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February 27, 2013

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


Subject: Duke Energy Carolinas, LLC.
Oconee Nuclear Station, Unit 1
Docket No. 50-269
Unit 1 End of Cycle (EOC) 27 Refueling Outage
Inservice Inspection (ISI) Report
Fourth Ten-Year Inservice Inspection Interval

Duke Energy Carolinas, LLC (Duke Energy) is providing a copy of the Inservice Inspection Report for the Oconee Nuclear Station (ONS), Unit 1 EOC-27 Refueling Outage. This report is submitted pursuant to Section XI of the ASME Boiler and Pressure Vessel Code, 1998 Edition, with 2000 addenda, Articles IWA-6230 and IWA-6240.

This report does not include activities specific to the Steam Generator Tube Inservice Inspection. Duke Energy will transmit separately a summary report that documents the Steam Generator Tube Inservice Inspection of the ONS, Unit 1 EOC-27 Refueling Outage.

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

Sincerely,


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

Attachment

A047
WRR

Xc w/ attachment:

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

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			

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 176.

FORM NIS-1 (Back)

8. Examination Dates June 9, 2011 to November 29, 2012
9. Inspection Period Identification: Third Period
10. Inspection Interval Identification: Fourth Interval
11. Applicable Edition of Section XI 1998 Addenda 2000
12. Date/Revision of Inspection Plan: January 26, 2008/Revision 1
13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. See Sections 2.0, 3.0 and 6.0
14. Abstract of Results of Examination and Tests. See Sections 4.0 and 6.0
15. Abstract of Corrective Measures. See Subsection 4.3

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

Certificate of Authorization No. (if applicable) NA Expiration Date NA

Date 2/22/2013 Signed Duke Energy Carolinas By Mark E. Zurbuch
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 June 09, 2011 to November 29, 2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in the Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

Mark E. Zurbuch Commissions 13048, 201, A, N, I, IS
Inspector's Signature Mark E. Zurbuch National Board, State, Province, and Endorsements
Date February 22, 2013

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

**Owner's Report
For
INSERVICE INSPECTIONS**

**OCONEE UNIT 1
2012 REFUELING OUTAGE
EOC27 (OUTAGE 6)**

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

NRC Docket No. 50-269

Commercial Service Date: July 15, 1973

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

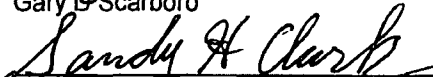
Revision 0

Originated By:


Gary D. Scarborough

Date 2/22/2013

Checked By:


Sandy H. Clark

Date 2-22-13

Approved By:


Mark A. Pyne

Date 2/22/13

DISTRIBUTION LIST

1. Duke Energy Carolinas
Nuclear Engineering
ASME Section XI Services
2. NRC Document Control Desk

Note: The following personnel are to be notified via e-mail after the Inservice Inspection Report has been stored in the Nuclear Electronic Document Library:

GO Nuclear Assurance c/o Bruce Nardoci
Inspection Services (ISI Coordinator)

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

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1.0 General Information

This report describes the Inservice Inspection of Duke's Oconee Nuclear Station, Unit 1 EOC 27 (Outage 6 of the fourth interval). This is the last outage in the third inspection period of the Fourth Ten-Year Interval. ASME Section XI, 1998 Edition with the 2000 Addenda, was the governing Code for selection and 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-504-2 / Alternative Rules for Repair of Class 1, 2, and 3 Austenitic Stainless Steel Piping. (Applicable to welds that received weld overlay.)

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

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

Code Case N-648-1 / Alternative Requirements for Inner Radius Examinations of Class 1 Reactor Vessel Nozzles, Section XI, Division I

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

Code Case N-665 / Alternative Requirements for Beam Angle Measurements using Refracted Longitudinal Wave Search Units

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

Code Case N-685 / Lighting Requirements for Surface Examinations

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

Code Case N-706 / Alternative Examination Requirements of Table IWB-2500-1 and Table IWC-2500-1 for PWR Stainless Steel Residual and Regenerative Heat Exchangers.. For Oconee it affects Category C-A. This code case will be used only on C1.10 items on the Decay Heat Coolers for all 3 Oconee Units.

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

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

Code Case N-770-1 Alternative Examination Requirements and Acceptance Standards for Class 1 PWR Piping and Vessel Nozzle Butt Welds Fabricated With UNS N06082 or UNS W86182 Weld Filler Material With or Without Application of Listed Mitigation Activities, Section XI, Division 1," ASME approval date: December 25, 2009.

PIP O-09-0848 was written to incorporate Code Case N-609 into the Fourth Interval ISI Plan.

PIP G-08-0185 was written to incorporate Code Case N-663 into the Fourth Interval ISI Plan.

Problem Investigation Process (PIP) Report O-12-14105. This PIP was written to track the evaluation process and resolution for limited coverage on UT examinations of welds that were inspected during EOC-27 for Unit 1. This will include processing relief request if it is determined that greater than ninety percent of coverage cannot be achieved. The welds with limited coverage are listed in Section 4.4 of this report.

Problem Investigation Process (PIP) Report O-13-00367 was written to document the work orders that had work completed during the 1EOC-27 report period but the documentation was not completed in time for the NIS-2 forms to be incorporated into 1EOC-27 report.

