SS		0.375 / 2.500		B09.021.007
	Circumferential		Pipe to Elbow This weld was listed previously as 1-51A-05-59C on weld iso 1-51A-05 until it was transferred to iso 1HP-190.						
O1.B9.21.0008	1HP-190-65C Class 1 51A	1HP-190 O-ISIN4-101A-1.4	NDE-35	PT	SS		0.375 / 2.500		B09.021.008
	Circumferential		Pipe to Elbow This weld was listed previously as 1-51A-05-65C on weld iso 1-51A-05 until it was transferred to iso 1HP-190.						
O1.B9.21.0014	1-51A-134A-43 Class 1 51A	1-51A-134A O-ISIN4-101A-1.1 OM-201-3107	NDE-35	PT	SS		0.438 / 3.000		B09.021.014
	Circumferential Terminal End		Nozzle to Elbow Letdown Cooler 1A Inlet Channel Nozzle Pc. 5 to Elbow.						
O1.B9.21.0017	1-51A-136-36 Class 1 51A	1-51A-136 O-ISIN4-101A-1.1 OM-201-3107	NDE-35	PT	SS		0.438 / 3.000		B09.021.017
	Circumferential Terminal End		Nozzle to Pipe Letdown Cooler 1A Outlet Channel Nozzle Pc. 5 to Pipe.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-J									
01.B9.21.0021	1-PDA2-11 Class 1 50	ISI-OCN1-012 O-ISIN4-100A-1.1 OM-201-1870	NDE-35	PT	SS-CS		0.750 / 3.500		B09.021.021
	Circumferential Dissimilar Stress Weld								
			Nozzle to Safe End Reactor Coolant Pump 1A2 Discharge Piping. Pressure Injection Nozzle Pc. 46 to Safe End Pc. 47.						
01.B9.21.0022	1-PDB1-11 Class 1 51A	ISI-OCN1-013 O-ISIN4-100A-1.1 OM-201-597	NDE-35	PT	SS-CS		0.750 / 3.500		B09.021.022
	Dissimilar Stress Weld								
			Nozzle to Safe End Reactor Coolant Pump 1B1 Discharge Piping. Pressure Injection Nozzle Pc. 46 to Safe End Pc. 47.						
01.B9.21.0023	1-PDB2-11 Class 1 51A	ISI-OCN1-014 O-ISIN4-100A-1.1 OM-201-1845	NDE-35	PT	SS-CS		0.750 / 3.500		B09.021.023
	Dissimilar Stress Weld								
			Nozzle to Safe End Reactor Coolant Pump 1B2 Discharge Piping. Pressure Injection Nozzle Pc. 46 to Safe End Pc. 47.						
01.B9.21.0025	1-PIA2-11 Class 1 50	ISI-OCN1-008 O-ISIN4-100A-1.1 OM-201-1870	NDE-35	PT	CS-Inconel		0.816 / 3.500		B09.021.025
	Circumferential Dissimilar Stress Weld								
			Nozzle to Safe End Reactor Coolant Pump 1A2 Suction Piping. Drain Nozzle Pc. 64 to Safe End Pc. 65.						
01.B9.21.0034	1-PSP-6 Class 1 50	ISI-OCN1-016 O-ISIN4-100A-1.2	NDE-35	PT	SS	160	0.375 / 2.500		B09.021.034
	Circumferential Stress Weld								
			Elbow to Tee						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-J									
01.B9.21.0035	1-PSP-8 Class 1 50	ISI-OCN1-016 O-ISIN4-100A-1.2	NDE-35	PT	SS	160	0.375 / 2.500		B09.021.035
	Circumferential Stress Weld		Pipe to Valve 1RC-3						
01.B9.21.0045	1LP-102-10 Class 1 53A	1LP-102 O-ISIN4-102A-1.1	NDE-35	PT	SS		0.438 / 3.000		B09.021.045
	Circumferential		Valve 1LP-104 to Pipe						
01.B9.21.0051	1RC-201-101 Class 1 51A	1RC-201 O-ISIN4-101A-1.4 ISI-OCN1-013	NDE-35	PT	SS		0.375 / 2.500		B09.021.051
	Circumferential Stress Weld		Pipe to Safe-End Pump 1B1 Discharge Piping. Pipe to Pressure Injection Nozzle Safe End Pc. 47. This weld was listed previously as 1-51A-11-89 until iso 1-51A -11 (3) was redrawn. Revision 2 to isometric changed weld number from 1RC-201-3. Inspect with G02.001.008C.						
01.B9.21.0052	1RC-201-105 Class 1 51A	1RC-201 O-ISIN4-101A-1.4 ISI-OCN1-014	NDE-35	PT	SS		0.375 / 2.500		B09.021.052
	Circumferential Stress Weld		Pipe to Safe-End Pump 1B2 Discharge Piping. Pipe to Pressure Injection Nozzle Safe End Pc. 47. This weld was listed previously as 1-51A-11-87 until iso 1-51A-11 was redrawn. Revision 2 to isometric changed weld number from 1RC-201-2. Weld 1-51A-11-87 was deleted and weld 1RC-201-102 replaced it. Weld 1RC-201-102 was deleted and weld 1RC-201-105 replaced it. Inspect G02.001.008D.						
01.B9.21.0054	1RC-201-92 Class 1 51A	1RC-201 O-ISIN4-101A-1.4	NDE-35	PT	SS		0.375 / 2.500		B09.021.054
	Circumferential Stress Weld		Pipe to Valve 1HP-152 This weld was listed previously as 1-51A-11-88 until iso 1-51A-11 was redrawn. Revision 2 to isometric changed weld number from 1RC-201-1. Weld 1-51A-11-88 was deleted and weld 1RC-201-92 replaced it. Inspect with G02.001.010D.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-J									
O1.B9.32.0001	1-PDA1-10 Class 1 50	ISI-OCN1-011 O-ISIN4-100A-1.1 OM-201-597	NDE-25	MT	CS		2.250 / 12.000		B09.032.001
Branch Stress Weld			Pipe to Nozzle 28" ID Pipe Pc. 44 to Pressure Injection Nozzle Pc. 46. The NPS of the branch piping is 2.5 inches.						
O1.B9.32.0003	1-PDA2-10 Class 1 50	ISI-OCN1-012 O-ISIN4-100A-1.1 OM-201-597	NDE-25	MT	CS		2.250 / 12.000		B09.032.003
Branch Stress Weld			Pipe to Nozzle 28" ID Pipe Pc. 44 to Pressure Injection Nozzle Pc. 46. The NPS of the branch piping is 2.5 inches.						
O1.B9.32.0008	1-PIA2-10 Class 1 50	ISI-OCN1-008 B&W 131918E6	NDE-25	MT	CS		2.250 / 12.000		B09.032.008
Branch Stress Weld			Pipe to Nozzle The NPS of the branch piping is 1.5 inches.						
O1.B9.40.0001	1-50-01-179 Class 1 50	1-50-01(1) O-ISIN4-100A-1.1	NDE-35	PT	SS	160	0.281 / 1.500		B09.040.001
Socket			Pipe to Elbow						
O1.B9.40.0002	1-50-01-183 Class 1 50	1-50-01(1) O-ISIN4-100A-1.1	NDE-35	PT	SS	160	0.281 / 1.500		B09.040.002
Socket			Pipe to Valve 1RC-29						
O1.B9.40.0003	1-50-01-206 Class 1 50	1-50-01(1) O-ISIN4-100A-1.1	NDE-35	PT	SS	160	0.281 / 1.500		B09.040.003
Socket			Pipe to Valve 1RC-24						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-J									
O1.B9.40.0004	1-50-01-209 Class 1 50	1-50-01(1) O-ISIN4-100A-1.1	NDE-35	PT	SS	160	0.281 / 1.500		B09.040.004
Socket									
			Pipe to Elbow						
O1.B9.40.0008	1-51A-135-25 Class 1 51A	1-51A-135 O-ISIN4-101A-1.1	NDE-35	PT	SS		.344 / 2.000		B09.040.008
Socket									
			Elbow to Pipe						
Category B-K									
O1.B10.10.0005	1-PZR-WP82-Y Class 1 50	ISI-OCN1-002	NDE-25	MT	CS		3.500 / 0.000		B10.010.005
Circumferential									
			Support Lug to Shell						
			Pressurizer Support Lug Assembly Pc. 110 to Lower Shell Course Pc. 3. Y Axis. Dave Peltola selected this lug to be examined which will meet the requirements of Code Case N-700. (see letter dated 11-1-07 from Dave Peltola) For preparation and examination of this attachment weld, be sure to remove enough insulation from around the lug to allow access to the entire lug to vessel weld.						
Category B-N-1									
O1.B13.10.0001	1-RPV-INT-SURFACE Class 1 50	OM-201-1008 ISI-OCN1-001	NDE-63	VT-3	SS		0.000 / 0.000		B13.010.001
			Reactor Vessel Interior. Areas to be examined shall include the spaces above and below the reactor core that are made accessible for examination by removal of components during normal refueling outages.						
			For the examination performed during the third period, a Vendor that is qualified for remote automated Visual examinations (Enhanced VT-1 and VT-3) will have to be contracted to perform this inspection.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category B-O									
O1.B14.10.0001	1-RPV-CRD-47WH9 Class 1 50	OM-201.R-0106.001 O-ISIN4-100A-1.1 OM-201-3161	NDE-35	PT	SS-Inconel		0.650 / 4.025		B14.010.001
Dissimilar			Housing Body to Adapter CRDM #47 Housing Body to Adapter.						
O1.B14.10.0004	1-RPV-CRD-47W60 Class 1 50	OM-201-3160 O-ISIN4-100A-1.1 OM-201-3161	NDE-35	PT	SS-CS		0.500 / 5.000		B14.010.004
			Base to Motor Tube CRDM #47 Base to Motor Tube.						
O1.B14.10.0007	1-RPV-CRD-47 Class 1 50	OM-201-3160 O-ISIN4-100A-1.1 OM-201-3161	NDE-35	PT	SS-CS		0.400 / 4.300		B14.010.007
			Motor Tube to Extension CRDM #47 Motor Tube to Extension.						
O1.B14.10.0010	1-RPV-CRD-47W61 Class 1 50	OM-201-3160 O-ISIN4-100A-1.1 OM-201-3161	NDE-35	PT	SS		0.380 / 4.190		B14.010.010
			Extension to Cap CRDM #47 Extension to Cap.						
Category C-B									
O1.C2.21.0001	1-SGA-W127 Class 2 03	OM-201.S-0001 OM-201.S-0026 OM-201.S-0157	NDE-25	MT	CS		5.125 / 24.000		C02.021.001, C02.021.001A
Circumferential			Nozzle to Shell Steam Generator 1A Main Steam Nozzle to Shell. X-1/Y-1 Quadrant Quadrant.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-B									
O1.C2.21.0001	1-SGA-W127 Class 2 03	OM-201.S-0001	NDE-820	UT	CS		5.125 / 24.000	20T-240	C02.021.001, C02.021.001A
Circumferential		OM-201.S-0026 OM-201.S-0157	Nozzle to Shell Steam Generator 1A Main Steam Nozzle to Shell. X-1/Y-1 Quadrant Quadrant.						
O1.C2.21.0001	1-SGA-W127 Class 2 03	OM-201.S-0001	NDE-640	UT	CS		5.125 / 24.000	20T-240	C02.021.001, C02.021.001A
Circumferential		OM-201.S-0026 OM-201.S-0157	Nozzle to Shell Steam Generator 1A Main Steam Nozzle to Shell. X-1/Y-1 Quadrant Quadrant.						
Category C-C									
O1.C3.20.0005	1-03-0-479A-H1B Class 2 03	1-03-05/sht.2 O-ISIN4-121B-1.3	NDE-25	MT	NA		0.280 / 0.000		C03.020.011
Rigid Support			Calculation No. OSC-1297-06. Inspect with F01.020.011.						
O1.C3.20.0010	1-14B-0-479A-H3 Class 2 14B	1-14-12 O-ISIN4-124B-1.2	NDE-25	MT	NA		0.750 / 0.000		C03.020.041
Rigid Restraint			Calculation No. OSC-1306-06, page 6(3)-42. Support has 2 different weld attachments (3/4" plate and 3" pipe stanchion). Inspect with F01.021.044.						
O1.C3.20.0017	1-53B-5-0-435-R8 Class 2 53B	1-53-02/sht.2 O-ISIN4-102A-1.2 O-1AB-15302-02	NDE-35	PT	NA		1.000 / 0.000		C03.020.091
Rigid Restraint			Calculation No. OSC-408. Inspect with F01.021.095.						
O1.C3.20.0174	1-53B-4-0-435B-H10 Class 2 53B	1-53-01/sht.1 O-ISIN4-102A-1.1 O-1AB-15301-01	NDE-35	PT			0.237 / 0.000		C03.020.
Spring Hgr			Calculation No. OSC-407, page 104						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-C									
O1.C3.20.0175	1-53B-0-435B-DE062 Class 2 53B	1-53-01/sht.1 O-ISIN4-102A-1.1 O-1AB-15301-01	NDE-35	PT			1.000 / 0.000		C03.020.
Rigid Restraint			Calculation No. OSC-407, page 104 Perform surface exam on the attachment welds.						
O1.C3.20.0223	1LP-185-PEN # 57 Class 2 53A	1LP-185 O-62A O-62C	NDE-35	PT	CS		0.750 / 12.000		C03.020.097
Rigid Restraint			Calc No. OSC-1301-06 Page 92,, Problem No. 1-53A-07, Drawing O-ISIN4-102A-1.1. Type II Penetration located on Reactor Bld side of Penetration # 57. Perform a surface exam on the Penetration Pipe Cap and reinforcement plate attachment weld to the 12 inch, System 53A, piping which goes through Penetration # 57. See Detail 5 on drawing O-62C.						
O1.C3.20.0237	1-20B-21-16-PEN # 19 Class 2 20B	1-20B-21-16 O-62A O-62C	NDE-25	MT	CS		0.750 / 48.000		C03.020.
Rigid Restraint			Calculation No. OSC-968-01, O-1AB-120B01-01, Drawing O-ISIN4-116-1.1. Type I Penetration located on Reactor Bld side of Penetration # 19. Perform a surface exam on the Penetration Pipe Cap and reinforcement plate attachment weld to the 48 inch, System 20B-21, piping which goes through Penetration # 19. See Detail 5 on drawing O-62C.						
Category C-F-1									
O1.C5.11.0028	1-53A-02-65L Class 2 53A	1-53A-02(1) O-ISIN4-102A-1.2 OM 245-0001	NDE-35	PT	SS		1.125 / 10.000		C05.011.006, C05.011.006A
Circumferential			Valve 1LP-47 (Cast SS) to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-1									
O1.C5.11.0028	1-53A-02-65L Class 2 53A	1-53A-02(1) O-ISIN4-102A-1.2	PDI-UT-2	UT	SS		1.125 / 10.000	PDI-UT-2-O PDI-UT-2A-O	C05.011.006, C05.011.006A
Circumferential		OM 245-0001	Valve 1LP-47 (Cast SS) to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.11.0046	1-53A-02-63L Class 2 53A	1-53A-02(2) O-ISIN4-102A-1.3	NDE-35	PT	SS		1.000 / 10.000		C05.011.024, C05.011.024A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.11.0046	1-53A-02-63L Class 2 53A	1-53A-02(2) O-ISIN4-102A-1.3	PDI-UT-2	UT	SS		1.000 / 10.000	PDI-UT-2-O PDI-UT-2A-O	C05.011.024, C05.011.024A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.11.0047	1-53A-01-28L Class 2 53A	1-53A-01(2) O-ISIN4-102A-1.3	NDE-35	PT	SS		1.000 / 10.000		C05.011.025, C05.011.025A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-1									
O1.C5.11.0047	1-53A-01-28L Class 2 53A	1-53A-01(2) O-ISIN4-102A-1.3	PDI-UT-2	UT	SS		1.000 / 10.000	PDI-UT-2-O PDI-UT-2A-O	C05.011.025, C05.011.025A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.11.0062	1LP-207-1 Class 2 53A	1LP-207 O-ISIN4-102A-1.3	NDE-35	PT	SS		1.000 / 10.000		C05.011.040, C05.011.040A
Circumferential			Pipe to Tee Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.11.0062	1LP-207-1 Class 2 53A	1LP-207 O-ISIN4-102A-1.3	PDI-UT-2	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.040, C05.011.040A
Circumferential			Pipe to Tee Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.11.0063	1LP-207-2 Class 2 53A	1LP-207 O-ISIN4-102A-1.3	NDE-35	PT	SS		1.000 / 10.000		C05.011.041, C05.011.041A
Circumferential			Pipe to Tee Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-1									
O1.C5.11.0063	1LP-207-2 Class 2 53A	1LP-207 O-ISIN4-102A-1.3	PDI-UT-2	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.041, C05.011.041A
Circumferential			Pipe to Tee Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.11.0064	1LP-207-3 Class 2 53A	1LP-207 O-ISIN4-102A-1.3	NDE-35	PT	SS		1.000 / 10.000		C05.011.042, C05.011.042A
Circumferential			Pipe to Tee Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.11.0064	1LP-207-3 Class 2 53A	1LP-207 O-ISIN4-102A-1.3	PDI-UT-2	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.042, C05.011.042A
Circumferential			Pipe to Tee Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.11.0065	1LP-207-7 Class 2 53A	1LP-207 O-ISIN4-102A-1.3	NDE-35	PT	SS		1.000 / 10.000		C05.011.043, C05.011.043A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-1									
O1.C5.11.0065	1LP-207-7 Class 2 53A	1LP-207 O-ISIN4-102A-1.3	PDI-UT-2	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.043, C05.011.043A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.11.0066	1LP-207-8 Class 2 53A	1LP-207 O-ISIN4-102A-1.3	NDE-35	PT	SS		1.000 / 10.000		C05.011.044, C05.011.044A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.11.0066	1LP-207-8 Class 2 53A	1LP-207 O-ISIN4-102A-1.3	PDI-UT-2	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.044, C05.011.044A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.11.0067	1LP-208-1 Class 2 53A	1LP-208 O-ISIN4-102A-1.3	NDE-35	PT	SS		1.000 / 10.000		C05.011.045, C05.011.045A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-1									
O1.C5.11.0067	1LP-208-1 Class 2 53A	1LP-208 O-ISIN4-102A-1.3	PDI-UT-2	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.045, C05.011.045A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.11.0102	1LPS-746-8 Class 2 14B	1LPS-746 O-ISIN4-124B-1.2	NDE-35	PT	SS		0.432 / 6.000		C05.011.080, C05.011.080A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.11.0102	1LPS-746-8 Class 2 14B	1LPS-746 O-ISIN4-124B-1.2	PDI-UT-2	UT	SS		0.432 / 6.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.080, C05.011.080A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.11.0103	1LPS-750-3 Class 2 14B	1LPS-750 O-ISIN4-124B-1.2	NDE-35	PT	SS		0.432 / 6.000		C05.011.081, C05.011.081A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-1									
O1.C5.11.0103	1LPS-750-3 Class 2 14B	1LPS-750 O-ISIN4-124B-1.2	PDI-UT-2	UT	SS		0.432 / 6.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.081, C05.011.081A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.21.0004	1-51A-04-1C Class 2 51A	1-51A-04 O-ISIN4-101A-1.4 OM 246-0017	NDE-35	PT	SS		0.674 / 4.000		C05.021.004, C05.021.004A
Circumferential			Pipe to Valve 1HP-194 (Forged SS) Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.21.0004	1-51A-04-1C Class 2 51A	1-51A-04 O-ISIN4-101A-1.4 OM 246-0017	PDI-UT-2	UT	SS		0.674 / 4.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.021.004, C05.021.004A
Circumferential			Pipe to Valve 1HP-194 (Forged SS) Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.21.0017	1HP-200-17 Class 2 51A	1HP-200 O-ISIN4-101A-1.1	NDE-35	PT	SS		0.674 / 4.000		C05.021.033, C05.021.033A
Circumferential			Pipe to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-1									
O1.C5.21.0017	1HP-200-17 Class 2 51A	1HP-200 O-ISIN4-101A-1.1	PDI-UT-2	UT	SS		0.674 / 4.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.021.033, C05.021.033A
Circumferential			Pipe to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.21.0027	1HP-387-118A Class 2 51A	1HP-387 O-ISIN4-101A-1.3 OM 246-0014	NDE-35	PT	SS		0.531 / 4.000		C05.021.048, C05.021.048A
Circumferential			Valve 1HP-118 (Forged SS) to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.21.0027	1HP-387-118A Class 2 51A	1HP-387 O-ISIN4-101A-1.3 OM 246-0014	NDE-600	UT	SS		0.531 / 4.000	Component	C05.021.048, C05.021.048A
Circumferential			Valve 1HP-118 (Forged SS) to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.21.0033	1-51A-02-20B Class 2 51A	1-51A-02 O-ISIN4-101A-1.4 OM 246-0014	NDE-35	PT	SS		0.531 / 4.000		C05.021.054, C05.021.054A
Circumferential			Valve 1HP-135 (Forged SS) to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						