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

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

2.0 Fourth Ten Year Interval Inspection Status

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

Class 1 Inspections

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	(1) Deferral Allowed
B-A	Pressure Retaining Welds in Reactor Vessel	13	13	100%	Yes
B-B	Pressure Retaining Welds in Vessels Other than Reactor Vessel	10	10	100%	No
B-D	Full Penetration Welds of Nozzles in Vessels Inspection Program B	54	54	100%	Partial
B-F	Pressure Retaining Dissimilar Metal Welds	2	2	100%	Yes
B-G-1	Pressure Retaining Bolting Greater than 2 Inches in Diameter	125	125	100%	Yes
B-G-2	Pressure Retaining Bolting 2 Inches and Less in Diameter	22	22	100%	No
B-J	Pressure Retaining Welds in Piping	147	147	100%	No
B-K	Welded Attachments for Vessels, Piping, Pumps and Valves	9	9	100%	No

Class 1 Inspections (Continued)

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	(1) Deferral Allowed
B-L-1	Pressure Retaining Welds in Pump Casings	1	1	100%	Yes
B-L-2	Pump Casings	1	0	0% (3)	Yes
B-M-1	Pressure Retaining Welds in Valve Bodies	1	1	100%	Yes
B-M-2	Valve Bodies	3	3	100%	Yes
B-N-1	Interior of Reactor Vessel	3	3	100%	No
B-N-2	Welded Core Support Structures and Interior Attachments to Reactor Vessels	3	3	100%	Yes
B-N-3	Removable Core Support Structures	1	1	100%	Yes
B-O	Pressure Retaining Welds in Control Rod Housings	12	12	100%	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	37 Supports	100%	No
F-A F1.050 items	Class 1 Component Supports, Snubbers				(2)

Weld Overlay per Section XI Appendix Q

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed
Q-A	Q1.1 items Weld Overlay	3	3	(4) 100%

Class 2 Inspections

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed
C-A	Pressure Retaining Welds in Pressure Vessels	11	11	100%
C-B	Pressure Retaining Nozzle Welds in Vessels	4	4	100%
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	37	37	100%
C-D	Pressure Retaining Bolting Greater Than 2 Inches in Diameter	2	2	100%
C-F-1	Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping	175	175	100%
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	72	72	100%
C-G	Pressure Retaining Welds in Pumps and Valves	N/A	N/A	N/A
C-H	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT		
F-A F1.020 & F1.040 items	Class 2 Component Supports (Except Snubbers)	138	138	100%
F-A F1.050 items	Class 2 Component Supports, Snubbers			(2)

- (1) Deferral of inspection to the end of the interval as allowed by ASME Section XI Tables IWB and IWC 2500-1.
- (2) Inspected under Selected License Commitment 16.9.18 per Relief Request 03-006.
- (3) Reactor Coolant Pumps were not disassembled during the 4th Interval so no exams were required per Table IWB-2500 Examination Category B-L-2.
- (4) All weld overlays are scheduled and examined per Appendix Q.

Augmented/Elective Inspections

<i>Item Number</i>	<i>Description</i>	<i>Percentage Completed</i>
O1.B4.30	Head with Nozzles and Partial Penetration Welds, Bare Metal Visual per Code Case N-729-1	100% of EOC 27 Requirements
O1.B4.40	Head with nozzles and Partial Penetration Welds, Volumetric/Surface exam per Code Case N-729-1	100% of EOC 27 Requirements
O1.B15.80	Reactor Vessel Bottom Head Bare Metal Visual per Code Case N-722-1	No items scheduled for EOC 27
O1.B15.140	Pressurizer, Bare Metal Visual per Code Case N-722-1	100% of EOC 27 Requirements
O1.B15.210	Hot Leg Full Penetration Weld, Bare Metal Visual per Code Case N-722-1	100% of EOC 27 Requirements
O1.B15.215	Cold Leg Full Penetration Weld, Bare Metal Visual per Code Case N-722-1	No items scheduled for EOC 27
O1.G1.1	Reactor Coolant Pump Flywheel	Items removed from Augmented Plan per PIP O-12-14100.
O1.G2.1	HPI Nozzle Safe End Examinations	100% of EOC 27 Requirements
O1.G3.1	Pressurizer Surge Line Examinations	100% of EOC 27 Requirements
O1.G4.1	Thermal Stress Piping (NRC Bulletin 88-08)	100% of EOC 27 Requirements
O1.G12.1	UT Examination per MRP-139/ Code Case N-770-1	100% of EOC 27 Requirements
O1.G12.2	UT Examination per MRP-139/ Code Case N-770-1	100% of EOC 27 Requirements
O1.G16.1	UT Examination per MRP-146	No items scheduled for EOC 27
O1.H2.1	Class 1 RTE Mounting Bosses	No items scheduled for EOC 27
O1.H3.1	Main Feedwater Piping in the East and West Penetration Rooms per QA-513J (ER-ONS-04-03)	100% of EOC 27 Requirements
O1.H4.1	Main Feedwater and Main Steam Piping Supports and Attachment Welds per QA-513J (ER-ONS-04-05)	100% of EOC 27 Requirements
O1.H5.1	East Penetration Main Feedwater piping welds and attachments	No items scheduled for EOC 27
O1.H6.1	Main Feedwater rupture restraint attachment welds	No items scheduled for EOC 27