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Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-1									
O1.C5.21.0033	1-51A-02-20B Class 2 51A	1-51A-02 O-ISIN4-101A-1.4	PDI-UT-2	UT	SS		0.531 / 4.000	PDI-UT-2-O PDI-UT-2A-O	C05.021.054, C05.021.054A
Circumferential		OM 246-0014	Valve 1HP-135 (Forged SS) to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.21.0040	1HP-193-17 Class 2 51A	1HP-193 O-ISIN4-101A-1.4	NDE-35	PT	SS		0.375 / 2.500		C05.021.064, C05.021.064A
Circumferential			Tee to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.21.0040	1HP-193-17 Class 2 51A	1HP-193 O-ISIN4-101A-1.4	NDE-600	UT	SS		0.375 / 2.500	Component	C05.021.064, C05.021.064A
Circumferential			Tee to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.21.0048	1-51A-01-84A Class 2 51A	1-51A-01(3) O-ISIN4-101A-1.3	NDE-35	PT	SS		0.531 / 4.000		C05.021.080, C05.021.080A
Circumferential			Elbow to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						

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Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-1									
01.C5.21.0048	1-51A-01-84A Class 2 51A	1-51A-01(3) O-ISIN4-101A-1.3	PDI-UT-2	UT	SS		0.531 / 4.000	PDI-UT-2-O PDI-UT-2A-O	C05.021.080, C05.021.080A
Circumferential			Elbow to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
01.C5.21.0051	1-51A-02-16BH Class 2 51A	1-51A-02 O-ISIN4-101A-1.4	NDE-35	PT	SS		0.531 / 4.000		C05.021.086, C05.021.086A
Circumferential			Pipe to Flange Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
01.C5.21.0051	1-51A-02-16BH Class 2 51A	1-51A-02 O-ISIN4-101A-1.4	PDI-UT-2	UT	SS		0.531 / 4.000	PDI-UT-2-O PDI-UT-2A-O	C05.021.086, C05.021.086A
Circumferential			Pipe to Flange Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
01.C5.21.0055	1-51A-02-56B Class 2 51A	1-51A-02 O-ISIN4-101A-1.3	NDE-35	PT	SS		0.531 / 4.000		C05.021.092, C05.021.092A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-1									
O1.C5.21.0055	1-51A-02-56B Class 2 51A	1-51A-02 O-ISIN4-101A-1.3	PDI-UT-2	UT	SS		0.531 / 4.000	PDI-UT-2-O PDI-UT-2A-O	C05.021.092, C05.021.092A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.21.0069	1HP-367-22 Class 2 51B	1HP-367 O-ISIN4-101A-1.1	NDE-35	PT	SS		0.237 / 4.000		C05.021.115, C05.021.115A
Circumferential			Pipe to Tee Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.21.0069	1HP-367-22 Class 2 51B	1HP-367 O-ISIN4-101A-1.1	PDI-UT-2	UT	SS		0.237 / 4.000	PDI-UT-2-O PDI-UT-2A-O	C05.021.115, C05.021.115A
Circumferential			Pipe to Tee Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.						
O1.C5.30.0010	1HP-470-5 Class 2 51B	1HP-470 O-ISIN4-101A-1.2	NDE-35	PT	SS		0.154 / 2.000		C05.030.010
Socket			Tee to Reducing Insert						
O1.C5.30.0011	1HP-470-12 Class 2 51B	1HP-470 O-ISIN4-101A-1.2	NDE-35	PT	SS		0.154 / 2.000		C05.030.011
Socket			Tee to Reducing Insert						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-1									
O1.C5.30.0012	1HP-471-3 Class 2 51B	1HP-471 O-ISIN4-101A-1.2	NDE-35	PT	SS		0.154 / 2.000		C05.030.012
Socket									
			Pipe to Valve 1HP-974						
O1.C5.30.0013	1HP-471-4 Class 2 51B	1HP-471 O-ISIN4-101A-1.2	NDE-35	PT	SS		0.154 / 2.000		C05.030.013
Socket									
			Valve 1HP-974 to Pipe						
O1.C5.41.0003	1LP-004-12J Class 2 53B	1LP-004 O-ISIN4-101A-1.3	NDE-35	PT	SS		0.134 / 6.000		C05.041.006
Branch									
			Pipe to Pipe This weld was previously listed as 1-53B-04-12J before the Iso was redrawn.						
O1.C5.41.0004	1LP-004-12JA Class 2 53B	1LP-004 O-ISIN4-101A-1.3	NDE-35	PT	SS		0.134 / 6.000		C05.041.007
Branch									
			Reinforcing collar to Pipe Reinforcing collar weld at weld 12J. This weld was previously listed as 1-53B-04-12JA before the Iso was redrawn.						
O1.C5.41.0011	1-51A-01-54A Class 2 51A	1-51A-01(2) O-ISIN4-101A-1.3	NDE-35	PT	SS		0.216 / 3.000		C05.041.033
Branch									
			Pipe to Pipe This is a saddle weld - 3" pipe to 6" pipe.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-2									
01.C5.51.0008	1MS-001-29E Class 2 01A	1MS-001	NDE-25	MT	CS		0.562 / 12.000		C05.051.008, C05.051.008A
Circumferential		O-ISIN4-122A-1.2	Pipe to Elbow This weld was previously listed as 1-01A-01-29E before the Iso was redrawn. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.						
01.C5.51.0008	1MS-001-29E Class 2 01A	1MS-001 O-ISIN4-122A-1.2	PDI-UT-1	UT	CS		0.562 / 12.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.008, C05.051.008A
Circumferential			Pipe to Elbow This weld was previously listed as 1-01A-01-29E before the Iso was redrawn. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.						
01.C5.51.0016	1-MS2A-A Class 2 01A	1MS-074	NDE-25	MT	CS		0.875 / 24.000		C05.051.016, C05.051.016A
Circumferential			Elbow to Pipe Grinnell subassembly MS-2A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.						
01.C5.51.0016	1-MS2A-A Class 2 01A	1MS-074	PDI-UT-1	UT	CS		0.875 / 24.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.016, C05.051.016A
Circumferential			Elbow to Pipe Grinnell subassembly MS-2A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-2									
O1.C5.51.0021	1FDW-249-43B Class 2 03	1FDW-249	NDE-25	MT	CS		1.219 / 24.000		C05.051.021, C05.051.021A
Circumferential		O-ISIN4-121B-1.3	<p>Elbow to Pipe</p> <p>Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.</p>						
O1.C5.51.0021	1FDW-249-43B Class 2 03	1FDW-249 O-ISIN4-121B-1.3	PDI-UT-1	UT	CS		1.219 / 24.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.021, C05.051.021A
Circumferential			<p>Elbow to Pipe</p> <p>Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.</p>						
O1.C5.51.0027	1-FWD65-A Class 2 03	1-03-3(1)	NDE-25	MT	CS		1.031 / 20.000		C05.051.027, C05.051.027A
Circumferential			<p>Pipe to Elbow</p> <p>Grinnell subassembly FWD-65.</p> <p>Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.</p>						
O1.C5.51.0027	1-FWD65-A Class 2 03	1-03-3(1)	PDI-UT-1	UT	CS		1.031 / 20.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.027, C05.051.027A
Circumferential			<p>Pipe to Elbow</p> <p>Grinnell subassembly FWD-65.</p> <p>Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-2									
O1.C5.51.0029	1-FWD87-A Class 2 03	1FDW-249	NDE-25	MT	CS		0.750 / 14.000		C05.051.029, C05.051.029A
Circumferential			Elbow to Pipe Grinnell subassembly FWD-87. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. This weld was shown previously on iso 1-03-3(1) until it was transferred to iso 1FDW-249.						
O1.C5.51.0029	1-FWD87-A Class 2 03	1FDW-249	PDI-UT-1	UT	CS		0.750 / 14.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.029, C05.051.029A
Circumferential			Elbow to Pipe Grinnell subassembly FWD-87. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. This weld was shown previously on iso 1-03-3(1) until it was transferred to iso 1FDW-249.						
O1.C5.51.0034	1-20B-21-16-7 Class 2 20B	1-20B-21-16	NDE-25	MT	CS		0.500 / 48.000		C05.051.034, C05.051.034A
Circumferential		O-ISIN4-116A-1.1 OM 247-0046	Pipe to Valve 1PRV-6 (Carbon Steel) Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.						
O1.C5.51.0034	1-20B-21-16-7 Class 2 20B	1-20B-21-16 O-ISIN4-116A-1.1	PDI-UT-1	UT	CS		0.500 / 48.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.034, C05.051.034A
Circumferential		OM 247-0046	Pipe to Valve 1PRV-6 (Carbon Steel) Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-2									
O1.C5.51.0037	1-LPSW-344-18 Class 2 14B	1-LPSW-344	NDE-25	MT	CS		0.500 / 8.000		C05.051.037, C05.051.037A
Circumferential		O-ISIN4-124B-1.2	<p>Elbow to Pipe</p> <p>Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.</p> <p>This item was moved from EOC-24 to EOC-25 to allow planning for the removal of a support to allow access. When writing a work order for this item to be examined, be sure to add a step for the removal of support number 1-14B-439B-DE007 to allow access for preping and inspection of this weld.</p>						
O1.C5.51.0037	1-LPSW-344-18 Class 2 14B	1-LPSW-344 O-ISIN4-124B-1.2	PDI-UT-1	UT	CS		0.500 / 8.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.037, C05.051.037A
Circumferential			<p>Elbow to Pipe</p> <p>Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.</p> <p>This item was moved from EOC-24 to EOC-25 to allow planning for the removal of a support to allow access. When writing a work order for this item to be examined, be sure to add a step for the removal of support number 1-14B-439B-DE007 to allow access for preping and inspection of this weld.</p>						
O1.C5.51.0043	1LPSW-345-35 Class 2 14B	1LPSW-345	NDE-25	MT	CS		0.500 / 8.000		C05.051.043, C05.051.043A
Circumferential		O-ISIN4-124B-1.2	<p>Pipe to Tee</p> <p>This weld was listed previously as 1-LPSW-345-35 until iso 1-LPSW-345 was redrawn. This weld was listed previously as 1-LPS-345-35 until iso 1-LPS-345 was deleted.</p> <p>Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-2									
O1.C5.51.0043	1LPSW-345-35 Class 2 14B	1LPSW-345 O-ISIN4-124B-1.2	NDE-600	UT	CS		0.500 / 8.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.043, C05.051.043A
Circumferential			Pipe to Tee This weld was listed previously as 1-LPSW-345-35 until iso 1-LPSW-345 was redrawn. This weld was listed previously as 1-LPS-345-35 until iso 1-LPS-345 was deleted. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.						
O1.C5.51.0048	1LPS-911-19 Class 2 14B	1LPS-911 O-ISIN4-124B-1.2	NDE-25	MT	CS		0.500 / 8.000		C05.051.048, C05.051.048A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. This weld was listed previously as 1-14-20-73MA on weld iso 1-14-20 until it was transferred to iso 1LPSW-346 and then the weld was listed as 1-LPSW-346-19 on weld iso 1-LPSW-346 until it was transferred to iso 1LPS-911.						
O1.C5.51.0048	1LPS-911-19 Class 2 14B	1LPS-911 O-ISIN4-124B-1.2	NDE-600	UT	CS		0.500 / 8.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.048, C05.051.048A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. This weld was listed previously as 1-14-20-73MA on weld iso 1-14-20 until it was transferred to iso 1LPSW-346 and then the weld was listed as 1-LPSW-346-19 on weld iso 1-LPSW-346 until it was transferred to iso 1LPS-911.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-2									
O1.C5.51.0054	1LPS-702-47MA Class 2 14B 1LPS-702	1LPS-702	NDE-25	MT	CS		0.500 / 8.000		C05.051.054, C05.051.054A
Circumferential		O-ISIN4-124B-1.2	<p>Pipe to Elbow</p> <p>Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.</p> <p>This weld was listed previously as 1-14-19-47MA on iso 1-14-19 until it was transferred to iso 1LPS-702.</p>						
O1.C5.51.0054	1LPS-702-47MA Class 2 14B 1LPS-702	1LPS-702 O-ISIN4-124B-1.2	NDE-600	UT	CS		0.500 / 8.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.054, C05.051.054A
Circumferential			<p>Pipe to Elbow</p> <p>Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.</p> <p>This weld was listed previously as 1-14-19-47MA on iso 1-14-19 until it was transferred to iso 1LPS-702.</p>						
O1.C5.61.0002	1SGA-W251-4 Class 2 03A	OM 201.S-0157.001	NDE-35	PT	CS		0.300 / 3.000		C05.061.002, C05.061.002A
Circumferential		OM 201.S-0022.001 OM 201.S-0006.001	<p>Pipe to Elbow</p> <p>A Steam Generator (Auxiliary FeedWater Header)</p> <p>OM 201.S-0048.001 OM 201.S-0147.001</p> <p>This weld is located on riser piping associated with weld W254 (1SGA-W254) which is shown on drawing OM 201.S-0022 and also weld Riser Branch Butt weld W335 which is shown on drawing OM 201.S-0006.001. A Liquid Pentrant examination using procedure NDE-35 may be performed in lieu of the MT examination.</p> <p>The ID was determined from drawing OM 201.S-0006.001. It is weld 251 and part number (5204849) 4. We combined the 2 and the weld ID is 1SGA-W251-4.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-2									
01.C5.61.0002	1SGA-W251-4 Class 2 03A	OM 201.S-0157.001	NDE-12	RT	CS		0.300 / 3.000		C05.061.002, C05.061.002A
Circumferential		OM 201.S-0022.001 OM 201.S-0006.001	<p>Pipe to Elbow A Steam Generator (Auxiliary FeedWater Header) OM 201.S-0048.001 OM 201.S-0147.001 This weld is located on riser piping associated with weld W254 (1SGA-W254) which is shown on drawing OM 201.S-0022 and also weld Riser Branch Butt weld W335 which is shown on drawing OM 201.S-0006.001. A Liquid Pentrant examination using procedure NDE-35 may be performed in lieu of the MT examination. The ID was determined from drawing OM 201.S-0006.001. It is weld 251 and part number (5204849) 4. We combined the 2 and the weld ID is 1SGA-W251-4.</p>						
01.C5.61.0003	1SGA-W250-4 Class 2 03A	OM 201.S-0157.001	NDE-35	PT	CS		0.300 / 3.000		C05.061.003, C05.061.003A
Circumferential		OM 201.S-0022.001 OM 201.S-0006.001	<p>Elbow to Nozzle/Flange A Steam Generator (Auxiliary FeedWater Header) OM 201.S-0048.001 OM 201.S-0147.001 This weld is located on riser piping associated with weld W254 (1SGA-W254) which is shown on drawing OM 201.S-0022 and also weld Riser Branch Butt weld W335 which is shown on drawing OM 201.S-0006.001. A Liquid Pentrant examination using procedure NDE-35 may be performed in lieu of the MT examination. The ID was determined from drawing OM 201.S-0006.001. It is weld 250 and part number (5205000) 4. We combined the 2 and the weld ID is 1SGA-W250-4.</p>						
01.C5.61.0003	1SGA-W250-4 Class 2 03A	OM 201.S-0157.001	NDE-12	RT	CS		0.300 / 3.000		C05.061.003, C05.061.003A
Circumferential		OM 201.S-0022.001 OM 201.S-0006.001	<p>Elbow to Nozzle/Flange A Steam Generator (Auxiliary FeedWater Header) OM 201.S-0048.001 OM 201.S-0147.001 This weld is located on riser piping associated with weld W254 (1SGA-W254) which is shown on drawing OM 201.S-0022 and also weld Riser Branch Butt weld W335 which is shown on drawing OM 201.S-0006.001. A Liquid Pentrant examination using procedure NDE-35 may be performed in lieu of the MT examination. The ID was determined from drawing OM 201.S-0006.001. It is weld 250 and part number (5205000) 4. We combined the 2 and the weld ID is 1SGA-W250-4.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-2									
O1.C5.61.0004	1FDW-181-22 Class 2 03A	1FDW-181	NDE-35	PT	SS-CS		0.531 / 4.000		C05.061.004, C05.061.004A
Circumferential		OM 245-1856 O-ISIN4-121D-1.1	Reducer to Valve 1CCW-269 (Cast SS) The surface exam was completed in EOC-25 and the RT exam will be completed during EOC-26. Half credit (for this item) will be counted for in the percentages for EOC-25 and again in EOC-26 when the RT is completed..						
O1.C5.61.0035	1SGA-W335 Class 2 03A	OM 201.S-0157.001	NDE-12	RT			0.300 / 3.000		C05.061.
Circumferential		OM 201.S-0022.001 OM 201.S-0006.001	A Steam Generator (Auxiliary FeedWater Header) OM 201.S-0002.001 This weld is located on riser piping associated with weld W254 (1SGA-W254) which is shown on drawing OM 201.S-0022 and also weld Riser Branch Butt weld W335 which is shown on drawing OM 201.S-0006.001. A Liquid Penetrant examination using procedure NDE-35 may be performed in lieu of the MT examination. The ID was determined from drawing OM 2201.S-0006. The locations for W333 thru W338 are not in the order as shown on drawing OM-201.S-0157. We used OM 201.S-0022 to determine the order of welds W254 thru W259. Then we used OM 201.S-0006 to determine the order of welds W333 thru W338.						
O1.C5.61.0035	1SGA-W335 Class 2 03A	OM 201.S-0157.001	NDE-35	PT			0.300 / 3.000		C05.061.
Circumferential		OM 201.S-0022.001 OM 201.S-0006.001	A Steam Generator (Auxiliary FeedWater Header) OM 201.S-0002.001 This weld is located on riser piping associated with weld W254 (1SGA-W254) which is shown on drawing OM 201.S-0022 and also weld Riser Branch Butt weld W335 which is shown on drawing OM 201.S-0006.001. A Liquid Penetrant examination using procedure NDE-35 may be performed in lieu of the MT examination. The ID was determined from drawing OM 2201.S-0006. The locations for W333 thru W338 are not in the order as shown on drawing OM-201.S-0157. We used OM 201.S-0022 to determine the order of welds W254 thru W259. Then we used OM 201.S-0006 to determine the order of welds W333 thru W338.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-2									
O1.C5.81.0001	1FDW-305-3D								
Branch	Class 2 03A	1FDW-305 O-ISIN4-121D-1.1	NDE-35	PT	CS		0.218 / 2.000		C05.081.001
			Pipe to Half Coupling This weld was listed previously as 1-03A-4-3D on iso 1-03A-4(2) until it was transferred to iso 1FDW-305.						
O1.C5.81.0006	1SGA-W254								
Branch	Class 2 03A	OM 201.S-0022.001 OM 201.S-0002.001 O-ISIN4-121B-1.3	NDE-35	PT	CS		0.688 / 3.000		C05.081.006
			Aux Fdwtr Header to Riser Stub A Steam Generator Auxiliary Feedwater Header to Riser Branch Stub. OM 201.S-0157.001 A Liquid Penetrant examination using procedure NDE-35 may be performed in lieu of the MT examination.						
Category D-A									
O1.D1.10.0002	1-RBCC-A								
	Class 3 14B	OM 201-85 O-ISIN4-124B-1.1 O-437C	NDE-65	VT-1	NA		0.000 / 0.000		D01.010.002
			Attachment to Shell Reactor Building Component Cooler 1A. Welded Attachment at Support Legs A and B. Drawing O-437C was added to show stacking arrangement of Coolers.						
O1.D1.20.0002	1-02A-1-0-403A-H12								
Spring Hgr	Class 3 02A	1-01-06/sht.3 O-ISIN4-122A-1.4	NDE-65	VT-1	NA		0.500 / 6.000		D01.020.006
			Calculation No. OSC-325, page 91. Inspect with F01.032.011.						
Category ELC									
O1.H2.1.0008	1-PIA2-12								
Branch Dissimilar	Class 1 50	ISI-OCN1-008 OM-201-1845	NDE-35	PT	CS-Inconel		2.250 / 8.750		H02.001.008
			Pipe Salvaged to Pipe RTE Mounting Pipe. This weld covers the Z-W Quadrant. The diameter of hole that penetrates the nozzle into the RCP 1A2 Suction Piping = .613". Reference Section 7 of the ISI Plan, General Requirements.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category ELC									
O1.H3.1.0007	1-03-3-35C Class 2 03	1-03-3(1) O-ISIN4-121B-1.3	NDE-946	UT	CS		1.219 / 24.000	Component PDI-UT-1-O	H03.001.007
Circumferential	<p>Valve 1FDW-46 to Elbow</p> <p>Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld. PDI-UT-1 may be used in lieu of NDE-600 with cal block PDI-UT-1-O.</p> <p>Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>								
O1.H3.1.0007	1-03-3-35C Class 2 03	1-03-3(1) O-ISIN4-121B-1.3	NDE-600	UT	CS		1.219 / 24.000	Component PDI-UT-1-O	H03.001.007
Circumferential	<p>Valve 1FDW-46 to Elbow</p> <p>Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld. PDI-UT-1 may be used in lieu of NDE-600 with cal block PDI-UT-1-O.</p> <p>Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>								
O1.H3.1.0008	1-03-3-34C Class 3 03	1-03-3(1) O-ISIN4-121B-1.3	PDI-UT-1	UT	CS		1.219 / 24.000	Component PDI-UT-1-O	H03.001.008
Circumferential	<p>Elbow to Valve 1FDW-46</p> <p>Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld.</p> <p>PDI-UT-1 may be used in lieu of NDE-600 with cal block PDI-UT-1-O.</p> <p>Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>								

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category ELC									
O1.H3.1.0008	1-03-3-34C Class 3 03	1-03-3(1) O-ISIN4-121B-1.3	NDE-946	UT	CS		1.219 / 24.000	Component PDI-UT-1-O	H03.001.008
Circumferential	<p>Elbow to Valve 1FDW-46</p> <p>Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld.</p> <p>PDI-UT-1 may be used in lieu of NDE-600 with cal block PDI-UT-1-O.</p> <p>Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>								
O1.H3.1.0009	1-03-3-34G Class 3 03	1-03-3(1) O-ISIN4-121B-1.3	NDE-600	UT	CS		1.219 / 24.000	Component PDI-UT-1-O	H03.001.009
Circumferential	<p>Pipe to Elbow</p> <p>Weld 1-03-3-34C is a Elbow to Valve weld located on iso 1-03-3(1). Weld 1-03-3-34G is a Grinnell Subassembly (pipe to elbow) weld located on the opposite end of the elbow from weld 1-03-3-34C.</p> <p>Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld.</p> <p>PDI-UT-1 may be used in lieu of NDE-600 with cal block PDI-UT-1-O.</p> <p>Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>								
O1.H3.1.0009	1-03-3-34G Class 3 03	1-03-3(1) O-ISIN4-121B-1.3	NDE-946	UT	CS		1.219 / 24.000	Component PDI-UT-1-O	H03.001.009
Circumferential	<p>Pipe to Elbow</p> <p>Weld 1-03-3-34C is a Elbow to Valve weld located on iso 1-03-3(1). Weld 1-03-3-34G is a Grinnell Subassembly (pipe to elbow) weld located on the opposite end of the elbow from weld 1-03-3-34C.</p> <p>Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld.</p> <p>PDI-UT-1 may be used in lieu of NDE-600 with cal block PDI-UT-1-O.</p> <p>Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>								

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category ELC									
O1.H3.1.0010	1-03-3-33B Class 3 03	1-03-3(1) O-ISIN4-121B-1.3	NDE-600	UT	CS		1.219 / 24.000	Component PDI-UT-1-O	H03.001.010
Circumferential	<p>Elbow to Pipe</p> <p>Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld. PDI-UT-1 may be used in lieu of NDE-600 with cal block PDI-UT-1-O.</p> <p>Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>								
O1.H3.1.0010	1-03-3-33B Class 3 03	1-03-3(1) O-ISIN4-121B-1.3	NDE-946	UT	CS		1.219 / 24.000	Component PDI-UT-1-O	H03.001.010
Circumferential	<p>Elbow to Pipe</p> <p>Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld. PDI-UT-1 may be used in lieu of NDE-600 with cal block PDI-UT-1-O.</p> <p>Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>								
O1.H3.1.0011	1-03-3-33G Class 3 03	1-03-3(1) O-ISIN4-121B-1.3	NDE-600	UT	CS		1.219 / 24.000	Component PDI-UT-1-O	H03.001.011
Circumferential	<p>Pipe to Elbow</p> <p>Weld 1-03-3-33B is a Elbow to Pipe weld located on iso 1-03-3(1). Weld 1-03-3-33G is a Grinnell Subassembly (pipe to elbow) weld located on the opposite end of the elbow from weld 1-03-3-33B. Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld.</p> <p>PDI-UT-1 may be used in lieu of NDE-600 with cal block PDI-UT-1-O.</p> <p>Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>								

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category ELC									
O1.H3.1.0011	1-03-3-33G Class 3 03	1-03-3(1) O-ISIN4-121B-1.3	NDE-946	UT	CS		1.219 / 24.000	Component PDI-UT-1-O	H03.001.011
Circumferential			<p>Pipe to Elbow</p> <p>Weld 1-03-3-33B is a Elbow to Pipe weld located on iso 1-03-3(1). Weld 1-03-3-33G is a Grinnell Subassembly (pipe to elbow) weld located on the opposite end of the elbow from weld 1-03-3-33B.</p> <p>Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld.</p> <p>PDI-UT-1 may be used in lieu of NDE-600 with cal block PDI-UT-1-O.</p> <p>Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>						
O1.H4.1.0023	1-01A-0-550-H5 Class 2 01A	1-01-01/sht.2 O-ISIN4-122A-1.1	NDE-66	VT-3	NA		0.000 / 34.000		H04.001.023
Spring Hgr			<p>Calculation No. OSC-320, page 132</p>						
O1.H4.1.0024	1-01A-0-550-R3 Class 2 01A	1-01-01/sht.2 O-ISIN4-122A-1.1	NDE-25	MT	CS		1.000 / 34.000		H04.001.024, H04.001.024A
Rigid Support			<p>Calculation No. OSC-320, page 132</p> <p>– (H04.001.024A) Perform a Surface exam on the attachment welds.</p> <p>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.</p>						
O1.H4.1.0024	1-01A-0-550-R3 Class 2 01A	1-01-01/sht.2 O-ISIN4-122A-1.1	NDE-66	VT-3	CS		1.000 / 34.000		H04.001.024, H04.001.024A
Rigid Support			<p>Calculation No. OSC-320, page 132</p> <p>– (H04.001.024A) Perform a Surface exam on the attachment welds.</p> <p>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.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category ELC									
O1.H4.1.0025	1-01A-0-550-H6								
Spring Hgr	Class 2 01A	1-01-01/sht.2 O-ISIN4-122A-1.1	NDE-66	VT-3	NA		0.000 / 34.000		H04.001.025
Calculation No. OSC-320, page 132									
O1.H4.1.0026	1-01A-0-550-H7								
Rigid Support	Class 2 01A	1-01-01/sht.2 O-ISIN4-122A-1.1	NDE-66	VT-3	NA		0.000 / 34.000		H04.001.026
Calculation No. OSC-320, page 132									
O1.H4.1.0027	1-01A-0-550-H8								
Rigid Support	Class 2 01A	1-01-01/sht.2 O-ISIN4-122A-1.1	NDE-66	VT-3	NA		0.000 / 34.000		H04.001.027
Calculation No. OSC-320, page 132									
O1.H4.1.0028	1-01A-0-550-R5								
Mech Snubber	Class 2 01A	1-01-01/sht.2 O-ISIN4-122A-1.1	NDE-66	VT-3	NA		0.000 / 34.000		H04.001.028
Calculation No. OSC-320, page 132									
O1.H4.1.0029	1-01A-0-550-H9								
Rigid Support	Class 2 01A	1-01-01/sht.2 O-ISIN4-122A-1.1	NDE-66	VT-3	NA		0.000 / 34.000		H04.001.029.
Calculation No. OSC-320, page 132									
O1.H4.1.0030	1-01A-0-550-R6								
Mech Snubber	Class 2 01A	1-01-01/sht.2 O-ISIN4-122A-1.1	NDE-35	PT	CS		1.000 / 34.000		H04.001.030, H04.001.030A

Calculation No. OSC-320, page 132

-(H04.001.030A)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.

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category ELC									
O1.H4.1.0030	1-01A-0-550-R6 Class 2 01A	1-01-01/sht.2	NDE-66	VT-3	CS		1.000 / 34.000		H04.001.030, H04.001.030A
Mech Snubber		O-ISIN4-122A-1.1	<p>Calculation No. OSC-320, page 132 -(H04.001.030A)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.</p>						
O1.H5.1.0001	1-01A-0-550-H1 Class 2 01A	1-01-01/sht.1	NDE-25	MT	NA		0.500 / 0.000		H05.001.001
Spring Hgr		O-ISIN4-122A-1.1	<p>Calculation No. OSC-320, page 131.1. Perform MT examination on the attachment weld to the elbow. Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>						
O1.H5.1.0003	1-MS10A-A Class 2 01A	1MS-070	NDE-946	UT	CS		1.164 / 34.000		H05.001.003
Circumferential			<p>Elbow to Pipe Grinnell subassembly MS-10A. NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE- 600. If PDI-UT-1 is used, then the calibration block listed shall be used. NDE-946 is to be used for thickness measurements. Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>						
O1.H5.1.0003	1-MS10A-A Class 2 01A	1MS-070	NDE-600	UT	CS		1.164 / 34.000	Component	H05.001.003
Circumferential			<p>Elbow to Pipe Grinnell subassembly MS-10A. NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE- 600. If PDI-UT-1 is used, then the calibration block listed shall be used. NDE-946 is to be used for thickness measurements. Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>						
Category F-A									
O1.F1.10.0009	1-59-0-478A-H33 Class 1 59	1-59-03/sht.2	NDE-66	VT-3	NA		0.000 / 1.500		F01.010.009
Rigid Support		O-ISIN4-100A-1.1	<p>Calculation No. OSC-1311-06.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category F-A									
O1.F1.11.0006	1-53A-0-481A-H36C								
Rigid Restraint	Class 1 53A	1-51-15/sht.3 O-ISIN4-100A-1.2	NDE-66	VT-3	NA		0.000 / 1.500		F01.011.006
Calculation No. OSC-1304-06, page 63.									
O1.F1.20.0005	1-03-0-479A-H1B								
Rigid Support	Class 2 03	1-03-05/sht.2 O-ISIN4-121B-1.3	NDE-66	VT-3	NA		0.280 / 0.000		F01.020.011
Calculation No. OSC-1297-06. Inspect with C03.020.011.									
O1.F1.20.0012	1-51-0-435C-DE064								
Rigid Support	Class 2 51	1-51-02/sht.2 O-ISIN4-101A-1.3 O-1AB-15102-02	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.041
Calculation No. OSC-1535, page 136.									
O1.F1.20.0021	1-51-0-436D-SR9								
Rigid Support	Class 2 51	1-51-01/sht.1 O-ISIN4-101A-1.1 O-1AB-15101-01	NDE-66	VT-3	NA		0.750 / 4.000		F01.020.050
Calculation No. OSC-400, page 50.									
O1.F1.20.0024	1-51A-1-0-444-H2								
Rigid Support	Class 2 51A	1-51-07/sht.4 O-ISIN4-101A-1.4 O-1AB-15107-04	NDE-66	VT-3	NA		0.000 / 4.000		F01.020.063
Calculation No. OSC-1539, page 73. High Pressure Injection.									
O1.F1.20.0026	1-51A-6-0-435B-SR58								
Rigid Support	Class 2 51A	1-51-02/sht.2 O-ISIN4-101A-1.3 O-1AB-15102-02	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.065
Calculation No. OSC-1535, page 136. High Pressure Injection.									
O1.F1.20.0037	1-53B-435B-DE065								
Rigid Support	Class 2 53B	1-53-01/sht.1 O-ISIN4-102A-1.1 O-1AB-15301-01	NDE-66	VT-3	NA		0.000 / 10.000		F01.020.093
Calculation No. OSC-407.									

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category F-A									
O1.F1.20.0041	1-53B-5-0-439C-H33 Class 2 53B	1-53-02/sht.2 O-ISIN4-102A-1.2 O-1AB-15302-02	NDE-66	VT-3	NA		0.000 / 10.000		F01.020.097
Rigid Support									
			Calculation No. OSC-408.						
O1.F1.20.0044	1-53B-5-0-435B-H67 Class 2 53B	1-53-02/sht.2 O-ISIN4-102A-1.2 O-1AB-15302-02	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.100
Rigid Support									
			Calculation No. OSC-408.						
O1.F1.21.0006	1-14-0-479A-H19D Class 2 14	1-14-17/sht.1 O-ISIN4-124B-1.2	NDE-66	VT-3	NA		1.000 / 8.000		F01.021.034
Rigid Restraint									
			Calculation No. OSC-1306-06, page 6(5)-43.						
O1.F1.21.0009	1-14B-0-2479A-H2 Class 2 14B	1-14-16/sht.1 O-ISIN4-124B-1.2	NDE-66	VT-3	NA		0.750 / 6.000		F01.021.043
Rigid Restraint									
			Calculation No. OSC-1306-06, page 6(2)-43.						
O1.F1.21.0010	1-14B-0-479A-H3 Class 2 14B	1-14-12 O-ISIN4-124B-1.2	NDE-66	VT-3	NA		0.750 / 8.000		F01.021.044
Rigid Restraint									
			Calculation No. OSC-1306-06, page 6(3)-42. Support has 2 different weld attachments (3/4" plate and 3" pipe stanchion). Inspect with C03.020.041.						
O1.F1.21.0020	1-51A-0-478A-H13C Class 2 51A	1-55-03/sht.2 O-ISIN4-101A-1.1	NDE-66	VT-3	NA		0.000 / 2.500		F01.021.065
Rigid Restraint									
			Calculation No. OSC-1660-11, page 66.						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category F-A									
01.F1.21.0024	1-53A-0-479A-DBR-H0001 Class 2 53A	1-53-07/sht.1 O-ISIN4-102A-1.1	NDE-66	VT-3	NA		0.000 / 8.000		F01.021.081
	Rigid Restraint								
Calculation No. OSC-1301-06, page 93.									
01.F1.21.0029	1-53B-5-0-435-R8 Class 2 53B	1-53-02/sht.2 O-ISIN4-102A-1.2 O-1AB-15302-02	NDE-66	VT-3	NA		1.000 / 8.000		F01.021.095
	Rigid Restraint								
Calculation No. OSC-408. Inspect with C03.020.091.									
01.F1.21.0135	1-53B-0-435B-DE062 Class 2 53B	1-53-01/sht.1 O-ISIN4-102A-1.1 O-1AB-15301-01	NDE-66	VT-3			1.000 / 14.000		F01.021.
	Rigid Restraint								
Calculation No. OSC-407, page 104									
01.F1.21.0193	1LP-185-PEN # 57 Class 2 53A	1LP-185 O-62A O-62C	NDE-66	VT-3	CS		0.750 / 12.000		F01.021.097
	Rigid Restraint								
Calc No. OSC-1301-06 Page 92, Problem No. 1-53A-07, Drawing O-ISIN4-102A-1.1. Type II Penetration located on Reactor Bld side of Penetration # 57.									
01.F1.21.0207	1-20B-21-16-PEN # 19 Class 2 20B	1-20B-21-16 O-62A O-62C	NDE-66	VT-3	CS		1.00 / 48.000		F01.021
	Rigid Restraint								
Calculation No. OSC-968-01, O-1AB-120B01-01. Drawing O-ISIN4-116-1.1 Type I Penetration located on Reactor Bld side of Penetration # 19.									
01.F1.22.0024	1-53B-5-0-436D-H23 Class 2 53B	1-53-02/sht.1 O-ISIN4-102A-1.2 O-1AB-15302-01	NDE-66	VT-3	NA		0.237 / 10.000		F01.022.105
	Spring Hgr								
Calculation No. OSC-408. Inspect with C03.020.095.									

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category F-A									
O1.F1.22.0026	1-53B-3-0-444-R3 Class 2 53B	1-53-01/sht.2 O-ISIN4-102A-1.1 O-1AB-15301-02	NDE-66	VT-3	NA		0.375 / 12.000		F01.022.107
Constant Support Calculation No. OSC-407, page 105.1.									
O1.F1.22.0027	1-54A-0-435B-DE015 Class 2 54A	1-54-01/sht.1 O-ISIN4-103A-1.1	NDE-66	VT-3	NA		0.000 / 8.000		F01.022.111
Mech Snubber Calculation No. OSC-1628, page 60. Inspect with F01.050.056.									
O1.F1.30.0008	1-03A-1-0-400B-H131 Class 3 03A	1-03A-12/sht.1 O-ISIN4-121D-1.1	NDE-66	VT-3	NA		0.000 / 6.000		F01.030.034
Rigid Support Calculation No. OSC-1215, page 21.									
O1.F1.30.0035	1-07A-6-0-400B-H53 Class 3 07A	1-07A-01/sht.1 O-ISIN4-121A-1.8	NDE-66	VT-3	NA		0.000 / 20.000		F01.030.066
Rigid Support Calculation No. OSC-361, page 85.1									
O1.F1.30.0041	1-14B-437A-DE036 Class 3 14B	1-14-04/sht.2 O-ISIN4-124B-1.1	NDE-66	VT-3	NA		0.187 / 16.000		F01.030.093
Rigid Support Calculation No. OSC-396, page 77.									
O1.F1.30.0042	1-14B-436D-DE064 Class 3 14B	4-14-03/sht.4 O-ISIN4-121D-1.2	NDE-66	VT-3	NA		0.000 / 8.000		F01.030.094
Rigid Support Calculation No. OSC-394, page 79.									
O1.F1.30.0043	1-14B-400B-DE086 Class 3 14B	1-14A-01/sht.1 O-ISIN4-124A-1.1	NDE-66	VT-3	NA		0.000 / 24.000		F01.030.095
Rigid Support Calculation No. OS-395, page 40.									

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category F-A									
O1.F1.30.0601	1-03A-400B-H4443 Class 3 03A	1-03A-11/sht.6 O-ISIN4-121D-1.1 O-1TB-103A11-06	NDE-66 Rigid Support Support Iso # O-1TB-103A11-06	VT-3			0.000 / 6.000		---
O1.F1.30.0618	1-07A-402A-H4416 Class 3 07A	1-03A-11/sht.8 O-ISIN4-12A-1.7 O-1TB-103A11-08	NDE-66 Rigid Support Support Iso # O-1TB-103A11-08	VT-3			0.000 / 6.000		---
O1.F1.30.0619	1-07A-402A-H4417 Class 3 07A	1-03A-11/sht.8 O-ISIN4-12A-1.7 O-1TB-103A11-08	NDE-66 Rigid Support Support Iso # O-1TB-103A11-08	VT-3			0.500 / 6.000		---
O1.F1.31.0026	1-56-443-H5129 Class 3 56	4-56-02/sht.9 O-ISIN4-104A-1.1	NDE-66 Rigid Restraint Support Iso # O-1TB-103A11-08	VT-3	NA		0.000 / 8.000		F01.031.102
Calculation No. OSC-421, page 101.									
O1.F1.31.0225	1-03A-400B-H4442 Class 3 03A	1-03A-11/sht.6 O-ISIN4-121D-1.1 O-1TB-103A11-06	NDE-66 Rigid Restraint Support Iso # O-1TB-103A11-06	VT-3			0.000 / 6.000		---
O1.F1.31.0233	1-07A-402A-H4439 Class 3 07A	1-03A-11/sht.8 O-ISIN4-121A-1.7 O-1TB-103A11-08	NDE-66 Rigid Restraint Support Iso # O-1TB-103A11-08	VT-3			0.000 / 6.000		---

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category F-A									
01.F1.32.0003	1-02A-1-0-403A-H12 Class 3 02A	1-01-06/sht.3 O-ISIN4-122A-1.4	NDE-66	VT-3	NA		0.500 / 6.000		F01.032.011
Spring Hgr									
Calculation No. OSC-325, page 91. Inspect with D01.020.006.									
01.F1.32.0009	1-03A-1-0-400B-SR54 Class 3 03A	1-03A-09/sht.3 O-ISIN4-121D-1.1	NDE-66	VT-3	NA		0.203 / 6.000		F01.032.023
Hyd Snubber									
Calculation No. OSC-342, page 103. Inspect with F01.050.100.									
01.F1.32.0014	1-07A-6-0-402A-H8 Class 3 07A	1-07A-02/sht.1 O-ISIN4-121A-1.8	NDE-66	VT-3	NA		0.000 / 8.000		F01.032.051
Spring Hgr									
Calculation No. OSC-362, page 55.									
01.F1.40.0003	1-PZR-SUPPORT Class 1 50	OM 201-91 O-ISIN4-100A-1.1 OM 201-637	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.003
Pressurizer Support. Additional Drawing ISI-OCN-002.									
01.F1.40.0014	1-LPSW-PU-B Class 3 14B	OM 208-0027 O-ISIN4-124A-1.1	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.014
Low Pressure Service Water Pump 1B, Support Pad & Legs.									
01.F1.40.0017	1-RBCC-A Class 3 14B	OM 201-85 O-ISIN4-124B-1.1 O-437C	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.017
Reactor Building Component Cooler 1A Support A & B. Drawing O-437C was added to show stacking arrangement of Coolers.									