3.0 Final Inservice Inspection Plan

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

DUKE ENERGY
NUCLEAR TECHNICAL SERVICES
Inservice Inspection Database Management System
Plan Report

Oconee 1, 4th Interval, Outage 6 (EOC-27)

This report includes all changes through addendum ONS1-146

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.B15.140.0001	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)</p> <p>Comments revised per ONS1-139:</p> <p>Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group."</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 of the PZR welds per the requirements of Code Case N-722. (Item Number B15.140).</p> <p>B15.140 items are to be examined every 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 boric acid corrosion of adjacent ferritic steel components.</p> <p>Procedure NDE 68, Acceptance Criteria is "no evidence of boric acid corrosion."</p> <p>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B15.140.0002	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)</p> <p>Comments revised per ONS1-139:</p> <p>Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group."</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>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 of the PZR welds per the requirements of Code Case N-722. (Item Number B15.140).</p> <p>B15.140 items are to be examined every 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>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.) Comments revised per ONS1-139: Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.</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. 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>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B15.210.0002	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.) Comments revised per ONS1-139: Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.</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. 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>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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	NDE-68	VT-2	SS-Inconel		1.187 / 1.000		----
		OM 201-0181							
Dissimilar		OM 201-0738							
			<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.</p> <p>(Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.)</p> <p>Comments revised per ONS1-139:</p> <p>Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.</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 B15.210 item is to be examined each refueling outage.</p> <p>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B15.210.0004	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.</p> <p>(Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.)</p> <p>Comments revised per ONS1-139:</p> <p>Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.</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 B15.210 item is to be examined each refueling outage.</p> <p>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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-168 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.)</p> <p>Comments revised per ONS1-139: Bare metal visual examination by a qualified VT-2 Inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.</p> <p>This weld is located on piping that branches off of "A" Hot Leg.</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 B15.210 item is to be examined each refueling outage.</p> <p>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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

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									

Pipe to Safe End

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.)

Comments revised per ONS1-139:

Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.

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.

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.)</p> <p>Comments revised per ONS1-139: Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.</p> <p>This weld is located on piping that branches off of "B" Hot Leg.</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 B15.210 item is to be examined each refueling outage.</p> <p>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B15.210.0008	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									

Pipe to Safe End

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.)

Comments revised per ONS1-139:

Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.

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.

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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	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 (X-Axis) Hot Leg (Piece 7) to RTE Mounting Boss (piece 12). Comments revised per ONS1-139: Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.</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. 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>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B15.210.0010	1-PHA-14								
	Class 1 50	ISI-OCN1-005	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		----
		OM-201-2296							
Dissimilar		OM 201-0181							
			<p>Pipe to Pipe</p> <p>RTE Mounting Boss SB-166 to 690 Drywell Weld on 1A Hotleg (Y-Z Axis)</p> <p>Hot Leg (Piece 7) to RTE Mounting Boss (piece 12).</p> <p>Comments revised per ONS1-139:</p> <p>Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.</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 B15.210 item is to be examined each refueling outage.</p> <p>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B15.210.0011	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). Comments revised per ONS1-139: Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.</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. 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>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B15.210.0012	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 Drywall Weld on 1B Hotleg (X-Axis) Hot Leg (Piece 7) to RTE Mounting Boss (piece 12). Comments revised per ONS1-139: Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.</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. 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>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B15.210.0013	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). Comments revised per ONS1-139: Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.</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. 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>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B15.210.0014	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).</p> <p>Comments revised per ONS1-139: Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.</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."</p> <p>This B15.210 item is to be examined each refueling outage.</p> <p>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B15.210.0015	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</p> <p>Abandoned RTE Thermal Well Connection</p> <p>Comments revised per ONS1-139:</p> <p>Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.</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 B15.210 item is to be examined each refueling outage.</p> <p>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						