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category F-A									
O1.F1.40.0033	1-50-0-66A-RCPM-S9 Class 1 50	0-66A O-ISIN4-100A-1.1 O-66B	NDE-66	VT-3	NA		0.000 / 5.000		F01.040.035
Hyd Snubber									
Calculation No. OSC-0971-01-0009, Reactor Coolant Pump 1B1 Motor Snubbers. Reference PIP 0-096-1575. Inspect with Item No. F01.050.114.									
Category Q-A									
O1.Q1.1.0001	1RC-229-67V Class 1 50	ISI-OCN1-005 ISI-OCN1-015	PDI-UT-8	UT	SS-Inconel		1.000 / 10.750	DE-13-AX-01 DE-13-CIRC-01	Q01.001.001, Q01.001.001A
Circumferential Stress Weld		1RC-229							
Weld Overlay Steam Generator 1A Hot Leg Surge Nozzle Pc. 25. Weld 67V is listed on weld iso 1RC-229 but drawing ISI-OCN1-005 and ISI-OCN1-015 are listed as the iso's to show where the weld is located on the 1A Hot Leg Piping Loop and the location for the Surge line to Nozzle weld location. Drawing O-ISIN4-100A-1.1 Weld 1RC-229-67V is weld overlay that covers weld 1-PHA-17 and weld 1-PSL-10. Inspection in outage 3 does not count in the percentages. The inspection in outage 5 is part of the 25% of the total 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.									
O1.Q1.1.0002	1RC-230-57V Class 1 50	ISI-OCN1-002 ISI-OCN1-016	PDI-UT-8	UT	SS-Inconel	120	0.438 / 4.000	DE-6-AX-01 DE-6-CIRC-01	Q01.001.002, Q01.001.002A
Circumferential Terminal End Dissimilar		1RC-230							
Weld Overlay Pressurizer Spray Piping. Spray Nozzle Pc. 45 to Pipe 4" NPS Pc. 90. Weld 57V is listed on weld iso 1RC-230 but drawing ISI-OCN1-002 and ISI-OCN1-016 are listed as the iso's to show where the weld is located on the PZR Spray Line Piping and the location for the Spray line to Nozzle weld location on the Pressurizer. Drawing O-ISIN4-100A-1.1 Weld 1RC-230-57V is weld overlay that covers weld 1-PZR-WP45 and weld 1-PSP-1. Inspection in outage 3 does not count in the percentages. The inspection in outage 5 is part of the 25% of the total 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.									

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category Q-A									
O1.Q1.1.0003	1RC-229-68V Class 1 50	ISI-OCN1-002 O-ISIN4-100A-1.2	PDI-UT-8	UT	SS-CS		1.930 / 11.375	DE-13-AX-01 DE-13-CIRC-01	Q01.001.003, Q01.001.003A
	Circumferential Terminal End Dissimilar	1RC-229	<p>Weld Overlay</p> <p>Pressurizer Surge Nozzle Pc. 8 to Surge Nozzle Safe End Pc. 37. Weld 68V is listed on weld iso 1RC-229 but drawing ISI-OCN1-002 is listed as the iso to show Surge Nozzle to Safe-End location on the bottom of the Pressurizer. Weld 1RC-229-68V is weld overlay that covers weld 1-PZR-WP23. Inspection in outage 3 does not count in the percentage required (25%) for Appendix Q.</p>						
O1.Q1.1.0004	1-PZR-WP91-1-OL Class 1 50	ISI-OCN1-002 O-ISIN4-100A-1.2	PDI-UT-8	UT	SS-CS		0.000 / 2.500	DE-6-AX-01 DE-6-CIRC-01	Q01.001.004, Q01.001.004A
	Circumferential Terminal End Dissimilar	OM-201-1026	<p>Weld Overlay</p> <p>Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32. W-X Quadrant. Weld 1-PZR-WP91-1 has weld overlay added to it and now uses the ID 1-PZR-WP91-1-OL. Inspection in outage 3 does not count in the percentage required (25%) for Appendix Q.</p>						
O1.Q1.1.0005	1-PZR-WP91-2-OL Class 1 50	ISI-OCN1-002 O-ISIN4-100A-1.2	PDI-UT-8	UT	SS-CS		0.000 / 2.500	DE-6-AX-01 DE-6-CIRC-01	Q01.001.005, Q01.001.005A
	Circumferential Terminal End Dissimilar	OM-201-1026	<p>Weld Overlay</p> <p>Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32. X-Y Quadrant. Weld 1-PZR-WP91-2 has weld overlay added to it and now uses the ID 1-PZR-WP91-2-OL. Inspection in outage 3 does not count in the percentage required (25%) for Appendix Q.</p>						

FOR INFORMATION ONLY!

Oconee 1, 4th Interval, outage 4 (EOC-25)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category Q-A									
O1.Q1.1.0006	1-PZR-WP91-3-OL Class 1 50	ISI-OCN1-002 O-ISIN4-100A-1.2	PDI-UT-8	UT	SS-CS		0.000 / 2.500	DE-6-AX-01 DE-6-CIRC-01	Q01.001.006, Q01.001.006A
Circumferential Terminal End Dissimilar		OM-201-1026							
			Weld Overlay Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32, Z-W Quadrant. Weld 1-PZR-WP91-3 has weld overlay added to it and now uses the ID 1-PZR-WP91-3-OL. Inspection in outage 3 does not count in the percentage required (25%) for Appendix Q.						
O1.Q1.1.0007	1LP-140-25V Class 1 53A	ISI-OCN1-006 O-ISIN4-102A-1.1	PDI-UT-8	UT	SS-Inconel		1.125 / 12.000	DE-13-AX-01 DE-13-CIRC-01	----
Terminal End Dissimilar Stress Weld		1LP-140							
			Nozzle Buttering to Pipe Low Pressure Injection System. Decay Heat Nozzle Inconel Buttering Pc. 34 to Pipe 12" NPS. Weld 1LP-140-25V is listed on weld iso 1LP-140 but drawing ISI-OCN1-006 is listed as the iso to show where the weld is located on the "B" Hot Leg reactor coolant piping loop. Weld 1LP-140-25V is weld overlay that covers weld 1-PHB-17 and weld 1LP-140-1A . Inspection in outage 4 does not count in the percentages for Appendix Q.						

End of Report

STATISTICS ONLY	Class 1 187	Class 2 121	Class 3 26	Total by Class 334	Systems 332	Total Count 334
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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 4) had no 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 corrective actions required 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 are shown on the examination data sheets which are on file at Duke Energy's Corporate Office in Charlotte, North Carolina.

4.4 Limited Examinations

Limited examinations (i.e., less than or equal to 90% of the required examination coverage obtained for surface and volumetric exams on welds or less than 100% of the required examination area for Visual exams) identified during EOC 25 (Outage 4) are shown in the table below:

<u>Summary Number</u>	<u>Description of Limitation</u>
O1.B3.110.0006	See PIP O-09-08692 for corrective action on this limitation
O1.B3.110.0007	See PIP O-09-08692 for corrective action on this limitation
O1.B3.110.0008	See PIP O-09-08692 for corrective action on this limitation
O1.B3.110.0009	See PIP O-09-08692 for corrective action on this limitation
O1.B3.110.0010	See PIP O-09-08692 for corrective action on this limitation
O1.B3.150.0003	See PIP O-09-08692 for corrective action on this limitation
O1.B3.150.0004	See PIP O-09-08692 for corrective action on this limitation
O1.B9.11.0003	See PIP O-09-08692 for corrective action on this limitation
O1.B9.11.0050	See PIP O-09-08692 for corrective action on this limitation
O1.B9.11.0062	See PIP O-09-08692 for corrective action on this limitation
O1.C5.11.0028	See PIP O-09-08692 for corrective action on this limitation
O1.C5.21.0004	See PIP O-09-08692 for corrective action on this limitation
O1.C5.21.0027	See PIP O-09-08692 for corrective action on this limitation
O1.C5.21.0040	See PIP O-09-08692 for corrective action on this limitation
O1.C5.21.0051	See PIP O-09-08692 for corrective action on this limitation

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Inspection Results
Oconee 1, 4th Interval, Outage 4 (EOC-25)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
01.B10.10.0005	1-PZR-WP82-Y	50	10/29/09	CLR	N	N	N	MT-09-086
01.B13.10.0001	1-RPV-INT-SURFACE	50	10/25/09	CLR	N	N	N	VT-09-450
01.B14.10.0001	1-RPV-CRD-47WH9	50	10/19/09	CLR	N	N	N	PT-09-204
01.B14.10.0004	1-RPV-CRD-47W60	50	10/20/09	CLR	N	N	N	PT-09-205
01.B14.10.0007	1-RPV-CRD-47	50	10/19/09	CLR	N	N	N	PT-09-206
01.B14.10.0010	1-RPV-CRD-47W61	50	10/19/09	CLR	N	N	N	PT-09-207
01.B15.140.0001	1-PZR-HTR PLATES	50	10/12/09	CLR	N	N	N	VT-09-431
01.B15.140.0002	1-PZR-HTR-SLEEVES	50	10/12/09	CLR	N	N	N	VT-09-421
01.B15.210.0001	1RC-269-125V	50	10/11/09	CLR	N	N	N	VT-09-422
01.B15.210.0002	1-50-4-125	50	10/11/09	CLR	N	N	N	VT-09-423
01.B15.210.0003	1RC-273-143V	50	10/11/09	CLR	N	N	N	VT-09-430
01.B15.210.0004	1-50-4-143	50	10/11/09	CLR	N	N	N	VT-09-432

<i>Summary No</i>	<i>Component ID</i>	<i>System</i>	<i>Insp Date</i>	<i>Insp Status</i>	<i>Insp Limited</i>	<i>Geo Ref</i>	<i>RFR</i>	<i>Comment</i>
O1.B15.210.0005	1-50-4-131	50	10/11/09	CLR	N	N	N	VT-09-424
O1.B15.210.0006	1-50-4-135	50	10/11/09	CLR	N	N	N	VT-09-425
O1.B15.210.0007	1-50-4-44A	50	10/11/09	CLR	N	N	N	VT-09-433
O1.B15.210.0008	1-50-4-150	50	10/11/09	CLR	N	N	N	VT-09-434
O1.B15.210.0009	1-PHA-13	50	10/11/09	CLR	N	N	N	VT-09-426
O1.B15.210.0010	1-PHA-14	50	10/11/09	CLR	N	N	N	VT-09-427
O1.B15.210.0011	1-PHA-15	50	10/11/09	CLR	N	N	N	VT-09-428
O1.B15.210.0012	1-PHB-13	50	10/11/09	CLR	N	N	N	VT-09-435
O1.B15.210.0013	1-PHB-14	50	10/11/09	CLR	N	N	N	VT-09-436
O1.B15.210.0014	1-PHB-15	50	10/11/09	CLR	N	N	N	VT-09-437
O1.B15.210.0015	1SGA-HL-CON-27	50	10/11/09	CLR	N	N	N	VT-09-429
O1.B15.210.0016	1SGB-HL-CON-36	50	10/11/09	CLR	N	N	N	VT-09-438
O1.B15.215.0003	1-PIB1-11	50	10/12/09	CLR	N	N	N	VT-09-409
O1.B15.215.0004	1-51A-07-7E	51A	10/12/09	CLR	N	N	N	VT-09-410

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O1.B15.215.0005	1-PIA1-7	50	10/12/09	CLR	N	N	N	VT-09-411
O1.B15.215.0006	1-PIA2-7	50	10/12/09	CLR	N	N	N	VT-09-412
O1.B15.215.0007	1-PIB1-7	50	10/12/09	CLR	N	N	N	VT-09-413
O1.B15.215.0008	1-PIB2-7	50	10/12/09	CLR	N	N	N	VT-09-414
O1.B15.215.0009	1-PDA1-2	50	10/12/09	CLR	N	N	N	VT-09-415
O1.B15.215.0028	1-PIA2-12	50	10/12/09	CLR	N	N	N	VT-09-416
O1.B15.215.0031	1SGA-1A1-SUCT-CON-3	50	10/12/09	CLR	N	N	N	VT-09-417
O1.B15.215.0032	1SGA-1A2-SUCT-CON-7	50	10/12/09	CLR	N	N	N	VT-09-418
O1.B15.215.0033	1SGB-1B1-SUCT-CON-11	50	10/12/09	CLR	N	N	N	VT-09-419
O1.B15.215.0034	1SGB-1B2-SUCT-CON-14	50	10/12/09	CLR	N	N	N	VT-09-420
O1.B15.80.0001	1-RPV-BMI-NOZZLES	50	10/12/09	CLR	N	N	N	VT-09-451
O1.B2.40.0002	1-SGA-W22	50	11/03/09	CLR	N	N	N	UT-09-352
		50	11/03/09	CLR	Y	N	N	UT-09-353
O1.B3.110.0006	1-PZR-WP26-4	50	10/28/09	CLR	Y	N	Y	UT-09-323

PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O1.B3.110.0006	1-PZR-WP26-4	50	10/28/09	CLR	Y	N	Y	UT-09-330 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
		50	10/28/09	CLR	Y	N	Y	UT-09-325 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
O1.B3.110.0007	1-PZR-WP26-5	50	10/28/09	CLR	Y	N	Y	UT-09-331 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
		50	10/28/09	CLR	Y	N	Y	UT-09-326 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
O1.B3.110.0008	1-PZR-WP26-6	50	10/28/09	CLR	Y	N	Y	UT-09-332 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
		50	10/28/09	CLR	Y	N	Y	UT-09-327 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
O1.B3.110.0009	1-PZR-WP26-1	50	10/28/09	CLR	Y	N	Y	UT-09-328 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
		50	10/28/09	CLR	Y	N	Y	UT-09-324 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
O1.B3.110.0010	1-PZR-WP26-2	50	10/28/09	CLR	Y	N	Y	UT-09-324 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O1.B3.110.0010	1-PZR-WP26-2	50	10/28/09	CLR	Y	N	Y	UT-09-329 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
O1.B3.120.0006	1-PZR-WP26-4	50	10/28/09	CLR	N	N	N	UT-09-340
O1.B3.120.0007	1-PZR-WP26-5	50	10/28/09	CLR	N	N	N	UT-09-341
O1.B3.120.0008	1-PZR-WP26-6	50	10/28/09	CLR	N	N	N	UT-09-342
O1.B3.120.0009	1-PZR-WP26-1	50	10/28/09	CLR	N	N	N	UT-09-343
O1.B3.120.0010	1-PZR-WP26-2	50	10/28/09	CLR	N	N	N	UT-09-344
O1.B3.140.0001	1-SGA-OUTLET	50	10/19/09	CLR	N	N	N	VT-N/A
O1.B3.140.0002	1-SGA-OUTLET	50	10/19/09	CLR	N	N	N	VT-N/A
O1.B3.140.0003	1-SGB-OUTLET	50	10/19/09	CLR	N	N	N	VT-N/A
O1.B3.140.0004	1-SGB-OUTLET	50	10/19/09	CLR	N	N	N	VT-N/A
O1.B3.140.0005	1-SGA-INLET	50	10/16/09	CLR	N	N	N	VT-N/A
O1.B3.140.0006	1-SGB-INLET	50	10/17/09	CLR	N	N	N	VT-N/A
O1.B3.150.0003	1-51A-1-53755-V1	51A	10/29/09	CLR	Y	N	Y	UT-09-335 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O1.B3.150.0004	1-51A-1-53755-V2	51A	10/29/09	CLR	Y	N	Y	UT-09-336 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
O1.B3.160.0003	1-51A-1-53755-V1	51A						UT-N/A This item was not examined . See Relief Request 04-ON-015.
O1.B3.160.0004	1-51A-1-53755-V2	51A						UT-N/A This item was not examined. See Relief Request 04-ON-015.
O1.B6.60.0001	1-PZR-STUDS		10/29/09	CLR	N	N	N	UT-09-319
O1.B7.20.0002	1-PZR-CHB-STUDS		10/12/09	CLR	N	N	N	VT-09-439
O1.B7.70.0007	1-53A-LP1-STUDS	53A	10/19/09	CLR	N	N	N	VT-09-445
O1.B9.11.0001	1-51A-04-3C	51A	10/26/09	CLR	N	N	N	PT-09-228
		51A	10/29/09	CLR	N	N	N	UT-09-317
O1.B9.11.0002	1-53A-01-6L	53A	10/27/09	CLR	N	N	N	PT-09-248
		53A	10/29/09	CLR	N	N	N	UT-09-333
O1.B9.11.0003	1LP-209-8L	53A	10/26/09	CLR	N	N	N	PT-09-229
		53A	10/27/09	CLR	Y	N	Y	UT-09-315 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
O1.B9.11.0008	1-PDA1-2	50	10/22/09	CLR	N	Y	N	BOP-UT-09-091

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
01.B9.11.0008	1-PDA1-2	50	10/23/09	CLR	N	N	N	PT-09-218
01.B9.11.0010	1-PDA2-2	50	10/21/09	CLR	N	N	N	PT-09-210
		50	10/20/09	CLR	N	Y	N	UT-09-283
01.B9.11.0012	1-PDB1-2	50	10/26/09	CLR	N	N	N	PT-09-225
		50	10/24/09	CLR	N	Y	N	UT-09-287
01.B9.11.0014	1-PDB2-2	50	10/26/09	CLR	N	N	N	PT-09-226
		50	10/24/09	CLR	N	Y	N	UT-09-289
01.B9.11.0026	1-PIA2-7	50	10/17/09	CLR	N	N	N	PT-09-200
		50	10/16/09	CLR	N	N	N	UT-09-264
01.B9.11.0028	1-PIB1-7	50	10/20/09	CLR	N	N	N	PT-09-203
		50	10/18/09	CLR	N	Y	N	UT-09-263
01.B9.11.0031	1-PIB2-7	50	10/25/09	CLR	N	N	N	PT-09-222
		50	10/23/09	CLR	N	N	N	UT-09-313
01.B9.11.0050	1-PIA2-9	50	10/17/09	CLR	N	N	N	PT-09-201
		50	10/18/09	CLR	Y	N	Y	UT-09-260

Best Effort Exam for upper 2/3 of the area of interest.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
01.B9.11.0050	1-PIA2-9	50	10/18/09	CLR	Y	N	Y	UT-09-261 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
01.B9.11.0062	1-PDA2-1	50	10/30/09	CLR	N	N	N	PT-09-245
		50	10/31/09	CLR	Y	N	Y	UT-09-337 Best Effort Exam for the upper 2/3 of the area of interest.
		50	10/30/09	CLR	Y	N	Y	UT-09-349 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
01.B9.21.0001	1-50-01-21	50	10/16/09	CLR	N	N	N	PT-09-199
01.B9.21.0007	1HP-190-59C	51A	10/28/09	CLR	N	N	N	PT-09-230
01.B9.21.0008	1HP-190-65C	51A	10/28/09	CLR	N	N	N	PT-09-231
01.B9.21.0014	1-51A-134A-43	51A	10/30/09	CLR	N	N	N	PT-09-243
01.B9.21.0017	1-51A-136-36	51A	10/30/09	CLR	N	N	N	PT-09-244
01.B9.21.0021	1-PDA2-11	50	10/21/09	CLR	N	N	N	PT-09-211
01.B9.21.0022	1-PDB1-11	51A	10/14/09	CLR	N	N	N	PT-09-189
01.B9.21.0023	1-PDB2-11	51A	10/14/09	CLR	N	N	N	PT-09-191
01.B9.21.0025	1-PIA2-11	50	10/16/09	CLR	N	N	N	PT-09-194

<i>Summary No</i>	<i>Component ID</i>	<i>System</i>	<i>Insp Date</i>	<i>Insp Status</i>	<i>Insp Limited</i>	<i>Geo Ref</i>	<i>RFR</i>	<i>Comment</i>
01.B9.21.0034	1-PSP-6	50	10/28/09	CLR	N	N	N	PT-09-235
01.B9.21.0035	1-PSP-8	50	10/28/09	CLR	N	N	N	PT-09-236
01.B9.21.0045	1LP-102-10	53A	10/22/09	CLR	N	N	N	PT-09-212
01.B9.21.0051	1RC-201-101	51A	10/14/09	CLR	N	N	N	PT-09-192
01.B9.21.0052	1RC-201-105	51A	10/14/09	CLR	N	N	N	PT-09-193
01.B9.21.0054	1RC-201-92	51A	10/14/09	CLR	N	N	N	PT-09-190
01.B9.32.0001	1-PDA1-10	50	10/26/09	CLR	N	N	N	MT-09-082
01.B9.32.0003	1-PDA2-10	50	10/21/09	CLR	N	N	N	MT-09-081
01.B9.32.0008	1-PIA2-10	50	10/16/09	CLR	N	N	N	MT-09-079
01.B9.40.0001	1-50-01-179	50	10/16/09	CLR	N	N	N	PT-09-195
01.B9.40.0002	1-50-01-183	50	10/16/09	CLR	N	N	N	PT-09-196
01.B9.40.0003	1-50-01-206	50	10/16/09	CLR	N	N	N	PT-09-197
01.B9.40.0004	1-50-01-209	50	10/16/09	CLR	N	N	N	PT-09-198
01.B9.40.0008	1-51A-135-25	51A	10/30/09	CLR	N	N	N	PT-09-242

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O1.C2.21.0001	1-SGA-W127	03	11/03/09	CLR	N	N	N	MT-09-093
		03	11/03/09	CLR	N	N	N	UT-09-354
		03	11/03/09	CLR	N	N	N	UT-09-355
O1.C3.20.0005	1-03-0-479A-H1B	03	10/16/09	CLR	N	N	N	MT-09-080
O1.C3.20.0010	1-14B-0-479A-H3	14B	10/28/09	CLR	N	N	N	MT-09-085
O1.C3.20.0017	1-53B-5-0-435-R8	53B	07/27/09	CLR	N	N	N	PT-09-188
O1.C3.20.0174	1-53B-4-0-435B-H10	53B	07/27/09	CLR	N	N	N	PT-09-183
O1.C3.20.0175	1-53B-0-435B-DE062	53B	07/27/09	CLR	N	N	N	PT-09-187
O1.C3.20.0223	1LP-185-PEN # 57	53A	10/24/09	CLR	N	N	N	PT-09-219
O1.C3.20.0237	1-20B-21-16-PEN # 19	20B	10/30/09	CLR	N	N	N	MT-09-087
O1.C5.11.0028	1-53A-02-65L	53A	10/20/09	CLR	N	N	N	PT-09-208
		53A	10/20/09	CLR	Y	N	Y	UT-09-267
PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.								
O1.C5.11.0046	1-53A-02-63L	53A	10/20/09	CLR	N	N	N	PT-09-209
		53A	10/20/09	CLR	N	N	N	UT-09-266

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
01.C5.11.0047	1-53A-01-28L	53A	10/25/09	CLR	N	N	N	PT-09-223
		53A	10/25/09	CLR	N	Y	N	UT-09-285
01.C5.11.0062	1LP-207-1	53A	10/21/09	CLR	N	N	N	PT-09-213
		53A	10/22/09	CLR	N	N	N	UT-09-276
01.C5.11.0063	1LP-207-2	53A	10/21/09	CLR	N	N	N	PT-09-214
		53A	10/22/09	CLR	N	N	N	UT-09-277
01.C5.11.0064	1LP-207-3	53A	10/21/09	CLR	N	N	N	PT-09-215
		53A	10/22/09	CLR	N	N	N	UT-09-278
01.C5.11.0065	1LP-207-7	53A	10/21/09	CLR	N	N	N	PT-09-216
		53A	10/22/09	CLR	N	Y	N	UT-09-279
01.C5.11.0066	1LP-207-8	53A	10/21/09	CLR	N	N	N	PT-09-217
		53A	10/22/09	CLR	N	N	N	UT-09-280
01.C5.11.0067	1LP-208-1	53A	10/25/09	CLR	N	N	N	PT-09-224
		53A	10/25/09	CLR	N	N	N	UT-09-284
01.C5.11.0102	1LPS-746-8	14B	07/20/09	CLR	N	N	N	PT-09-178
		14B	07/21/09	CLR	N	N	N	UT-09-231

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O1.C5.11.0103	1LPS-750-3	14B	10/25/09	CLR	N	N	N	PT-09-220
		14B	10/26/09	CLR	N	N	N	UT-09-297
O1.C5.21.0004	1-51A-04-1C	51A	10/25/09	CLR	N	N	N	PT-09-221
		51A	10/26/09	CLR	Y	Y	Y	UT-09-296 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
O1.C5.21.0017	1HP-200-17	51A	10/25/09	CLR	N	N	N	PT-09-227
		51A	10/26/09	CLR	N	N	N	UT-09-298
O1.C5.21.0027	1HP-387-118A	51A	07/28/09	CLR	N	N	N	PT-09-184
		51A	07/28/09	CLR	Y	N	Y	UT-09-234 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
O1.C5.21.0033	1-51A-02-20B	51A	10/28/09	CLR	N	N	N	PT-09-232
		51A	10/29/09	CLR	N	N	N	UT-09-321
O1.C5.21.0040	1HP-193-17	51A	07/20/09	CLR	N	N	N	PT-09-177
		51A	07/22/09	CLR	Y	N	Y	UT-09-235 PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
O1.C5.21.0048	1-51A-01-84A	51A	07/28/09	CLR	N	N	N	PT-09-179

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O1.C5.21.0048	1-51A-01-84A	51A	07/28/09	CLR	N	N	N	UT-09-232
O1.C5.21.0051	1-51A-02-16BH	51A	10/28/09	CLR	N	N	N	PT-09-233
		51A	10/29/09	CLR	Y	N	Y	UT-09-322
								PIP O-09-08692 was written to document and determine the corrective action for the limited coverage achieved for this exam.
O1.C5.21.0055	1-51A-02-56B	51A	10/28/09	CLR	N	N	N	PT-09-234
		51A	10/29/09	CLR	N	N	N	UT-09-320
O1.C5.21.0069	1HP-367-22	51B	07/21/09	CLR	N	N	N	PT-09-174
		51B	07/23/09	CLR	N	N	N	UT-09-233
O1.C5.30.0010	1HP-470-5	51B	07/27/09	CLR	N	N	N	PT-09-185
O1.C5.30.0011	1HP-470-12	51B	07/27/09	CLR	N	N	N	PT-09-186
O1.C5.30.0012	1HP-471-3	51B	07/27/09	CLR	N	N	N	PT-09-181
O1.C5.30.0013	1HP-471-4	51B	07/27/09	CLR	N	N	N	PT-09-180
O1.C5.41.0003	1LP-004-12J	53B	07/21/09	CLR	N	N	N	PT-09-175
O1.C5.41.0004	1LP-004-12JA	53B	07/21/09	CLR	N	N	N	PT-09-176
O1.C5.41.0011	1-51A-01-54A	51A	07/27/09	CLR	N	N	N	PT-09-182

<i>Summary No</i>	<i>Component ID</i>	<i>System</i>	<i>Insp Date</i>	<i>Insp Status</i>	<i>Insp Limited</i>	<i>Geo Ref</i>	<i>RFR</i>	<i>Comment</i>
01.C5.51.0008	1MS-001-29E	01A	10/13/09	CLR	N	N	N	MT-09-077
		01A	10/13/09	CLR	N	Y	N	UT-09-236
01.C5.51.0016	1-MS2A-A	01A	10/26/09	CLR	N	N	N	MT-09-083
		01A	10/27/09	CLR	N	N	N	UT-09-300
01.C5.51.0021	1FDW-249-43B	03	10/30/09	CLR	N	N	N	MT-09-090
		03	10/30/09	CLR	N	Y	N	UT-09-334
01.C5.51.0027	1-FWD65-A	03	10/27/09	CLR	N	N	N	MT-09-092
		03	11/01/09	CLR	N	N	N	UT-09-339
01.C5.51.0029	1-FWD87-A	03	10/30/09	CLR	N	N	N	MT-09-089
		03	10/29/09	CLR	N	N	N	UT-09-316
01.C5.51.0034	1-20B-21-16-7	20B	10/30/09	CLR	N	N	N	MT-09-088
		20B	10/31/09	CLR	N	N	N	UT-09-338
01.C5.51.0037	1-LPSW-344-18	14B	10/26/09	CLR	N	N	N	MT-09-084
		14B	10/26/09	CLR	N	Y	N	UT-09-302
01.C5.51.0043	1LPSW-345-35	14B	07/21/09	CLR	N	N	N	MT-09-075
		14B	07/21/09	CLR	N	N	N	UT-09-228

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
01.C5.51.0048	1LPS-911-19	14B	07/21/09	CLR	N	N	N	MT-09-074
		14B	07/21/09	CLR	N	N	N	UT-09-229
01.C5.51.0054	1LPS-702-47MA	14B	07/21/09	CLR	N	N	N	MT-09-076
		14B	07/21/09	CLR	N	N	N	UT-09-230
01.C5.61.0002	1SGA-W251-4	03A	10/30/09	CLR	N	N	N	PT-09-237
		03A	11/02/09	CLR	N	N	N	RT-N/A
01.C5.61.0003	1SGA-W250-4	03A	10/30/09	CLR	N	N	N	PT-09-240
		03A	11/02/09	CLR	N	N	N	RT-N/A
01.C5.61.0004	1FDW-181-22	03A	10/30/09	CLR	N	N	N	PT-09-241
01.C5.61.0035	1SGA-W335	03A	10/30/09	CLR	N	N	N	PT-09-238
		03A	11/02/09	CLR	N	N	N	RT-N/A
01.C5.81.0001	1FDW-305-3D	03A	11/01/09	CLR	N	N	N	PT-09-246
01.C5.81.0006	1SGA-W254	03A	10/30/09	CLR	N	N	N	PT-09-239
01.D1.10.0002	1-RBCC-A	14B	08/19/09	CLR	N	N	N	VT-09-388
01.D1.20.0002	1-02A-1-0-403A-H12	02A	09/21/09	CLR	N	N	N	VT-09-394

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
01.F1.10.0009	1-59-0-478A-H33	59	11/18/09	CLR	N	N	N	VT-09-458
01.F1.11.0006	1-53A-0-481A-H36C	53A	10/19/09	CLR	N	N	N	VT-09-446
01.F1.20.0005	1-03-0-479A-H1B	03	10/13/09	CLR	N	N	N	VT-09-442
01.F1.20.0012	1-51-0-435C-DE064	51	08/19/09	CLR	N	N	N	VT-09-389
01.F1.20.0021	1-51-0-436D-SR9	51	08/03/09	CLR	N	N	N	VT-09-383
01.F1.20.0024	1-51A-1-0-444-H2	51A	10/20/09	CLR	N	N	N	VT-09-447
01.F1.20.0026	1-51A-6-0-435B-SR58	51A	08/19/09	CLR	N	N	N	VT-09-390
01.F1.20.0037	1-53B-435B-DE065	53B	07/29/09	REC	N	N	N	VT-09-377
								The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 00992022 was written to correct problems.
01.F1.20.0041	1-53B-5-0-439C-H33	53B	07/23/09	CLR	N	N	N	VT-09-376
01.F1.20.0044	1-53B-5-0-435B-H67	53B	07/29/09	CLR	N	N	N	VT-09-381
01.F1.21.0006	1-14-0-479A-H19D	14	10/27/09	CLR	N	N	N	VT-09-453
01.F1.21.0009	1-14B-0-2479A-H2	14B	10/27/09	CLR	N	N	N	VT-09-452
01.F1.21.0010	1-14B-0-479A-H3	14B	10/26/09	CLR	N	N	N	VT-09-454

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
01.F1.21.0020	1-51A-0-478A-H13C	51A	11/23/09	CLR	N	N	N	VT-09-459
01.F1.21.0024	1-53A-0-479A-DBR-H0001	53A	10/19/09	CLR	N	N	N	VT-09-448
01.F1.21.0029	1-53B-5-0-435-R8	53B	07/29/09	CLR	N	N	N	VT-09-382
01.F1.21.0135	1-53B-0-435B-DE062	53B	08/03/09	CLR	N	N	N	VT-09-384
01.F1.21.0193	1LP-185-PEN # 57	53A	10/21/09	CLR	N	N	N	VT-09-449
01.F1.21.0207	1-20B-21-16-PEN # 19	20B	10/13/09	CLR	N	N	N	VT-09-441
01.F1.22.0024	1-53B-5-0-436D-H23	53B	08/03/09	REC	N	N	N	VT-09-385
								The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 00992167 was written to correct problems.
01.F1.22.0026	1-53B-3-0-444-R3	53B	08/04/09	CLR	N	N	N	VT-09-386
01.F1.22.0027	1-54A-0-435B-DE015	54A	07/29/09	CLR	N	N	N	VT-09-379
01.F1.30.0008	1-03A-1-0-400B-H131	03A	09/21/09	REC	N	N	N	VT-09-392
								The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 991685 was written to correct problems.
01.F1.30.0035	1-07A-6-0-400B-H53	07A	09/21/09	CLR	N	N	N	VT-09-395
01.F1.30.0041	1-14B-437A-DE036	14B	08/03/09	CLR	N	N	N	VT-09-387

<i>Summary No</i>	<i>Component ID</i>	<i>System</i>	<i>Insp Date</i>	<i>Insp Status</i>	<i>Insp Limited</i>	<i>Geo Ref</i>	<i>RFR</i>	<i>Comment</i>
01.F1.30.0042	1-14B-436D-DE064	14B	07/29/09	CLR	N	N	N	VT-09-380
01.F1.30.0043	1-14B-400B-DE086	14B	09/21/09	CLR	N	N	N	VT-09-396
01.F1.30.0601	1-03A-400B-H4443	03A	09/21/09	CLR	N	N	N	VT-09-397
01.F1.30.0618	1-07A-402A-H4416	07A	09/17/09	CLR	N	N	N	VT-09-398
01.F1.30.0619	1-07A-402A-H4417	07A	09/17/09	CLR	N	N	N	VT-09-399
01.F1.31.0026	1-56-443-H5129	56	07/23/09	CLR	N	N	N	VT-09-375
01.F1.31.0225	1-03A-400B-H4442	03A	09/23/09	CLR	N	N	N	VT-09-404
01.F1.31.0233	1-07A-402A-H4439	07A	09/17/09	CLR	N	N	N	VT-09-400
01.F1.32.0003	1-02A-1-0-403A-H12	02A	09/21/09	CLR	N	N	N	VT-09-393
01.F1.32.0009	1-03A-1-0-400B-SR54	03A	09/21/09	CLR	N	N	N	VT-09-403
01.F1.32.0014	1-07A-6-0-402A-H8	07A	09/17/09	CLR	N	N	N	VT-09-401
01.F1.40.0003	1-PZR-SUPPORT	50	10/14/09	CLR	N	N	N	VT-09-440
01.F1.40.0014	1-LPSW-PU-B	14B	09/21/09	CLR	N	N	N	VT-09-402
01.F1.40.0017	1-RBCC-A	14B	08/19/09	CLR	N	N	N	VT-09-391

<i>Summary No</i>	<i>Component ID</i>	<i>System</i>	<i>Insp Date</i>	<i>Insp Status</i>	<i>Insp Limited</i>	<i>Geo Ref</i>	<i>RFR</i>	<i>Comment</i>
O1.F1.40.0033	1-50-0-66A-RCPM-S9	50	10/25/09	CLR	N	N	N	VT-09-455
O1.G1.1.0001	1-RCP-1A1	50	10/17/09	CLR	N	N	N	UT-09-258
O1.G1.1.0002	1-RCP-1A2	50	10/14/09	CLR	N	N	N	UT-09-237
O1.G1.1.0003	1-RCP-1B1	50	10/17/09	CLR	N	N	N	UT-09-259
O1.G1.1.0004	1-RCP-1B2	50	10/14/09	CLR	N	N	N	UT-09-238
O1.G12.1.0005	1-PDB1-11	51A	10/14/09	CLR	N	N	N	UT-09-246
O1.G12.1.0006	1-PDB2-11	51A	10/14/09	CLR	N	N	N	UT-09-249
O1.G12.1.0007	1-PDA1-11	51A	10/25/09	CLR	N	N	N	UT-09-291
O1.G12.1.0008	1-PDA2-11	51A	10/25/09	CLR	N	N	N	UT-09-293
O1.G12.2.0001	1-RPV-WR53	50	10/25/09	CLR	Y	N	N	UT-N/A
O1.G12.2.0002	1-RPV-WR53A	50	10/25/09	CLR	Y	N	N	UT-N/A
O1.G12.2.0005	1-PIA1-7	50	10/21/09	CLR	N	Y	N	UT-09-275
O1.G12.2.0006	1-PIA2-7	50	10/16/09	CLR	N	N	N	UT-09-265
O1.G12.2.0007	1-PIB1-7	50	10/18/09	CLR	N	Y	N	UT-09-262

<i>Summary No</i>	<i>Component ID</i>	<i>System</i>	<i>Insp Date</i>	<i>Insp Status</i>	<i>Insp Limited</i>	<i>Geo Ref</i>	<i>RFR</i>	<i>Comment</i>
01.G12.2.0008	1-PIB2-7	50	10/23/09	CLR	N	N	N	UT-09-314
01.G12.2.0009	1-PDA1-2	50	10/22/09	CLR	N	Y	N	UT-09-274
01.G12.2.0010	1-PDA2-2	50	10/20/09	CLR	N	Y	N	UT-09-282
01.G12.2.0011	1-PDB1-2	50	10/24/09	CLR	N	Y	N	UT-09-288
01.G12.2.0012	1-PDB2-2	50	10/24/09	CLR	N	Y	N	UT-09-286
01.G2.1.0001	1-PDB1-46	51A	10/15/09	CLR	N	N	N	UT-09-239
01.G2.1.0002	1-PDA2-46	51A	10/22/09	CLR	N	N	N	UT-09-268
01.G2.1.0003	1-PDA1-46	51A	10/27/09	CLR	N	N	N	UT-09-301
01.G2.1.0004	1-PDB2-46	51A	10/15/09	CLR	N	N	N	UT-09-252
01.G2.1.0005	1-PDA1-11	51A	10/25/09	CLR	N	N	N	UT-09-290
01.G2.1.0006	1-PDA2-11	51A	10/25/09	CLR	N	N	N	UT-09-294
01.G2.1.0007	1-PDB2-11	51A	10/14/09	CLR	N	N	N	UT-09-250
01.G2.1.0008	1-PDB1-11	51A	10/14/09	CLR	N	N	N	UT-09-247
01.G2.1.0009	1-PDA1-47	51A	10/25/09	CLR	N	N	N	UT-09-292

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
01.G2.1.0010	1-PDB2-47	51A	10/14/09	CLR	N	N	N	UT-09-251
01.G2.1.0011	1-PDB1-47	51A	10/14/09	CLR	N	N	N	UT-09-248
01.G2.1.0012	1-PDA2-47	51A	10/25/09	CLR	N	N	N	UT-09-295
01.G2.1.0013	1RC-200-161	51A	10/22/09	CLR	N	N	N	UT-09-269
01.G2.1.0014	1RC-201-101	51A	10/15/09	CLR	N	N	N	UT-09-241
01.G2.1.0015	1RC-201-105	51A	10/15/09	CLR	N	N	N	UT-09-254
01.G2.1.0016	1RC-199-154	51A	10/27/09	CLR	N	N	N	UT-09-307
01.G2.1.0017	1RC-201-92	51A	10/15/09	CLR	N	N	N	UT-09-256
01.G2.1.0018	1RC-200-160	51A	10/22/09	CLR	N	N	N	UT-09-271
01.G2.1.0019	1RC-201-97	51A	10/15/09	CLR	N	N	N	UT-09-242
01.G2.1.0020	1RC-199-149	51A	10/27/09	CLR	N	N	N	UT-09-309
01.G2.1.0021	1A1-THERM SLEEVE	51A	10/15/09	CLR	N	N	N	RT-N/A
01.G2.1.0022	1B1-THERM SLEEVE	51A	10/20/09	CLR	N	N	N	RT-N/A
01.G2.1.0023	1B2-THERM SLEEVE	51A	10/21/09	CLR	N	N	N	RT-N/A

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
01.G2.1.0024	1A2-THERM SLEEVE	51A	10/15/09	CLR	N	N	N	RT-N/A
01.G3.1.0001	1-PSL-11	50	10/28/09	CLR	N	N	N	PT-09-247
01.G4.1.0001	1RC-201-105	51A	10/15/09	CLR	N	N	N	UT-09-253
01.G4.1.0002	1RC-201-92	51A	10/15/09	CLR	N	N	N	UT-09-255
01.G4.1.0003	1RC-201-101	51A	10/15/09	CLR	N	N	N	UT-09-243
01.G4.1.0004	1RC-201-97	51A	10/15/09	CLR	N	N	N	UT-09-244
01.G4.1.0007	1RC-201-91	51A	10/20/09	CLR	Y	N	N	RT-N/A
		51A	10/15/09	CLR	N	N	N	UT-09-257
01.G4.1.0008	1RC-201-96	51A	10/21/09	CLR	Y	N	N	RT-N/A
		51A	10/15/09	CLR	N	N	N	UT-09-245
01.G4.1.0014	1RC-200-166	51A	04/21/08	CLR	Y	N	N	RT-N/A
								This exam was performed during April of 2008. The station has requested that we take credit for the exam scheduled during EOC-25 with it.
		51A	10/22/09	CLR	N	N	N	UT-09-270
01.G4.1.0018	1RC-199-150	51A	04/21/08	CLR	Y	N	N	RT-N/A
								This exam was performed during April of 2008. The station has requested that we take credit for the exam scheduled during EOC-25 with it.
		51A	10/27/09	CLR	N	N	N	UT-09-311

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O1.G4.1.0022	1RC-199-149	51A	10/27/09	CLR	N	N	N	UT-09-310
O1.G4.1.0023	1RC-199-154	51A	10/27/09	CLR	N	N	N	UT-09-308
O1.G4.1.0024	1RC-200-160	51A	10/22/09	CLR	N	N	N	UT-09-272
O1.G4.1.0025	1RC-200-161	51A	10/22/09	CLR	N	N	N	UT-09-273
O1.H2.1.0008	1-PIA2-12	50	10/19/09	CLR	N	N	N	PT-09-202
O1.H3.1.0007	1-03-3-35C	03	11/02/09	CLR	N	N	N	UT-09-345
		03	11/02/09					UT-N/A Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
O1.H3.1.0008	1-03-3-34C	03	11/02/09	CLR	N	Y	N	UT-09-348
		03	11/02/09					UT-N/A Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
O1.H3.1.0009	1-03-3-34G	03	11/02/09	CLR	N	Y	N	UT-09-347
		03	11/02/09					UT-N/A Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
O1.H3.1.0010	1-03-3-33B	03	11/03/09	CLR	N	Y	N	UT-09-350

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O1.H3.1.0010	1-03-3-33B	03	11/03/09					UT-N/A Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
O1.H3.1.0011	1-03-3-33G	03	11/03/09	CLR	N	Y	N	UT-09-351
		03	11/03/09					UT-N/A Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
O1.H4.1.0023	1-01A-0-550-H5	01A	10/12/09	CLR	N	N	N	VT-09-443
O1.H4.1.0024	1-01A-0-550-R3	01A	10/13/09	CLR	N	N	N	MT-09-078
		01A	10/12/09	REC	N	N	N	VT-09-444 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O1.H4.1.0025	1-01A-0-550-H6	01A	10/27/09	CLR	N	N	N	VT-09-456
O1.H4.1.0026	1-01A-0-550-H7	01A	10/11/09	CLR	N	N	N	VT-09-405
O1.H4.1.0027	1-01A-0-550-H8	01A	10/11/09	REC	N	N	N	VT-09-406 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 991886 was written to correct problems.
O1.H4.1.0028	1-01A-0-550-R5	01A	11/02/09	CLR	N	N	N	VT-09-457

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
01.H4.1.0029	1-01A-0-550-H9	01A	10/11/09	REC	N	N	N	VT-09-407 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 00992173 was written to correct problems.
01.H4.1.0030	1-01A-0-550-R6	01A	11/03/09	CLR	N	N	N	PT-09-249
		01A	10/11/09	REC	N	N	N	VT-09-408 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
01.H5.1.0001	1-01A-0-550-H1	01A	11/01/09	CLR	N	N	N	MT-09-091
01.H5.1.0003	1-MS10A-A	01A	11/04/09	CLR	N	Y	N	UT-09-356
		01A	11/04/09					UT-N/A Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
01.Q1.1.0001	1RC-229-67V	50	10/29/09	CLR	N	N	N	UT-09-318
01.Q1.1.0002	1RC-230-57V	50	10/27/09	CLR	N	N	N	UT-09-303
01.Q1.1.0003	1RC-229-68V	50	10/28/09	CLR	N	N	N	UT-09-312
01.Q1.1.0004	1-PZR-WP91-1-OL	50	10/27/09	CLR	N	N	N	UT-09-304
01.Q1.1.0005	1-PZR-WP91-2-OL	50	10/27/09	CLR	N	N	N	UT-09-305
01.Q1.1.0006	1-PZR-WP91-3-OL	50	10/27/09	CLR	N	N	N	UT-09-306

<i>Summary No</i>	<i>Component ID</i>	<i>System</i>	<i>Insp Date</i>	<i>Insp Status</i>	<i>Insp Limited</i>	<i>Geo Ref</i>	<i>RFR</i>	<i>Comment</i>
O1.Q1.1.0007	1LP-140-25V	53A	10/26/09	CLR	N	N	N	UT-09-299

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.