This report includes all changes through addendum ONS1-148

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B15.210.0016	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 # 38 on drawing OM 201-0351.001 and Mark # 10 on drawing OM-201-0181.001</p> <p>Abandoned RTE Thermal Well Connection</p> <p>Comments revised per ONS1-139:</p> <p>Bare metal visual examination by a qualified VT-2 inspector per the requirements of ASME Code Case N-722-1. These examinations shall be performed every refueling outage. Any questions concerning this exam shall be directed to the NGO Corporate Programs Group.</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 B15.210 item is to be examined each refueling outage.</p> <p>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</p>						
O1.B4.30.0001	1-RPV-HEAD -PEN								
	Class 1 50	O-ISIN4-100A-1.1	NDE-70	VT-1	CS/Alloy 690		NA/ NA		
		OM-201-2271							
Dissimilar									
			<p>As specified in ASME Code Case N-729-1, subject to the conditions specified in 10CFR50.55a (g) (6) (ii) (D) (2) through (6), a direct visual examination of the bare-metal surface of the entire outer surface of the reactor vessel head, including essentially 100% of the intersection of each nozzle with the head. For coverage requirements see Figure 1 of Code Case N-729-1. Relevant conditions for the purposes of the Visual Examinations shall include areas of corrosion, boric acid deposits, discoloration, and other evidence of nozzle leakage.</p> <p>Acceptance Criteria specified in ASME Code Case N-729-1, subject to the conditions in 10CFR50.55a (g) (6) (ii) (D) (2) through (6). On 12-18-2008 Rachel Doss submitted QA-513J form ER-ONS-09-02 to schedule these augmented exams. These exams will replace the exams required by NRC-Order EA-03-009 (Summary Number O1.G11.1.0002).</p> <p>Comments added per ONS1-140:</p> <p>Thickness / NPS could not be validated. If this information is needed contact R. Doss of Nuclear Engineering / Corporate Programs Group.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B4.40.0001	1-RPV-HEAD-PEN Class 1 50	O-ISIN4-100A-1.1 OM-201-2271	54-ISI-603	UT	CS/Alloy 690		0.000/ 0.000		---
Dissimilar			<p>Nozzle to Shell</p> <p>As specified in ASME Code Case N-729-1, subject to the conditions specified in 10CFR50.55a (g) (6) (ii) (D) (2) through (6), volumetric and / or surface examination of pressure-retaining partial-penetration weld nozzles. For coverage requirements see Figure 2 of Code Case N-729-1. A demonstrated volumetric or surface leak path assessment through all J-groove welds shall be performed.</p> <p>A vendor will have to be contracted to perform these exams. UT procedures shall be qualified in accordance with 10CFR50.55a (g) (6) (ii) (D) (4). Procedures shall be provided by the vendor and are subject to Duke's review and approval.</p> <p>Acceptance Criteria specified in ASME Code Case N-729-1 subject to the conditions in 10CFR50.55a (g) (6) (ii) (D) (2) through (6). On 12-18-2008 Rachel Doss submitted QA-513J form ER-ONS-09-01 to schedule these augmented exams. These exams will replace the exams required by NRC-Order EA-03-009 (Summary Number O1.G11.1.0001).</p> <p>NRC Order EA-03-009 requires ultrasonic testing of each RPV head penetration nozzle. The area to be examined includes the nozzle base material from two inches above the J-groove weld and continues to the bottom of the nozzle. There should be an assessment by ultrasonic testing to determine if leakage has occurred into (or a leak path exist in) the interference fit zone. For additional information, contact J.M. Shuping of the Metallurgy, Lab Services Group. These exams were requested on QA-513J form ER-ONS-04-01.</p> <p>A vendor will have to be contracted to perform these exams. Procedures shall be provided by the vendor and are subject to Duke's review and approval.</p> <p>On 4-3-2008 Rachel Doss submitted QA-513J form ER-ONS-08-03 that replaced the requirements of NRC Order EA-03-009 (requested in QA-513J form ER-ONS-04-01) with the requirements specified in Code Case N-729-1. As a result of the request on QA-513J form ER-ONS-08-03, the examination schedule was changed.</p> <p>On 12-18-2008 Rachel issued new QA-513J forms to schedule these exams per Code Case N-729-1. (Tracking Number ER-ONS-09-01)</p> <p>(New summary number O1.B4.40.0001.</p> <p>Comments added per ONS1-140: Thickness / NPS could not be validated. If this information is needed contact R. Doss of Nuclear Engineering / Corporate Programs Group.</p> <p>Comments added per ONS1-142: If the required coverage cannot be obtained by UT alone, a surface inspection (PT/ECT) may be necessary to achieve the required coverage. (Reference PIP G-12-1476 and QA-513J ER-ONS-09-01 Revision 1)</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.G12.1.0005	1-PDB1-11								
	Class 1	51A ISI OCN1-013 OM-201-597	PDI-UT-10	UT	CS-SS		0.750 / 3.500	40416	G12.001.005