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

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

As required by the provisions of the ASME Code Section XI

Work Order Number 1670328	Sheet 1 of 3
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1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 11/11/2009

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

4. Identification of System, ASME Class
Reactor Coolant System, ASME Class 1

5.
 (a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, _____ Code Case
 (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.
 (c) Applicable Section XI Code Case(s) _____

6. Identification of Components							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
IRC-3	Rockwell	Unknown	Unknown		Unk	Removed	NO
IRC-3	Flowserve	07BKB	1977		2009	Installed	YES
IRC-2	Kerotest	Unknown	Unknown		Unk	Removed	
IRC-2	Flowserve	92AWZ	1321		2004	Installed	YES
IRC-210	Velan	062044-2	None		2006	Installed	YES
IRC-211	Flowserve	38BNH	2373		2009	Installed	YES
Support /w Snubber 50-0-481A-H1	Grinnell	Unk.			Unk	Removed	NO
Support/w Snubber 50-0-481A-H3	DEC	None	None		2009	Corrected	NO

7. Description of Work
Replaced valve IRC-3, IRC-2 and portion of RC piping, installed Valve IRC-210 and IRC-211, and modified, removed and installed support/restraints.

8. Test Conducted
 Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1670328	3 of 3

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

① S/R 50-0-481A-H3, existing Grinnell Snubber Ser. # 36035, Clamp UTC 1912967, Tube Steel UTC 1937822, Plate UTC 1080098, Rear Bracket UTC 1944494, Piston Rod Eye UTC 1902170

② S/R 50-0-481A-H6, U-Bolt (Rod) UTC 1908169, Nuts UTC 1891724, Plate UTC 1078048

③ S/R 50-0-481A-H7, reused Grinnell Snubber Ser. # 33917, Clamp UTC 1902946, Beam UTC 1898849, Angle UTC 1892608, Rear Bracket UTC 1944494

④ S/R 1-50-481A-H6667, new, Anvil Snubber Ser. # 37351 UTC 1934415, Clamp UTC 1925909, Plate UTC 1946194, T. Steel UTC 1927102

⑤ S/R 1-50-481A-H6668, new, Anvil Constant Support UTC 1905149, Beam Attachment UTC 1893793, 1/2" Rod UTC 1908169, Turnbuckle UTC 1081468, 1/2" Heavy Hex Nuts UTC 1891724, Eye Nut UTC 1088619, Pipe Clamp UTC 1848728, Structural Tee (WT) UTC 1027343

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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 *Kel...* Engineer Date 11/12/09
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9-11-07 to 1-6-10, 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 NI ABC, 15
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-6-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number 1786313-01	Sheet 1 of 2
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1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 11/19/2009

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

4. Identification of System, ASME Class
High Pressure Injection, ASME Class 1

5.
 (a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, _____ Code Case
 (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.
 (c) Applicable Section XI Code Case(s) _____

6. Identification of Components							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Piping	DECo	N/A	N/A	N/A	2009	Corrected	NO

7. Description of Work
Add 2 to 1 taper welds to 1A1 and 1A2 HPI warming lines near valves 1HP-240 and 1HP-246

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
1786313-01	2 of 2

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

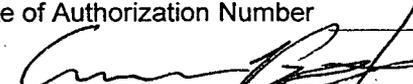
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CERTIFICATE OF COMPLIANCE

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  Aaron Best, Engineer Date 11/19/2009

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of FLORIDA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10-20-2009 to 1-7-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions FL 218 A.N.F.B. NS
 Inspector's Signature National Board, State, Province, and Endorsements

Date JANUARY 7, 2010

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

as required by the provisions of the ASME Code Section XI

Work Order Number 1786313-10	Sheet 1 of 2
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1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 11/17/2009

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

4. Identification of System, ASME Class
HPI S/R, ASME Class **1**

5.
 (a) Applicable Construction Code: USAS B31.7 19 68 Edition, No Addenda, No Code Case
 (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.
 (c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1-51A-479A-H6418; Hanger	D.E.C.	None	None	None	1973	Corrected	NO
1-51A-479A-H6419; Hanger	D.E.C.	None	None	None	1973	Corrected	NO

7. Description of Work
Add 2 SS shims to move the angles above the new welds. Replace the U-bolts (2)

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
1786313-10	2 of 2

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

① Bar, flat, SS 1/2" thk x 3" wd (2) ASTM A240 UTC# 0001899876 Trace: M HT#97H0

② 1/2" Fig. 137 U-bolt (2), Carbon stl UTC# 0001910147 Trace: M PN#137N

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ Not Applicable

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

Signed *[Signature]* _____ Engineer Date 11/17/2009

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of FLORIDA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10-29-2009 to 1-7-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] _____ Commissions FL 218 A, N, T, B, NS
 Inspector's Signature National Board, State, Province, and Endorsements

Date JANUARY 7, 2010

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

As required by the provisions of the ASME Code Section XI

Work Order Number 1807588	Sheet 1 of 2
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1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 11/16/2009

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

4. Identification of System, ASME Class
High Pressure Injection, ASME Class 1

5.
 (a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, _____ Code Case
 (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.
 (c) Applicable Section XI Code Case(s) _____

6. Identification of Components							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Flow Orifice Bolting	UNK	UNK	N/A	UNK	UNK	Removed	NO
Flow Orifice Bolting	UNK	UNK	N/A	See Remarks #1	2009	Installed	NO

7. Description of Work
Replace bolting on flow orifice flange due to bolting being the wrong size.

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
1807588	2 of 2

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

① 8 x 1" Studs: SA193 Gr B7 - UTC# 1927019
16 x 1" Nuts: SA194 Gr 2H - UTC# 1936900

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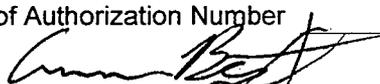
⑩

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 _____

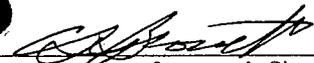
Signed  Aaron Best, Engineer Date 11/16/2009

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 10-23-09 to 1-13-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions SC 232 DIABC 15
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-13-10

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

As required by the provisions of the ASME Code Section XI

		Work Order Number 01808457	Sheet 1 of 3				
1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1					
		Date 12/9/2009					
3. Work Performed by Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006		Type Code Symbol Stamp Not Applicable					
		Authorization Number Not Applicable					
		Expiration Date Not Applicable					
4. Identification of System, ASME Class Steam Generator, ASME Class 1							
5.							
(a) Applicable Construction Code: <u>ASME Section III</u> 19 <u>89</u> Edition, <u>No</u> Addenda, <u>No</u> Code Case							
(b) Applicable Edition Section XI Utilized For R/R Activity 19 <u>98</u> Edition, <u>2000</u> Addenda.							
(c) Applicable Section XI Code Case(s) <u>None</u>							
6. Identification of Components							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Inspection Port Test Cover #12 (M6)	B&W Canada	160K-17	232	PN# 5233754	2006	Removed	YES
Inspection Port Cover @ Port #6 (M6)	B&W Canada	006K01	205	N/A	2003	Installed	YES
Inspection Port Test Cover #11 (R9)	B&W Canada	160K-16	231	PN# 5233549-2 PN# 5233558-2	2006	Removed	YES
Inspection Port Cover @ Port #9 (R9)	B&W Canada	006K01	205	N/A	2003	Installed	YES
Inspection Port Test Cover #10 (R10)	B&W Canada	160K-14	229	PN# 5233753-2	2006	Removed	YES
Inspection Port Cover @ Port #10 (R10)	B&W Canada	006K01	205	N/A	2003	Installed	YES
7. Description of Work							
On the 1 "A" Steam Generator the instrumented inspection port covers were removed at each support locations at #6 (Y-1), #9 (Y-2), #10 (Y-2) and #11 (Y-2) and original inspection port covers reinstalled at each. Feedwater Transducer Assembly on the feedwater riser at location Y-1 & Y-2 Axis were removed and SW Pipe Plug installed.							
8. Test Conducted							
<input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Nominal Operating Pressure <input type="checkbox"/> Exempt <input type="checkbox"/> 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

01808457

Sheet

3 of 3

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 K.W. Rannou K.W. Rannou Engineer Date 12/9/2009
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 10-25-09 to 12-17-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions SC 232 NIABC
National Board, State, Province, and Endorsements

Date 12-17-09

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

As required by the provisions of the ASME Code Section XI

Work Order Number 1812405	Sheet 1 of 2
------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 11/16/2009

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

4. Identification of System, ASME Class
High Pressure Injection, ASME Class 1

5.
 (a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, _____ Code Case
 (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.
 (c) Applicable Section XI Code Case(s) _____

6. Identification of Components							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Flow Orifice Bolting	UNK	UNK	N/A	UNK	UNK	Removed	NO
Flow Orifice Bolting	UNK	UNK	N/A	See Remarks #1	2009	Installed	NO

7. Description of Work
Replace bolting on flow orifice flange due to corrosion

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
1812405	2 of 2

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

① 8 x 1" Studs: SA193 Gr B7 - UTC# 1927019
16 x 1" Nuts: SA194 Gr 2H - UTC# 1936900

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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 *Aaron Best* Aaron Best, Engineer Date 11/16/2009
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 10-26-09 to 1-11-10, 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.

A. Smith Commissions SC232 NIABC 15
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01848080	Sheet 1 of 2
--------------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 10-28-09

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

4. Identification of System, ASME Class
Reactor Coolant , ASME Class 1

5.

(a) Applicable Construction Code: ASME Section III 19 83 Edition, No Addenda, No Code Case

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

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

6. Identification of Components							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Reactor Coolant System 2½" Letdown Line: RCS Nozzle to safe-end butt weld	B&W	None	None	Weld # 1RIB1-11	1974	Corrected	No
Reactor Coolant System 2½" Letdown Line: Safe-End	B&W	None	None	Item 88 on Dwgs: OM 201-0738.001 OM 201-0595.001	1974	Corrected	No
Reactor Coolant System 2½" Letdown Line: Safe-end to pipe elbow butt weld	B&W	None	None	Weld # 1-51A-0007-01-7E	1974	Corrected	No
Reactor Coolant System 2½" Letdown Line: SS pipe elbow	B&W	None	None	None	1974	Corrected	No

7. Description of Work

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

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

01848080

Sheet

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 L. S. White, Engineer *L. S. White* Date 10-28-09
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-27-09 to 11-24-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. S. White
 Inspector's Signature

Commissions SC 232 NIBAC
 National Board, State, Province, and Endorsements

Date 11-25-09

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01670408	Sheet 1 of 2
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1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 11/11/2009

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

4. Identification of System, ASME Class
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)
4" 1A1 & 1A2 RCPM, Supply/Return Piping (approx. 100')	Duke	N/A	UNK	N/A	2009	Installed	NO

7. Description of Work
Replacement of piping due to corrosion

8. Test Conducted
 Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other Functional
 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
01670408	2 of 2

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

① 4" Sch. 40 SA312 TP304 pipe; UTC nos. 1922049 and 1007076

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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 *Geary L Armentrout* Date 11/11/2009
 Geary L Armentrout, Principal Engineering
 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 9-23-09 to 11-11-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Geary L Armentrout Commissions SC 232 NIABC
 Inspector's Signature National Board, State, Province, and Endorsements
 Date 11-11-09

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

As required by the provisions of the ASME Code Section XI

Work Order Number 1731947-A	Sheet 1 of 3
--------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 11/12/2009

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

4. Identification of System, ASME Class
Low Pressure Service Water, ASME Class 2

5.
 (a) Applicable Construction Code: USAS B31.7 19 68 Edition, No Addenda, No Code Case
 (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.
 (c) Applicable Section XI Code Case(s) None

6. Identification of Components							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1LPSW-90	CRANE	UNK	UNK	NONE	UNK	Removed	NO
1LPSW-90	BNL INDUSTRIES	A070815-4-9	UNK	UTC1901699	2007	Installed	YES
1LPSW-92	CRANE	UNK	UNK	NONE	UNK	Removed	NO
1LPSW-92	BNL INDUSTRIES	A070815-4-6	UNK	UTC1901696	2007	Installed	YES
1LPSW-228	CRANE	UNK	UNK	NONE	UNK	Removed	NO
1LPSW-228	BNL INDUSTRIES	A070815-4-2	UNK	UTC1901692	2007	Installed	YES
1LPSW-229	CRANE	UNK	UNK	NONE	UNK	Removed	NO
1LPSW-229	BNL INDUSTRIES	A070815-4-1	UNK	UTC1901116	2007	Installed	YES
1LPSW-96	CRANE	UNK	UNK	NONE	UNK	Removed	NO

7. Description of Work
 EC92493 (OD101183) replaces 3" or smaller CS pipe and components associated with the 1A2 and 1B1 RCP Motor Air Cooler and Upper Bearing Oil Cooler with SS piping and components Hydrostatic testing performed per WO#1864007. Task #19, test number 1242HR125.

8. Test Conducted
 Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure 128 PSI Test Temperature 60 °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 1731947-A	Sheet 2 of 3
--------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 11/12/2009

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

4. Identification of System, ASME Class
Low Pressure Service Water, ASME Class 2

5.
 (a) Applicable Construction Code: USAS B31.7 19 68 Edition, No Addenda, No Code Case
 (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.
 (c) Applicable Section XI Code Case(s) None

6. Identification of Components							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1LPSW-96	BNL INDUSTRIES	A070815-4-8	UNK	UTC1901698	2007	Installed	YES
1LPSW-98	CRANE	UNK	UNK	NONE	UNK	Removed	NO
1LPSW-98	BNL INDUSTRIES	A070815-4-5	UNK	UTC1901695	2007	Installed	YES
1LPSW-231	CRANE	UNK	UNK	NONE	UNK	Removed	NO
1LPSW-231	BNL INDUSTRIES	A070815-4-4	UNK	UTC1901694	2007	Installed	YES
1LPSW-232	CRANE	UNK	UNK	NONE	UNK	Removed	NO
1LPSW-232	BNL INDUSTRIES	A070815-4-3	UNK	UTC1901693	2007	Installed	YES
PIPE	DPCo.	NONE	NONE	NONE	2009	Installed	NO
5/8" THRD ROD	UNK	UNK	UNK	UNK	UNK	Removed	NO
5/8" THRD ROD	UNK	UNK	UNK	UTC1930820	UNK	Installed	NO
5/8" HEAVY HEX NUTS	UNK	UNK	UNK	UNK	UNK	Removed	NO
5/8" HEAVY HEX NUTS	UNK	UNK	UNK	UTC1937769	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
1731947 -A	3 of 3

9. Remarks (Applicable Manufacturer's Data Reports to be attached)
① VALVE, 3", SS, BNL INDUSTRIES, 150 # CLASS, ASME SECT III, VALVE TAGS 1LPSW-90, 92, 96, 98, 228, 229, 231, 232
② PIPE, 3", SS, ASME SA312, TP304, SCH 40, ANSI B36.10, ASME SECTION III SUBSECTION NC
③ PIPE, 5", SS, ASME SA312, TP304, SCH 40, ANSI B36.10, ASME SECTION III SUBSECTION NC
④ FLANGE, PIPE, WELD NECK, 5", SS, ASME SA182, F304, RAISED, 150 LB, SCH 40, ANSI B16.5, ASME SECTION III SUBSECTION NC
⑤ FLANGE, PIPE, WELD NECK, 3", SS, ASME SA182, F304, RAISED, 150 LB, SCH 40, ANSI B16.5, ASME SECTION III SUBSECTION NC
⑥ FLANGE, PIPE, WELD NECK REDUCING, 5" X 3", SS, ASME SA182, F304, RAISED, 150 LB, SCH 40, ANSI B16.5, ASME SECTION III
⑦ TEE, PIPE REDUCER, 5" X 5" X 3", SS, ASME SA403, WP304, BW, SCH 40, ANSI B16.9, ASME SECTION III
⑧ ROD, THREADED, 5/8", 11 UNC-2A, ALLOY STL, ASME SA193 GR B7, ASME SECTION III SUBSECTION NB
⑨ NUT, HEX, HEAVY HEX, 5/8", 11 UNC-2B, CARBON STL, ASME SA194 GR 2H, ANSI B18.2.2, ASME SECTION III SUBSECTION NB
⑩

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 12/21/09
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-3-08 to 12-22-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

Commissions SC 232 NIABC
 National Board, State, Province, and Endorsements

Date 12-22-09

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

As required by the provisions of the ASME Code Section XI

Work Order Number 1731947-B	Sheet 1 of 3
--------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS- 1
		Date 11/12/2009

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

4. Identification of System, ASME Class
Low Pressure Service Water, ASME Class 2

5.
 (a) Applicable Construction Code: USAS B31.7 19 68 Edition, No Addenda, No Code Case
 (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.
 (c) Applicable Section XI Code Case(s) None

6. Identification of Components							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1/2" HEAVY HEX NUTS	UNK	UNK	UNK	UNK	UNK	Removed	NO
1/2" HEAVY HEX NUTS	UNK	UNK	UNK	UTC1901397	UNK	Installed	NO
3" FLEX HOSE	PARKER	UNK	UNK	UNK	UNK	Removed	NO
3" FLEX HOSE	SENIOR FLEXONICS	0380327664N	UNK	UTC887290	UNK	Installed	NO
3/4" THRD ROD	UNK	UNK	UNK	UNK	UNK	Removed	NO
3/4" THRD ROD	UNK	UNK	UNK	UTC1919841	UNK	Installed	NO
3/4" HEAVY HEX NUTS	UNK	UNK	UNK	UNK	UNK	Removed	NO
3/4" HEAVY HEX NUTS	UNK	UNK	UNK	UTC1912344	UNK	Installed	NO
5/8" HEAVY HEX NUTS	UNK	UNK	UNK	UTC1908177	UNK	Installed	NO

7. Description of Work
 EC92493 (OD101183) replaces 3" or smaller CS pipe and components associated with the 1A2 and 1B1 RCP Motor Air Cooler and Upper Bearing Oil Cooler with SS piping and components Hydrostatic testing performed per WO#1864007, Task #19, test number 1242HR125.

8. Test Conducted
 Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure 128 PSI Test Temperature 60 °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
1731947-B	3 of 3

9. Remarks (Applicable Manufacturer's Data Reports to be attached)
① NUT, HEX , HEAVY HEX, 1/2", 13 UNC-2B, CARBON STL, ASME SA194 GR 2H, ANSI B18.2.2, ASME SECTION III SUBSECTION NB
② HOSE, FLEXIBLE, 91", PIPE NIPPLE SA312 TYPE 304, BELLOWS MATERIAL
③ ROD, THREADED, 3/4", 10 UNC-2A, ALLOY STL, ASME SA193 GR B7, ASME SECTION III SUBSECTION NB
④ NUT, HEX , HEAVY HEX, 3/4", 10 UNC-2B, ALLOY STL, ASME SA194 GR 7, ANSI B18.2.2, ASME SECTION III SUBSECTION NB
⑤ NUT, HEX , HEAVY HEX, 5/8", 11 UNC-2B, CARBON STL, ASME SA194 GR 2H, ANSI B18.2.2, ASME SECTION III SUBSECTION NB
⑥ ROD, THREADED, 1/2", 13 UNC-2A, ALLOY STL, ASME SA193 GR B7, ASME SECTION III SUBSECTION NB
⑦ S/R 1-14B-480C-H6675, added 1/2"x3" U-Bolt, 1/2"x9"x9" Plate, 1-1/2"x24"x3/8" thick flat plate and 3"x3"x3/8"x25-1/2" long Angle iron
⑧ S/R 1-14B-480C-H6674, replaced 1/2" x 3" U-Bolt, 1/4" x 1" U-Bolt (2), and 3'3" of 3"x3"x3/8" Angle
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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 12/21/09
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-3-09 to 12-22-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions SC 232 NIABC
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-22-09

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

As required by the provisions of the ASME Code Section XI

		Work Order Number 1767189	Sheet 1 of 2																																																																																								
1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1 <hr/> Date 1/13/2010																																																																																									
3. Work Performed by Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006		Type Code Symbol Stamp Not Applicable <hr/> Authorization Number Not Applicable <hr/> Expiration Date Not Applicable																																																																																									
4. Identification of System, ASME Class Low Pressure Service Water, ASME Class 2																																																																																											
5. (a) Applicable Construction Code: <u>USAS B31.7</u> 19 <u>69</u> Edition, <u>No</u> Addenda, _____ Code Case (b) Applicable Edition Section XI Utilized For R/R Activity 19 <u>98</u> Edition, <u>2000</u> Addenda. (c) Applicable Section XI Code Case(s) <u>None</u>																																																																																											
6. Identification of Components <table border="1" style="width:100%; border-collapse: collapse; text-align:center;"> <thead> <tr> <th style="width:12.5%;">Name of Component</th> <th style="width:12.5%;">Name of Manufacturer</th> <th style="width:12.5%;">Manufacturer Serial Number</th> <th style="width:12.5%;">National Board No.</th> <th style="width:12.5%;">Other Identification</th> <th style="width:12.5%;">Year Built</th> <th style="width:12.5%;">Corrected, Removed, or Installed</th> <th style="width:12.5%;">ASME Code Stamped (Yes / No)</th> </tr> </thead> <tbody> <tr> <td>(1) (2) Piping</td> <td>DEC</td> <td>none</td> <td>none</td> <td>none</td> <td>2009</td> <td>Installed</td> <td>NO</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				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) (2) Piping	DEC	none	none	none	2009	Installed	NO																																																																								
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) (2) Piping	DEC	none	none	none	2009	Installed	NO																																																																																				
7. Description of Work EC95613 removed 4" full coupling and installed weld neck flanges (ASTM A-182), and bolting material, on the 4" LPSW sch 40 SS pipe (P.S. 151.4). Replaced bolting for existing 6" Flange.																																																																																											
8. Test Conducted <input checked="" type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Nominal Operating Pressure <input type="checkbox"/> Exempt <input type="checkbox"/> Other _____ Pressure <u>120</u> PSI Test Temperature <u>67.3</u> °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
1767189	2 of 2

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

① Installed 4" Weld Neck Flange (UTC# 1939290), 5/8" nuts (UTC#:1925890), 5/8" threaded rod (UTC #: 1909601).

② Installed new 3/4" nuts (UTC 1910109) and 3/4" threaded rod (UTC# 1919841) for existing 6" flange.

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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  Luke Drake/Engineer Date 1/13/2010

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-6-09 to 1-15-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions SC 232 NIABC 15
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-15-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01777825 - 01	Sheet 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 1
		Date 11/2/2009

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
Main Steam , ASME Class 2

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

6. Identification of Components

Name of Component	Manufacturer	Manufacturer Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
1-01A-401A-H4347, Anvil Size 10x6 Hydraulic Snubber	Anvil	36900	UNK	UTC 1900874	UNK	Installed	No
1) 1-01A-401A-H4347, Lisega Size 306256 RF3 Hydraulic Snubber	Lisega	614883/023	UNK	N/A	UNK	Removed	No

7. Description of Work
Replace existing Lisega snubber with Anvil Fig. 3306 (10 x 6) due to seal degradation.

8. Test Conducted

Hydrostatic Pressure
 Pneumatic Pressure
 Nominal Operating Pressure
 Exempt
 Other
Visual

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 Number	Sheet
01777825 - 01	Page 2 of 2

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

1) Replace existing Lisega snubber with Anvil Fig. 3306 (10 x 6) due to seal degradation.

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 Authorization Number	Not Applicable	Expiration Date	Not Applicable
Signed	<u>Donald J. Hobbs Sr. Eng.</u>	Date	<u>11/2/09</u>
	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 3-2-09 to 1-12-10, 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 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 arising from or connected with this inspection.

<u>[Signature]</u>	Commission(s)	<u>SC 232 NIABC 15</u>
Inspector's Signature		National Board, State, Province, and Endorsements
Date	<u>1-12-10</u>	

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01794464	Sheet 1 of 3
-------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 11/07/2009

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

4. Identification of System, ASME Class LPSW, ASME Class 2

5.	(a) Applicable Construction Code: <u>USAS B31.7</u> 19 <u>67</u> Edition, <u>No</u> Addenda, <u>No</u> Code Case
	(b) Applicable Edition Section XI Utilized For R/R Activity 19 <u>98</u> Edition, <u>2000</u> Addenda.
	(c) Applicable Section XI Code Case(s) <u>None</u>

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-0-480C-H27A	DEC	None	None	None	2009	Corrected	NO
2.) 14B-0-480C-H27B	DEC	None	None	None	2009	Corrected	NO
3.) 14B-0-480C-H30A	DEC	None	None	None	2009	Corrected	NO
4.) 14B-0-480C-H30D	DEC	None	None	None	2009	Corrected	NO
5.) 14B-0-480A-H31A	DEC	None	None	None	2009	Corrected	NO
6.) 14B-0-480C-H31B	DEC	None	None	None	2009	Corrected	NO
7.) 14B-0-480C-H31C	DEC	None	None	None	2009	Corrected	NO
8.) 14B-0-480A-H31D	DEC	None	None	None	2009	Corrected	NO
9.) 14B-0-480A-H32A	DEC	None	None	None	2009	Corrected	NO

7. Description of Work EC 97202 (OE 102095); Ubolts were removed and replaced with new Ubolts as a result of the 4" LPSW piping being replaced with stainless steel piping. Shims and washers were provided as required.

8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Nominal Operating Pressure <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> 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
01794464	3 of 3

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

- 1
- 2
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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ Not Applicable _____

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

Signed David S. Perry Engineer Date 11-9-09

Owner or Owner's Designee, Title

David S. Perry

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 4-1-08 to 11-12-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

David S. Perry
Inspector's Signature

Commissions SC 232 NIABC
National Board, State, Province, and Endorsements

Date 11-12-09

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1801857	2 of 2

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

① Weld filler material between item 1 and existing 14WF38; Stencil C3867, UTC # 1944677 and 1925784

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ Not Applicable _____

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

Signed Zachary Ashcraft Zachary Ashcraft, Engineer Date 11/10/2009

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-16-09 to 1-13-10, 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 NIABCI 15

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

Date 1-13-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01801858	Sheet 1 of 2
--------------------------------------	-----------------

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

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

4. Identification of System, ASME Class
Steam Generator S/R, ASME Class 2

5.
 (a) Applicable Construction Code: USAS B31.7 19 68 Edition, No Addenda, No Code Case
 (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.
 (c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1-04A-0-478A-H3A; Hanger	D.E.C.	None	None	None	1973	Corrected	NO

7. Description of Work
Installed locknut, corrected spring can setting, installed additional weld between item #1 and existing 8WF20

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
01801858	2 of 2

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

① Weld material, E7018, 3/32" D, UTC#:0001925784

② Item #2, fig. 82 pre-engineered spring w/ travel stops, HL=149#, CL=141#, adjusted not replaced

③ Item #4, directly above item #5, hex nut 1/2", carbon stl ASME SA194 UTC#:0001894531 Trace: M HT#C91036

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ Not Applicable _____

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

Signed *Zachary Ashcraft* / Zachary Ashcraft Engineer Date 1/12/2010

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 2-17-09 to 1-13-10, 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 15
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-13-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number 1801864	Sheet 1 of 2
------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 11/6/2009

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

4. Identification of System, ASME Class
Main Feedwater, ASME Class 2

5.
 (a) Applicable Construction Code: USAS B31.7 19 68 Edition, No Addenda, NO Code Case
 (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.
 (c) Applicable Section XI Code Case(s) NONE

6. Identification of Components							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
03-0-480B-H3A; HANGER	D.E.C.	NONE	NONE	NONE	1973	Corrected	NO

7. Description of Work
Install absent weld between existing item 9 and existing item 10.

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
1801864	2 of 2

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

① Installed weld on existing item 9 to existing item 10; Stencil J1335, Filler Metal UTC 1925784; Stencil H7687, UTC # 01925784

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ Not Applicable _____

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

Signed Zachary Ashcraft Zachary Ashcraft, Engineer Date 11/6/2009
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 3-23-09 to 1-13-10, 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 NIABCL 15
Inspector's Signature National Board, State, Province, and Endorsements
 Date 1-13-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01801865	Sheet 1 of 2
-------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 11/6/2009

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

4. Identification of System, ASME Class
Main Steam System, ASME Class 2

5.
 (a) Applicable Construction Code: USAS B31.7 19 68 Edition, No Addenda, No Code Case
 (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.
 (c) Applicable Section XI Code Case(s) None

6. Identification of Components							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
01A-0-480A-H8B; Hanger	D.E.C.	NONE	NONE	NONE	1973	Corrected	NO

7. Description of Work
 Installed new support rod, weldless eye nuts, clamp bolts, hex nuts, installed/repared weld between pipe and pipe lugs, installed shims under pipe lugs

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
01801865	2 of 2

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

- ① Replaced 1-1/2" Threaded Rod, ASME SA193 GR B7; UTC # 001000505; Trace: M HT#ADP
- ② Installed Pipe 1" (spacer) SCH 40 ASME SA106 B; UTC # 0001937692; Trace: M HT#98752
- ③ Replaced Weldless Eye Nuts(2) 1-1/2", forged STL; UTC # 0001090565; Trace: M PN#290N
- ④ Replaced Heavy Hex Nut 1-1/2", ASTM A194 GR 2H; UTC # 0001822181; Trace: M HT#554-2253
 Replaced Heavy Hex Nut 1", ASTM SA194 GR 2H; UTC # 0001936900; Trace M HT 320097
 Replaced Heavy Hex Nut 1-3/8" ASTM A194 GR 2H; UTC # 000982641 & 0000982680; Trace M HT 8898297
- ⑤ Replaced Round Bar 1-1/4", ASME SA 193 GR B7; UTC # 0001028065; Trace: M HT M80831
 Replaced Round Bar 1-3/4", ASME A193 GR B7; UTC # 0001057254; Trace: M HT#8962769H4326
- ⑥ Installed Plate 1/16" (shim) ASTM A240; UTC # 0001083367 ; Trace: M HT 338745
 Installed Plate 1/8" (shim) ASTM A240; UTC # 0001820147; Trace: M HT 71A6
- ⑦ Replaced Hardened Washer 1", ASTM F436 Type 1; UTC # 0001938186; Trace M HT 284274
- ⑧ Installed weld shim to exist. Lug #1, 2, 3, 4, 6, 7, 8 Filler metal UTC # 01924589 Stencil H7687
- ⑨ Replaced weld on lug to pipe. Filler metal UTC # 001925784

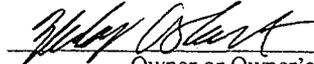
⑩

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ Not Applicable _____

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

Signed  Zachary Ashcraft, Engineer Date 11/10/2009
 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 10-12-09 to 1-12-10, 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.

 Commissions SC 232 NIABC 15
 Inspector's Signature National Board, State, Province, and Endorsements

Date 1-12-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01849435 - 01	Sheet 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 1
		Date 11/2/2009

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 Main Steam , ASME Class 2

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

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)
1-01A-1-1-0-401A-H43, Rear Bracket for Lisege Size 306256. RF3 Hydraulic Snubber	PSA	N/A	UNK	UTC 1945226	UNK	Installed	No
1) 1-01A-1-1-0-401A-H43, Rear Bracket for Lisege Size 306256 RF3 Hydraulic Snubber	PSA	N/A	UNK	N/A	UNK	Removed	No

7. Description of Work Replace worn/degraded rear bracket

8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pnuematic <input type="checkbox"/> Nominal Operating Pressure <input type="checkbox"/> Excerpt <input checked="" type="checkbox"/> Other <u>Visual</u> 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 Number 01849435 - 01	Sheet Page 2 of 2
------------------------------------	----------------------

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

1) Replaced worn/degraded rear bracket

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 Authorization Number Not Applicable Expiration Date Not Applicable
 Signed *Ronald Clark Sr. Eng.* Date 11/2/09
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 3-31-09 to 1-12-10, 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 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 arising from or connected with this inspection.

[Signature] Commission(s) SC 232 NIABC 15
Inspector's Signature National Board, State, Province, and Endorsements
 Date 1-12-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01849435 - 02	Sheet 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 1
		Date 11/2/2009

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 Main Steam , ASME Class 2

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

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) 1-01A-1-1-0-401A-H44, Rear Bracket for Grinnell Size 2-1/2 X 5 Hydraulic Snubber	Grinnell	N/A	UNK	N/A	UNK	Removed	No
1-01A-1-1-0-401A-H44, Rear Bracket for Grinnell Size 2-1/2 X 5 Hydraulic Snubber	Anvil	N/A	UNK	UTC 1940348	UNK	Installed	No

7. Description of Work Replace worn/degraded rear bracket

8. Test Conducted <input type="checkbox"/> Hydrostatic Pressure <input type="checkbox"/> Pnuematic PSI <input type="checkbox"/> Nominal Operating Pressure <input type="checkbox"/> Excerpt Test Temperature <input checked="" type="checkbox"/> Other Visual 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 Number 01849435 - 02	Sheet Page 2 of 2
------------------------------------	----------------------

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

1) Replaced worn/degraded rear bracket

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 Authorization Number Not Applicable Expiration Date Not Applicable
 Signed Ronald White Sr. Eng Date 11/2/09
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 3-31-09 to 1-12-10, 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 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 arising from or connected with this inspection.

[Signature] Commission(s) SC 232 NIABC 15
Inspector's Signature National Board, State, Province, and Endorsements
 Date 1-12-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number
01849435 - 03

Sheet
Page 2 of 2

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

1) Replaced worn/degraded rear bracket

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 Authorization Number Not Applicable Expiration Date Not Applicable
 Signed *[Signature]* Sr Eng. Date 11/2/09
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 3-31-09 to 1-12-10, 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 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] Commission(s) SC232 NIABC 15
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-12-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01855545-28 <i>28 TRB</i>	Sheet 1 of 2
---------------------------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 10/27/2009

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

4. Identification of System, ASME Class
Unit 1 "A2" Reactor Coolant Pump Seal & Seal Housings, 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)
Upper Seal Housing	Sulzer	1671383	UNK	CAT ID 863686	UNK	Removed	NO
Lower Seal Housing	Sulzer	1671380	UNK	CAT ID 863685	UNK	Removed	NO
Upper Seal Housing	Sulzer	1671383	UNK	CAT ID 863686 UTC#1946605	2009	Installed	NO
Lower Seal Housing	Sulzer	1671380	UNK	CAT ID 863685 UTC#1940538	2009	Installed	NO

1501

7. Description of Work
The items included within this work of scope involves removing the upper and lower seal housing, as well as, removing and replacing the 1A2 RCP Seal.

8. Test Conducted

Hydrostatic
 Pneumatic
 Nominal Operating Pressure
 Exempt
 Other Check for leakage
 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
01855545-28	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 *Christy W. Pugh*, Associate Engineer Date 10/27/2009

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 10-12-09 to 1-11-10, 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.

Christy W. Pugh Commissions SC 232 NIABC 15
 Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01855600-25	Sheet 1 of 2
----------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 10/26/2009

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

4. Identification of System, ASME Class
Unit 1 "B2" Reactor Coolant Pump Seal and Seal Housings, 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)
Upper Seal Housing	Sulzer	1671383	UNK	CAT ID 863686	UNK	Removed	NO
Lower Seal Housing	Sulzer	1671380	UNK	CAT ID 863685	UNK	Removed	NO
Upper Seal Housing	Sulzer	1671383	UNK	CAT ID 863686 UTC#1940536	2009	Installed	NO
Lower Seal Housing	Sulzer	1671380	UNK	CAT ID 863685 UTC#1946606	2009	Installed	NO

7. Description of Work
The items included within this work of scope involves removing the upper and lower seal housing, as well as, removing and replacing the 1B2 RCP Seal.

8. Test Conducted
 Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other Check for leakage
 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

01855600-25

Sheet

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 Christopher W. Longo, Associate Engineer Date 10/26/2009
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 10-12-09 to 1-14-10, 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.

Christopher W. Longo
 Inspector's Signature

Commissions SC 232 NIABC 15
 National Board, State, Province, and Endorsements

Date 1-14-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01855719-06, -10	Sheet 1 of 2
---------------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 10/26/2009

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

4. Identification of System, ASME Class
LPSW - Piping to 1A Reactor Building Cooling Unit (RBCU) Coils, ASME Class 2

5.
 (a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case
 (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.
 (c) Applicable Section XI Code Case(s) None

6. Identification of Components							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1A RBCU Coil bolting - for coils 1,2,3 & 4 (1)	Duke	Unknown	None	None	2009	Installed	NO

7. Description of Work
 PM on the 1A RBCU Coils # 1, #2, #3 & #4 (tube cleaning and eddy current testing) required removal of the cooler waterbox. This involved disassembling the Low Pressure Service (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
01855719-06, -10	2 of 2

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

① Replaced one hundred twenty-eight (128) 5/8-inch diameter nuts and sixty-four (64) 5/8-inch diameter studs on the 1A RBCU, #1, #2, #3 and #4 Coils' flanges. The Catalog ID # for the nuts is 293556 and the UTC #'s were 0001908177, 0001899218, 0001849942, and 0001925890. The Catalog ID # for the stud material (threaded rod) is 297412 and the UTC #'s were 0001937768 and 0001927018.

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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 10/26/09
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9-27-09 to 11-15-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

Commissions SC 232 NIABC
 National Board, State, Province, and Endorsements

Date 11-15-09

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

As required by the provisions of the ASME Code Section XI

		Work Order Number 01856071	Sheet 1 of 2																																																																																								
1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1 <hr/> Date 10/29/2009																																																																																									
3. Work Performed by Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006		Type Code Symbol Stamp Not Applicable <hr/> Authorization Number Not Applicable <hr/> Expiration Date Not Applicable																																																																																									
4. Identification of System, ASME Class High Pressure Injection System, ASME Class 2																																																																																											
5. (a) Applicable Construction Code: <u>USAS B31.7</u> 19 <u>69</u> Edition, <u>No</u> Addenda, _____ Code Case (b) Applicable Edition Section XI Utilized For R/R Activity 19 <u>98</u> Edition, <u>2000</u> Addenda. (c) Applicable Section XI Code Case(s) <u>None</u>																																																																																											
6. Identification of Components <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width:12.5%;">Name of Component</th> <th style="width:12.5%;">Name of Manufacturer</th> <th style="width:12.5%;">Manufacturer Serial Number</th> <th style="width:12.5%;">National Board No.</th> <th style="width:12.5%;">Other Identification</th> <th style="width:12.5%;">Year Built</th> <th style="width:12.5%;">Corrected, Removed, or Installed</th> <th style="width:12.5%;">ASME Code Stamped (Yes / No)</th> </tr> </thead> <tbody> <tr> <td>1HP-97</td> <td>Anchor Darling</td> <td>unk</td> <td>n/a</td> <td>A/D SO # ET107-1</td> <td>1991</td> <td>Corrected</td> <td>NO</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				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)	1HP-97	Anchor Darling	unk	n/a	A/D SO # ET107-1	1991	Corrected	NO																																																																								
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)																																																																																				
1HP-97	Anchor Darling	unk	n/a	A/D SO # ET107-1	1991	Corrected	NO																																																																																				
7. Description of Work This was a repair of one seat retainer machine screw hole on the disc of 1HP-97. One of the eight screw holes had to be oversized due to damaged threads inside the original hole. Modification EC # 102432 will note the different size of the machine screw used for this on over sized hole on drawing OM 245-1679.001.																																																																																											
8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Nominal Operating Pressure <input type="checkbox"/> Exempt <input checked="" type="checkbox"/> Other <u>Visual check</u> 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
01856071	2 of 2

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

① No pressure boundary parts were replaced. This pertains to a repair of one of the eight seat retainer machine screw holes.

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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 M. King, Check Valve Engineer Date 10/29/2009
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of FLORIDA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10-24-2009 to 1-11-2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

David M. Reppel Commissions FL 218 A, N, I & NS
Inspector's Signature National Board, State, Province, and Endorsements

Date JANUARY 11, 2010

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01856072	2 of 2

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

① Disc for a Velan 3" swing check valve, Cat ID #326825, UTC #827322, Serial number 6253

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ Not Applicable _____

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

Signed David D King MCE/VHE Check Valve Engineer Date 10-23-09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10-14-09 to 1-15-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

David D King Commissions SC 232 NIBAC 15
 Inspector's Signature National Board, State, Province, and Endorsements

Date 1-13-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01856154-04	Sheet 1 of 2
----------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 10/19/2009

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

4. Identification of System, ASME Class
Unit 1 SSF Reactor Coolant Makeup 10 Gallong Accumulator, 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)
Valve Core	Greer Hydraulics	UNK	UNK	UNK	UNK	Removed	NO
Valve Core	Greer Hydraulics	UNK	UNK	UNK	UNK	Installed	NO

7. Description of Work
The work being completed is a regular preventative maintenance practice that is done on the SSF RCMUP 10 GAL. Accumulator every refueling cycle.