Circumferential Dissimilar			<p>Nozzle to Safe End</p> <p>1B1 HPI Nozzle Pc. 46 to Safe End Pc. 47.</p> <p>Comments revised per ONS1-139:</p> <p>The volumetric examinations performed for the Pressure Injection (PI) and High Pressure Injection (HPI) nozzles for the thermal fatigue program (G2.1 Items) also meets the volumetric examination requirements for ASME Code Case N-770-1. Therefore, the inspection frequency for the PI and HPI nozzles does not change.</p> <p>Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 5 years between examinations. Comments added per ONS1-140:</p> <p>Comments added per ONS1-140:</p> <p>Thickness/NPS validated as shown on Isometric. If actual thickness is needed a field measurement will be required. Referenced isometric shows diameter as 3.50 but doesn't clarify if this is I.D or O.D.</p>						
O1.G12.1.0006	1-PDB2-11								
	Class 1	51A ISI OCN1-014 OM-201-597	PDI-UT-10	UT	CS-SS		0.750 / 3.500	40416	G12.001.006
Circumferential Dissimilar			<p>Nozzle to Safe End</p> <p>1B2 HPI Nozzle Pc. 46 to Safe End Pc. 47.</p> <p>Comments revised per ONS1-139:</p> <p>The volumetric examinations performed for the Pressure Injection (PI) and High Pressure Injection (HPI) nozzles for the thermal fatigue program (G2.1 Items) also meets the volumetric examination requirements for ASME Code Case N-770-1. Therefore, the inspection frequency for the PI and HPI nozzles does not change.</p> <p>Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 5 years between examinations.</p> <p>Comments added per ONS1-140:</p> <p>Thickness/NPS validated as shown on Isometric. If actual thickness is needed a field measurement will be required. Referenced isometric shows diameter as 3.50 but doesn't clarify if this is I.D or O.D.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.G12.1.0007	1-PDA1-11								
	Class 1	51A ISI OCN1-011	PDI-UT-10	UT	CS-SS		0.750 / 3.500	40416	G12.001.007
Circumferential		OM-201-597							
Dissimilar									
<p>Nozzle to Safe End</p> <p>1A1 Make-Up Nozzle Pc. 46 to Safe End Pc. 47.</p> <p>Comments revised per ONS1-139:</p> <p>The volumetric examinations performed for the Pressure Injection (PI) and High Pressure Injection (HPI) nozzles for the thermal fatigue program (G2.1 items) also meets the volumetric examination requirements for ASME Code Case N-770-1. Therefore, the inspection frequency for the PI and HPI nozzles does not change.</p> <p>Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 5 years between examinations.</p> <p>Comments added per ONS1-140:</p> <p>Thickness/NPS validated as shown on Isometric. If actual thickness is needed a field measurement will be required. Referenced isometric shows diameter as 3.50 but doesn't clarify if this is I.D or O.D.</p>									
O1.G12.1.0008	1-PDA2-11								
	Class 1	51A ISI OCN1-012	PDI-UT-10	UT	CS-SS		0.750 / 3.500	40416	G12.001.008
Circumferential		OM-201-597							
Dissimilar									
<p>Nozzle to Safe End</p> <p>1A2 Make-Up Nozzle Pc. 46 to Safe End Pc. 47.</p> <p>Comments revised per ONS1-139:</p> <p>The volumetric examinations performed for the Pressure Injection (PI) and High Pressure Injection (HPI) nozzles for the thermal fatigue program (G2.1 items) also meets the volumetric examination requirements for ASME Code Case N-770-1. Therefore, the inspection frequency for the PI and HPI nozzles does not change.</p> <p>Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 5 years between examinations.</p> <p>Comments added per ONS1-140:</p> <p>Thickness/NPS validated as shown on Isometric. If actual thickness is needed a field measurement will be required. Referenced isometric shows diameter as 3.50 but doesn't clarify if this is I.D or O.D.</p>									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.G12.2.0001	1-RPV-WR53 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-001	54-ISI-823	UT	SS-CS		1.688 / 15.625	8034675	G12.002.001
Circumferential Terminal End Dissimilar			<p>Nozzle to Safe End</p> <p>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.</p> <p>Comments revised per ONS1-139: The core flood nozzles are within scope of the 10-year reactor vessel (RV) ISI scheduled during the fall 2012 1EOC27 outage. The volumetric exams performed during the 10 year RV ISI (i.e. B5.10 items) also meets the requirements for Inspection Item B of Table 1 of ASME Code Case N-770-1. The core flood nozzles shall be scheduled during the 1EOC27 outage to reset the inspection frequency. The volumetric examination schedule for the core flood nozzles shall be reevaluated during the 5th interval.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 15.625" O.D. (reference Isometric ISI-OCN1-001).</p>						
O1.G12.2.0002	1-RPV-WR53A Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-001	54-ISI-823	UT	SS-CS		1.688 / 15.625	8034675	G12.002.002