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
01856154-04	2 of 2

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

- 1
- 2
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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ Not Applicable _____

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

Signed *Christopher W. Long*, Associate Engineer Date 10/19/2009
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 10-12-09 to 12-4-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Chris Smith Commissions SC 232 N1A6L
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-4-09

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01856422-01	2 of 2

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

① Nozzle seating surface machined to establish correct dimensions and geometry.

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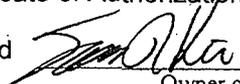
⑩

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 R. Kiser Sr. Engineer Date 10-27-09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10-24-09 to 1-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions SC 232 NIABC, 15
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4-10

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
01858556	2 of 2

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

① 54B-0-477-H10B, 2 Fig 640 struts and rear brackets, 2 Fig 137 Ubolts, carbon steel channels and plates

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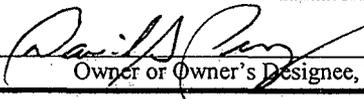
⑩

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 S. Perry, Engineer Date 11/11/2009

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 3-5-09 to 11-16-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions SC 232 NIABC
 Inspector's Signature National Board, State, Province, and Endorsements

Date 11-16-09

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

As required by the provisions of the ASME Code Section XI

					Work Order Number 01859555	Sheet 1 of 2	
1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006			2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672			Unit ONS - 1	
						Date 9/16/09	
3. Work Performed by Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006					Type Code Symbol Stamp Not Applicable		
					Authorization Number Not Applicable		
					Expiration Date Not Applicable		
4. Identification of System, ASME Class High Pressure Injection (HPI), ASME Class 2							
5.							
(a) Applicable Construction Code: <u>USAS B31.7</u> 19 <u>69</u> Edition, <u>No</u> Addenda, <u>Yes</u> Code Case							
(b) Applicable Edition Section XI Utilized For R/R Activity 19 <u>98</u> Edition, <u>2000</u> Addenda.							
(c) Applicable Section XI Code Case(s) _____							
6. Identification of Components							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
① IHP-139	Velan	UNKNOWN	UNKNOWN	B12-354B-13MS	UNK	Removed	NO
② IHP-139	Velan	092019	UNKNOWN	UTC # 01946243	2009	Installed	YES
③ IHP-140	Valtek	D710A-1-1	2154	DMV-1215	UNK	Removed	YES
④ IHP-140	CCI	104754-011-1	UNKNOWN	UTC # 1946519	2009	Installed	YES
⑤ 4" SS Pipe	DPCo.	N/A	N/A	HT #2J658 UTC # 1924660	UNK	Installed	NO
7. Description of Work EC 91834: Replace manual valves 1HP-139 & 1HP-140 with new EMO valves. Installed new piping to accommodate installation.							
8. Test Conducted							
<input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Nominal Operating Pressure <input type="checkbox"/> Exempt <input type="checkbox"/> Other _____							
Pressure <u>NOP</u> PSI Test Temperature <u>NOT</u> °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
01859555	2 of 2

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

- ① Removal of existing manual valve 1HP-139.
- ② Install new EMO operated valve 1HP-139.
- ③ Removal of existing manual valve 1HP-140.
- ④ Install new EMO operated valve 1HP-140.
- ⑤ Piping installation (cut to suit to accommodate field conditions and size of existing versus new valves).
- ⑥
- ⑦
- ⑧
- ⑨
- ⑩

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 Will Walthers, Sr. Mech. Assoc. Sargent & Lundy Date 11/18/09
R.A. Osina Date 11-18-09
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSBCT of HARTFORD CT have inspected the components described in this Owner's Report during the period 12-12-09 to 12-22-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

Commissions SC 232 NBABC
 National Board, State, Province, and Endorsements

Date 12/22/09

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

As required by the provisions of the ASME Code Section XI

		Work Order Number 01873897	Sheet 1 of 2																																																																																												
1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1 <hr/> Date 11/11/2009																																																																																													
3. Work Performed by Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006		Type Code Symbol Stamp Not Applicable																																																																																													
		Authorization Number Not Applicable																																																																																													
		Expiration Date Not Applicable																																																																																													
4. Identification of System, ASME Class <p style="text-align: center;">LPI, ASME Class 2</p>																																																																																															
5. (a) Applicable Construction Code: <u>USAS B31.7</u> 19 <u>67</u> Edition, <u>No</u> Addenda, <u>No</u> Code Case (b) Applicable Edition Section XI Utilized For R/R Activity 19 <u>98</u> Edition, <u>2000</u> Addenda. (c) Applicable Section XI Code Case(s) <u>None</u>																																																																																															
6. Identification of Components <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width:12.5%;">Name of Component</th> <th style="width:12.5%;">Name of Manufacturer</th> <th style="width:12.5%;">Manufacturer Serial Number</th> <th style="width:12.5%;">National Board No.</th> <th style="width:12.5%;">Other Identification</th> <th style="width:12.5%;">Year Built</th> <th style="width:12.5%;">Corrected, Removed, or Installed</th> <th style="width:12.5%;">ASME Code Stamped (Yes / No)</th> </tr> </thead> <tbody> <tr> <td>1.) 1-53B-5-0-439B-R13 31 <i>LCM 01-07-10</i></td> <td>DEC</td> <td>None</td> <td>None</td> <td>None</td> <td>2009</td> <td>Corrected</td> <td>NO</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>								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.) 1-53B-5-0-439B-R13 31 <i>LCM 01-07-10</i>	DEC	None	None	None	2009	Corrected	NO																																																																								
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1.) 1-53B-5-0-439B-R13 31 <i>LCM 01-07-10</i>	DEC	None	None	None	2009	Corrected	NO																																																																																								
7. Description of Work EC 100061; Added a shim plate for S/R 1-53B-5 -0-439B-R13 ^{<i>31 LCM 01-07-10</i>} to provide required clearance between support and pipe.																																																																																															
8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Nominal Operating Pressure <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> 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
01873897	2 of 2

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

① 1-53B-5-0-439B-R1/2, shim plate. ^{31 LCM 01-07-10}

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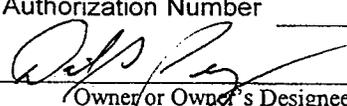
⑩

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

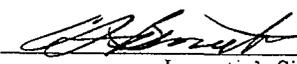
Signed  David S. Perry, Engineer Date 11/11/2009

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 11-11-09 to 1-13-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions SC 232 NIABCI 15
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-13-10

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

As required by the provisions of the ASME Code Section XI

		Work Order Number 01890770-01	Sheet 1 of 2				
1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672		Unit ONS - 1				
			Date 10/29/2009				
3. Work Performed by Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006		Type Code Symbol Stamp Not Applicable					
		Authorization Number Not Applicable					
		Expiration Date Not Applicable					
4. Identification of System, ASME Class High Pressure Injection, ASME Class 2							
5.							
(a) Applicable Construction Code: <u>USAS B31.7</u> 19 <u>69</u> Edition, <u>No</u> Addenda, <u>No</u> Code Case							
(b) Applicable Edition Section XI Utilized For R/R Activity 19 <u>98</u> Edition, <u>2000</u> Addenda.							
(c) Applicable Section XI Code Case(s) <u>None</u>							
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)
Downstream Orifice assembly	UNK	UNK	UNK	UNK	UNK	Removed	NO
Downstream Orifice assembly (1)	FlowServe	UNK	UNK	PN: CPM-9429-E479-7	UNK	Installed	NO
Pipe- 1-1/2" dia SS (2)	Duke Energy	None	None	None	2009	Installed	NO
Coupling, 1-1/2" dia, (3)	Duke Energy	None	None	None	2009	Installed	NO
7. Description of Work							
1A HPI Pump Recirc Orifice, downstream assembly, was cut out of 1-1/2" diameter HPI line and replaced with new orifice assembly. Installation of new orifice assembly required use of pipe coupling and short length of 1-1/2" dia. SS pipe.							
8. Test Conducted							
<input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Nominal Operating Pressure <input type="checkbox"/> Exempt <input type="checkbox"/> 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
01890770-01	2 of 2

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

① Downstream orifice assembly, Socket weld, FlowServe part number, CPM-9429-E479-7, Cat ID 439461, UTC # 0001056021, SA 479 Type 316L.

② Pipe, 1-1/2" diameter stainless steel, SA 376, TP304, ASME Section III Subsection NC, Cat ID 149472, UTC # 0001077294

③ Coupling, pipe, 1-1/2" diameter stainless steel, SA 182, F304, ASME Section III Subsection NC, Cat ID 068016, UTC # 0001092394.

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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 Sr. Engineer Date 10/29/09
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10-26-09 to 1-11-10, 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 15
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number 1892289-19	Sheet 1 of 2
---------------------------------	-----------------

1. Owner Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 10/22/2009

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

4. Identification of System, ASME Class
Unit 1 "B" High Pressure Injection 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)
ON1HPIPU002	Flowserve	05RLCA03144 01001	UNK	UNK	2006	Removed	NO
ON1HPIPU002	Flowserve	CC008-4704	UNK	S/C# 582351	UNK	Installed	NO
Discharge Flange Studs		UNK	UNK	s/c# 297397 utc# 1847398	UNK	Installed	NO
Discharge Flange Nuts		UNK	UNK	s/c# 319298 utc#0001915241 utc#0001909595	UNK	Installed	NO
Discharge Flange Washers		UNK	UNK	s/c# 233015 utc# 0001926393 utc#0001027790	UNK	Installed	NO

7. Description of Work
Remove old 1B HPI Pump during 1EOC25 Outage and replace with new 23 stage HPI Pump due to leaking nozzle head. All other parts were replaced or repaired under work scope as necessary.

8. Test Conducted
 Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other Flow Testing
 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
1892289-19	2 of 2

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

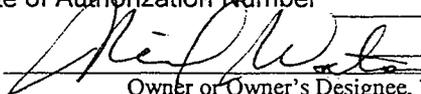
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CERTIFICATE OF COMPLIANCE

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  Senior Engineer Date 10/22/2009
 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 10-22-09 to 1-13-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions SC 232 NIABC 15
 Inspector's Signature National Board, State, Province, and Endorsements

Date 1-13-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01893358	Sheet 1 of 2
-------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 11/10/2009

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

4. Identification of System, ASME Class
Main Steam, ASME Class **B**

5.
 (a) Applicable Construction Code: USAS B31.7 19 68 Edition, No Addenda, No Code Case
 (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.
 (c) Applicable Section XI Code Case(s) None

6. Identification of Components							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
I-01A-0-480A-H9A	D.E.C.	NONE	NONE	NONE	1973	Corrected	NO

7. Description of Work
 Install new load bolts and clamp bolts as needed. Install new hex nuts, jam nuts, and shim for pipe lugs(including any tack welding needed). If needed install new weldless eye nut.

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
01893358	2 of 2

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

- 1 Weld (shim to existing lug) UTC# 1944677
- 2 Bar, round, alloy stl, 1 1/4", ASME SA193, B7 UTC# 0001028065 Trace: M HT#M80831
- 3 Bar, round, alloy stl, 1 3/4", ASTM A193, B7 UTC# 0001057254 Trace: M HT#8962769H4326
- 4 Plate, 1/16" thk, SS, ASTM A240 UTC# 0001083367 Trace: M HT#338745
- 5 Nut, hex, heavy hex, 1 3/8", carbon stl, ASTM A194 GR 2H UTC# 0000893088 Trace: M HT#NA33, M ON055662
- 6 Nut, hex, heavy hex, 1" carbon stl ASME SA194 GR 2H UTC# 0001936900 Trace: M HT#320097
- 7 Nut, eye, weldless, 1 1/2", forged stl UTC# 0001089989 Trace: M PN#290N
- 8 Pipe 1", carbon stl, ASME SA106, SCH40 UTC# 0001937692 Trace: M HT#98752
- 9
- 10

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 Ginn Anna Winslett Ginn, Engr. Date 11/10/09
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-9-09 to 1-12-10, 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]
 Inspector's Signature

Commissions SC 232 NIABCL 15
 National Board, State, Province, and Endorsements

Date 1-12-10

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
1893498	2 of 2

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

① 3" Sch 160 piping reused. Weld filler UTC: 1920129

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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  Aaron Best, Engineer Date 1/13/2010
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10-28-09 to 1-13-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions SC 232 NIABC 15
 Inspector's Signature National Board, State, Province, and Endorsements

Date 1-13-10

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01893888	Sheet 1 of 2
-------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 11/11/2009

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

4. Identification of System, ASME Class
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)
(1) Piping	Duke Energy	None	None	None	2009	Installed	NO

7. Description of Work
EC102420 installed a flange spacer between 1B HPI pump discharge flange and the discharge piping.

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
01893888	2 of 2

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

① EC102420 installed spacer, replaced (8) 1 1/4" studs and (8) 1 1/4" nuts at discharge flange on 1B HPI pump.

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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, Senior Technical Specialist Date 11/24/2009
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 10-28-09 to 12-2-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

Commissions SC 232 NIABC
 National Board, State, Province, and Endorsements

Date 12-2-09

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01895407	Sheet 1 of 2
-------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 11/6/2009

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

4. Identification of System, ASME Class
LPSW , 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

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)
Flexhose 1LPSFX0015	Flexonics	UNK	UNK	UNK	UNK	Removed	
Flexhose 1LPSFX0015	Flexonics	H-3294	UNK	UTC # 857384	1991	Installed	YES

7. Description of Work
Replace Flex Hose 1 LPS FX 0015

8. Test Conducted
 Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure 140 PSI Test Temperature 50 °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
01895407	2 of 2

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

- ① *** Leak discovered during outage. This Unit 3 flexhose from stock was used. Per OFD 124B-1.4 piping is Duke Class F. It is acceptable to use this equivalent Duke Class C component in the Reactor Building.
- ② Copy of Flexonics Data Report (D. E. File # 8344-0243.00-00-2910-00) attached. Note: The original report included FULL size As-Built copies of vendor drawing D-53417 (Duke drawing OM 222.-0072 001). The pertinent sections with sign-offs of those drawings are provided.

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- ⑧
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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 *Gary L. Armentout* _____ Date 11/7/2009 _____
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-6-09 to 11-19-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] _____ Commissions SC 232 NIABC _____
 Inspector's Signature National Board, State, Province, and Endorsements
 Date 11-19-09 _____

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01895528	Sheet 1 of 2
-------------------------------	-----------------

1. Owner Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	2. Plant Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit ONS - 1
		Date 11/7/2009

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

4. Identification of System, ASME Class
LPSW , 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

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)
Flexhose 1LPSFX0016	Flexonics	UNK	UNK	UNK	UNK	Removed	
Flexhose 1LPSFX0016	Flexonics	H-3295	UNK	UTC # 857383	1991	Installed	YES

7. Description of Work
Replace Flex Hose 1 LPS FX 0016

8. Test Conducted
 Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure 140 PSI Test Temperature 50 °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
01895528	2 of 2

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

- ① *** Leak discovered during outage. This Unit 3 flexhose from stock was used. Per OFD 124B-1.4 piping is Duke Class F. It is acceptable to use this equivalent Duke Class C component in the Reactor Building.
- ② Copy of Flexonics Data Report (D. E. File # 8344-0243.00-00-2910-00) attached. Note: The original report included FULL size As-Built copies of vendor drawing D-53417 (Duke drawing OM 222.-0072 001). The pertinent sections with sign-offs of those drawings are provided.

- ③
- ④
- ⑤
- ⑥
- ⑦
- ⑧
- ⑨
- ⑩

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 *Geary L. Armentrout* Date 11/7/2009
 Geary L. Armentrout, Principal Engineer.
 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 11-7-09 to 11-19-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Geary L. Armentrout Commissions SC 232 NBABC
 Inspector's Signature National Board, State, Province, and Endorsements

Date 11-19-09

6.0 Pressure Testing

Second Period – Fourth 10-Year Interval

Table 6-1 shows the number of Class 1 (Category B-P) and Class 2 (Category C-H) pressure tests zones completed from refueling outage EOC-24 through refueling outage EOC-25. There was no through-wall leakage observed during these pressure tests.

Table 6-1 Outage Specific Summary		
Examination Category	Test Requirement	Total Zones Credited for EOC25
B-P	System Leakage Test (IWB-5220)	4
C-H	System Leakage Test (IWC-5220)	17

Table 6-2 shows a completion status for the number of pressure test zones conducted during the second period of the fourth ten-year interval.

Table 6-2 Second Period Specific Summary				
Examination Category	Test Requirement	Total Zones Required For This Period	Total Zones Credited For This Period	(%) Zones Complete For This Period
B-P	System Leakage Test (IWB-5220)	8	8	100 %
C-H	System Leakage Test (IWC-5220)	53	52	98.1 %

The Class 1 (Category B-P) pressure test zones are required each refueling outage. Table 6-3 shows a completion status of the Class 1 (Category B-P) pressure test zones conducted during refueling cycle EOC25.

	Zone Number	EOC25 Completion Status	EOC25 VT-2 Examination Date	Code Case(s) Used
1	OZ1L-16	Complete	11/30/09	None
2	OZ1L-1A	Complete	11/30/09	None
3	OZ1L-1AA	Complete	11/30/09	None
4	OZ1L-1Z	Complete	11/30/09	None

Class 2 (Category C-H) pressure test zones are required once each inspection period. Table 6-4 shows a completion status for the Class 2 (Category C-H) pressure tests required for the second period of the fourth ten-year interval.

	Zone Number	Period Completion Status	Final VT-2 Examination Date	Code Case(s) Used
1	IZ1L-10	Complete	4/12/2008	None
2	IZ1L-11	Complete	4/12/2008	None
3	IZ1L-12	Complete	10/1/2008	None
4	IZ1L-13	Complete	4/9/2008	None
5	IZ1L-14A	Complete	5/6/2008	None
6	IZ1L-14B	Complete	5/5/2008	None
7	IZ1L-20	Complete	4/8/2008	None
8	IZ1L-21	Complete	5/25/2008	None
9	IZ1L-22	Complete	9/17/2008	None
10	IZ1L-24	Complete	11/25/2008	None
11	IZ1L-25	Complete	11/24/2008	None
12	IZ1L-4	Complete	4/8/2008	None
13	IZ1L-40	Complete	8/11/2008	None
14	IZ1L-41	Not Yet Tested	N/A	N/A
15	IZ1L-48	Complete	9/22/2009	None
16	IZ1L-5	Complete	10/06/2008	None
17	IZ1L-60	Complete	6/5/2008	None
18	OZ1L-14B	Complete	5/06/2008	None
19	OZ1L-15	Complete	5/29/2008	None
20	OZ1L-16	Complete	5/28/2008	None
21	OZ1L-17	Complete	5/27/2008	None
22	OZ1L-17B	Complete	5/6/2008	None
23	OZ1L-18	Complete	5/26/2008	None
24	OZ1L-19A	Complete	11/03/2009	None
25	OZ1L-19B	Complete	11/03/2009	None

	Zone Number	Period Completion Status	Final VT-2 Examination Date	Code Case(s) Used
26	OZ1L-1A	Complete	5/29/2008	None
27	OZ1L-2	Complete	5/29/2008	None
28	OZ1L-21	Complete	5/25/2008	None
29	OZ1L-23	Complete	5/25/2008	None
30	OZ1L-26	Complete	5/25/2008	None
31	OZ1L-27A	Complete	11/27/2009	None
32	OZ1L-27B	Complete	5/25/2008	None
33	OZ1L-28	Complete	5/29/2008	None
34	OZ1L-29	Complete	5/25/2008	None
35	OZ1L-29A	Complete	5/25/2008	None
36	OZ1L-3	Complete	5/29/2008	None
37	OZ1L-30	Complete	5/25/2008	None
38	OZ1L-30A	Complete	5/25/2008	None
39	OZ1L-31A	Complete	5/29/2008	None
40	OZ1L-31B	Complete	5/29/2008	None
41	OZ1L-31C	Complete	5/29/2008	None
42	OZ1L-34	Complete	4/19/2008	None
43	OZ1L-39	Complete	10/15/2009	None
44	OZ1L-42A	Complete	10/10/2009	None
45	OZ1L-42B	Complete	10/10/2009	None
46	OZ1L-44	Complete	11/30/2009	None
47	OZ1L-6	Complete	5/26/2008	None
48	OZ1L-6B	Complete	2/29/2008	None
49	OZ1L-64	Complete	5/29/2008	None
50	OZ1L-65	Complete	5/29/2008	None
51	OZ1L-7	Complete	5/6/2008	None
52	OZ1L-7B	Complete	5/6/2008	None
53	OZ1L-9	Complete	5/25/2008	None

Section 6 Prepared By:	Date:
<i>Jim Boughman</i>	1/12/10

Section 6 Reviewed By:	Date:
<i>P W Waltman</i>	1/14/10