Circumferential Terminal End Dissimilar			<p>Nozzle to Safe End</p> <p>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.</p> <p>Comments revised per ONS1-139: The core flood nozzles are within scope of the 10-year reactor vessel (RV) ISI scheduled during the fall 2012 1EOC27 outage. The volumetric exams performed during the 10 year RV ISI (i.e. B5.10 items) also meets the requirements for Inspection Item B of Table 1 of ASME Code Case N-770-1. The core flood nozzles shall be scheduled during the 1EOC27 outage to reset the inspection frequency. The volumetric examination schedule for the core flood nozzles shall be reevaluated during the 5th interval.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 15.625" O.D. (reference Isometric ISI-OCN1-001).</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.G12.2.0013	1-PIA1-11 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-007 OM-201-1870	PDI-UT-10	UT	CS-Inconel		0.816 / 3.500	40416	---
Dissimilar Stress Weld			<p>Nozzle to Safe End</p> <p>Reactor Coolant Pump 1A1 Suction Piping. Drain Nozzle Pc. 64 to Safe End Pc. 65</p> <p>Comments revised per ONS1-139: The ONS Unit 1 lower cold leg drain nozzles shall perform a baseline volumetric examination during the fall 2012 1EOC27 and then proceed with the normal inspection frequency as specified in ASME Code Case N-770-1. The lower cold leg drain nozzles shall be categorized as Inspection Item B per ASME Code Case N-770-1 and shall receive volumetric examinations every second inspection period not to exceed 7 years.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric. If actual thickness is needed a field measurement will be required. Referenced isometric shows diameter as 3.50 but doesn't clarify if this is I.D or O.D.</p>						
O1.G12.2.0014	1-PIA2-11 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-008 OM-201-1870	PDI-UT-10	UT	CS-Inconel		0.816 / 3.500	40416	---
Dissimilar Stress Weld			<p>Nozzle to Safe End</p> <p>Reactor Coolant Pump 1A2 Suction Piping. Drain Nozzle Pc. 64 to Safe End Pc. 65</p> <p>Comments revised per ONS1-139: The ONS Unit 1 lower cold leg drain nozzles shall perform a baseline volumetric examination during the fall 2012 1EOC27 and then proceed with the normal inspection frequency as specified in ASME Code Case N-770-1. The lower cold leg drain nozzles shall be categorized as Inspection Item B per ASME Code Case N-770-1 and shall receive volumetric examinations every second inspection period not to exceed 7 years.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric. If actual thickness is needed a field measurement will be required. Referenced isometric shows diameter as 3.50 but doesn't clarify if this is I.D or O.D.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.G12.2.0015	1-PIB2-11 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-010 OM-201-1870	PDI-UT-10	UT	CS-Inconel		0.816 / 3.500	40416	
Dissimilar Stress Weld			<p>Nozzle to Safe End</p> <p>Reactor Coolant Pump 1B2 Suction Piping. Drain Nozzle Pc. 64 to Safe End Pc. 65</p> <p>Comments revised per ONS1-139: The ONS Unit 1 lower cold leg drain nozzles shall perform a baseline volumetric examination during the fall 2012 1EOC27 and then proceed with the normal inspection frequency as specified in ASME Code Case N-770-1. The lower cold leg drain nozzles shall be categorized as Inspection Item B per ASME Code Case N-770-1 and shall receive volumetric examinations every second inspection period not to exceed 7 years.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric. If actual thickness is needed a field measurement will be required. Referenced isometric shows diameter as 3.50 but doesn't clarify if this is I.D or O.D.</p>						
O1.G2.1.0001	1-PDB1-46 Class 1 51A	ISI OCN1-013 OM-201-597	NDE-680	UT	CS		2.500 / NA	40410 40350	G02.001.005C
			<p>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.</p> <p>Comments added per ONS1-140: Thickness validated as shown on OM 201-597. If actual thickness is needed a field measurement will be required.</p>						
O1.G2.1.0002	1-PDA2-46 Class 1 51A	ISI OCN1-012 OM-201-597	NDE-680	UT	CS		2.500 / NA	40410 40350	G02.001.005B
			<p>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.</p> <p>Comments added per ONS1-140: Thickness validated as shown on OM 201-597. If actual thickness is needed a field measurement will be required.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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 / NA	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. Comments added per ONS1-140: Thickness validated as shown on OM 201-597. If actual thickness is needed a field measurement will be required.									
O1.G2.1.0004	1-PDB2-46 Class 1 51A	ISI OCN1-014 OM-201-597	NDE-680	UT	CS		2.500 / NA	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. Comments added per ONS1-140: Thickness validated as shown on OM 201-597. If actual thickness is needed a field measurement will be required.									
O1.G2.1.0005	1-PDA1-11 Class 1 51A	ISI OCN1-011 OM-201-597	PDI-UT-10	UT	CS-SS		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. Comments added per ONS1-140: Thickness / NPS validated as shown on Isometric. If actual thickness is needed a field measurement will be required..								

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.G2.1.0006	1-PDA2-11								
	Class 1 51A	ISI OCN1-012	PDI-UT-10	UT	CS-SS		0.750 / 3.500	40416	G02.001.006B
Circumferential		OM-201-597							
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. Comments added per ONS1-140: Thickness / NPS validated as shown on Isometric. If actual thickness is needed a field measurement will be required.									
O1.G2.1.0007	1-PDB2-11								
	Class 1 51A	ISI OCN1-014	PDI-UT-10	UT	CS-SS		0.750 / 3.500	40416	G02.001.006D
Circumferential		OM-201-597							
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. Comments added per ONS1-140: Thickness / NPS validated as shown on Isometric. If actual thickness is needed a field measurement will be required.									
O1.G2.1.0008	1-PDB1-11								
	Class 1 51A	ISI OCN1-013	PDI-UT-10	UT	CS-SS		0.750 / 3.500	40416	G02.001.006C
Circumferential		OM-201-597							
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. Comments added per ONS1-140: Thickness / NPS validated as shown on Isometric. If actual thickness is needed a field measurement will be required.									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.G2.1.0009	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
<p>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.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric. If actual thickness is needed a field measurement will be required. Referenced isometric shows diameter as 3.50 but doesn't clarify if this is I.D or O.D.</p>									
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
<p>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.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric. If actual thickness is needed a field measurement will be required. Referenced isometric shows diameter as 3.50 but doesn't clarify if this is I.D or O.D.</p>									
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
<p>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.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric. If actual thickness is needed a field measurement will be required. Referenced isometric shows diameter as 3.50 but doesn't clarify if this is I.D or O.D.</p>									
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
<p>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.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric. If actual thickness is needed a field measurement will be required. Referenced isometric shows diameter as 3.50 but doesn't clarify if this is I.D or O.D.</p>									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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-ISIN4-100A-1.1	NDE-995	UT	SS		0.375 / 2.500	40378	G02.001.008B
Circumferential			<p>Safe End to Pipe</p> <p>Safe End Pc. 47 adjoining</p> <p>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.</p> <p>Inspect with G04.001.031.</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.G2.1.0014	1RC-201-101 Class 1 51A	1RC-201 O-ISIN4-100A-1.1	NDE-995	UT	SS		0.375 / 2.500	40378	G02.001.008C
			<p>Safe End to Pipe</p> <p>Safe End Pc. 47 adjoining</p> <p>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.</p> <p>Inspect with G04.001.003.</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.G2.1.0015	1RC-201-105 Class 1 51A	1RC-201 O-ISIN4-100A-1.1	NDE-995	UT	SS		0.375 / 2.500	40378	G02.001.008D
Circumferential			<p>Safe End to Pipe</p> <p>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.</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>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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	NDE-995	UT	SS		0.375 / 2.500	40378	G02.001.008A
Circumferential		O-ISIN4-100A-1.1	<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	NDE-995	UT	SS		0.375 / 2.500	40378	G02.001.010D
Circumferential		O-ISIN4-100A-1.1	<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	NDE-995	UT	SS		0.375 / 2.500	40378	G02.001.010B
Circumferential		O-ISIN4-100A-1.1	<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>						
O1.G2.1.0019	1RC-201-97								
	Class 1 51A	1RC-201	NDE-995	UT	SS		0.375 / 2.500	40378	G02.001.010C
Circumferential		O-ISIN4-100A-1.1	<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-11-80. 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>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.G2.1.0020	1RC-199-149 Class 1 51A	1RC-199 O-ISIN4-100A-1.1	NDE-995	UT	SS		0.375 / 2.500	40378	G02.001.010A
Circumferential			Pipe to Valve 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.						
O1.G3.1.0002	1-PSL-133 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-015	PDI-UT-2	UT	SS	160	1.000 / 10.750	PDI-UT-2A-O PDI-UT-2-O	G03.001.002
Stress Weld			Elbow at Pc. 80 to Pc. 83. Examine the entire circumference at the midpoint of the elbow. Reference Section 7 of the ISI Plan, General Requirements. Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric ISI-OCN1-015. If actual thickness is needed a field measurement will be required. Referenced isometric shows diameter as 10.75 but doesn't clarify if this is I.D or O.D.						
O1.G3.1.0003	1-PSL-142 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-015	PDI-UT-2	UT	SS	160	1.000 / 10.750	PDI-UT-2-O PDI-UT-2A-O	G03.001.003
Stress Weld			Elbow at Pc. 80 to Pc. 82. Examine the entire circumference at the midpoint of the elbow. Reference Section 7 of the ISI Plan, General Requirements. Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric ISI-OCN1-015. If actual thickness is needed a field measurement will be required. Referenced isometric shows diameter as 10.75 but doesn't clarify if this is I.D or O.D.						
O1.G4.1.0001	1RC-201-105 Class 1 51A	O-ISIN4-100A-1.1 1RC-201	NDE-995	UT	SS		0.375 / 2.500	40378	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.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.G4.1.0002	1RC-201-92								
Circumferential	Class 1 51A	O-ISIN4-101A-1.4 1RC-201	NDE-995	UT	SS		0.375 / 2.500	40378	G04.001.002
			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.						
O1.G4.1.0003	1RC-201-101								
Circumferential	Class 1 51A	O-ISIN4-101A-1.4 1RC-201	NDE-995	UT	SS		0.375 / 2.500	40378	G04.001.003
			Pipe to Safe-End 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.						
O1.G4.1.0004	1RC-201-97								
Circumferential	Class 1 51A	O-ISIN4-101A-1.4 1RC-201	NDE-995	UT	SS		0.375 / 2.500	40378	G04.001.004
			Pipe to Valve 1HP-153 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.						
O1.G4.1.0007	1RC-201-91								
Circumferential	Class 1 51A	O-ISIN4-101A-1.4 1RC-201	NDE-12	RT	SS		0.375 / 2.500		G04.001.013
			Valve 1HP-489 to Valve 1HP-152 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.						
O1.G4.1.0007	1RC-201-91								
Circumferential	Class 1 51A	O-ISIN4-101A-1.4 1RC-201	NDE-995	UT	SS		0.375 / 2.500	40378	G04.001.013
			Valve 1HP-489 to Valve 1HP-152 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.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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								
Circumferential	Class 1 51A	O-ISIN4-101A-1.4 1RC-201	NDE-12	RT	SS		0.375 / 2.500		G04.001.014
Valve 1HP-488 to Valve 1HP-153 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.									
O1.G4.1.0008	1RC-201-96								
Circumferential	Class 1 51A	O-ISIN4-101A-1.4 1RC-201	NDE-995	UT	SS		0.375 / 2.500	40378	G04.001.014
Valve 1HP-488 to Valve 1HP-153 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.									
O1.G4.1.0014	1RC-200-166								
Circumferential	Class 1 51A	O-ISIN4-100A-1.1 1RC-200	NDE-12	RT	SS		0.375 / 2.500		G04.001.020
Valve 1HP-486 to Valve 1HP-126 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.									
O1.G4.1.0014	1RC-200-166								
Circumferential	Class 1 51A	O-ISIN4-100A-1.1 1RC-200	NDE-995	UT	SS		0.375 / 2.500	40378	G04.001.020
Valve 1HP-486 to Valve 1HP-126 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.									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.G4.1.0018	1RC-199-150								
Circumferential	Class 1 51A	O-ISIN4-100A-1.1 1RC-199	NDE-12	RT	SS		0.375 / 2.500		G04.001.024
Valve 1HP-127 to Valve 1HP-487 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.									
O1.G4.1.0018	1RC-199-150								
Circumferential	Class 1 51A	O-ISIN4-100A-1.1 1RC-199	NDE-995	UT	SS		0.375 / 2.500	40378	G04.001.024
Valve 1HP-127 to Valve 1HP-487 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.									
O1.G4.1.0022	1RC-199-149								
Circumferential	Class 1 51A	O-ISIN4-100A-1.1 1RC-199	NDE-995	UT	SS		0.375 / 2.500	40378	G04.001.028
Pipe to Valve 1HP-127 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.									
O1.G4.1.0023	1RC-199-154								
Circumferential	Class 1 51A	O-ISIN4-100A-1.1 1RC-199	NDE-995	UT	SS		0.375 / 2.500	40378	G04.001.029
Safe End Pc. 47 to Pipe 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.									
O1.G4.1.0024	1RC-200-160								
Circumferential	Class 1 51A	O-ISIN4-100A-1.1 1RC-200	NDE-995	UT	SS		0.375 / 2.500	40378	G04.001.030
Pipe to Valve 1HP-126 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.									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.G4.1.0025	1RC-200-161								
	Class 1 51A	O-ISIN4-100A-1.1	NDE-995	UT	SS		0.375 / 2.500	40378	G04.001.031
Circumferential		1RC-200							
			Safe End Pc. 47 to Pipe						
			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.						
Category B-A									
O1.B1.11.0001	1-RPV-WR17								
	Class 1 50	O-ISIN4-100A-1.1	54-ISI-801	UT	CS		9.500 / 171.00	95001	B01.011.001
Circumferential		ISI-OCN1-001							
		OM-201-1877							
			Nozzle Belt to Shell						
			Reactor Vessel Nozzle Belt Lower Course Pc. 9 to Upper Shell Lower Course Pc. 10.						
			A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.						
			Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 171" I.D. (reference Isometric ISI-OCN1-001).						
O1.B1.11.0002	1-RPV-WR1A								
	Class 1 50	O-ISIN4-100A-1.1	54-ISI-801	UT	CS		9.500 / 171.00	95001	B01.011.002
Circumferential		OM-201-1877							
		ISI-OCN1-001							
			Shell to Shell						
			Reactor Vessel Upper Shell Lower Course Pc. 10 to Lower Shell Upper Course Pc. A1.						
			A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.						
			Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 171" I.D. (reference Isometric ISI-OCN1-001).						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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-A									
O1.B1.11.0003	1-RPV-WR1								
Circumferential	Class 1 50	O-ISIN4-100A-1.1 OM-201-1877 ISI-OCN1-001	54-ISI-801	UT	CS		9.500 / 171.00	95001	B01.011.003
			<p>Shell to Shell</p> <p>Reactor Vessel Lower Shell Upper Course Pc. A1 to Lower Shell Lower Course Pc. A2.</p> <p>A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 171" I.D. (reference isometric ISI-OCN1-001).</p>						
O1.B1.11.0004	1-RPV-WR18								
Circumferential	Class 1 50	O-ISIN4-100A-1.1 OM-201-1877 ISI-OCN1-001	54-ISI-801	UT	CS		12.000 / 168.00	95001	B01.011.004
			<p>Nozzle Belt to Nozzle Belt</p> <p>Reactor Vessel Nozzle Belt Upper Course Pc. 8 to Nozzle Belt Lower Course Pc. 9.</p> <p>A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 168" I.D. (reference isometric ISI-OCN1-001).</p>						
O1.B1.11.0005	1-RPV-WR34								
Circumferential	Class 1 50	O-ISIN4-100A-1.1 OM-201-1877 ISI-OCN1-001	54-ISI-801	UT	CS		5.500 / 170.00	95001	B01.011.005
			<p>Shell to Ring Section</p> <p>Reactor Vessel Lower Shell Lower Course Pc. A-2 to Lower Head Ring Section Pc. 36.</p> <p>A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 170" I.D. (reference isometric ISI-OCN1-001).</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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-A									
O1.B1.12.0001	1-RPV-A2-WR2								
Longitudinal	Class 1 50	O-ISIN4-100A-1.1 OM-201-1877 ISI-OCN1-001	54-ISI-801	UT	CS		9.500 / NA	95001	B01.012.001
Shell to Shell Reactor Vessel Lower Shell Lower Course Pc. A2. X-Y Quadrant. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required.									
O1.B1.12.0002	1-RPV-A2-WR2A								
Longitudinal	Class 1 50	O-ISIN4-100A-1.1 OM-201-1877 ISI-OCN1-001	54-ISI-801	UT	CS		9.500 / NA	95001	B01.012.002
Shell to Shell Reactor Vessel Lower Shell Lower Course Pc. A2. Z-W Quadrant. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required. Comments added per ONS1-140: Thickness validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required.									
O1.B1.12.0003	1-RPV-A1-WR2								
Longitudinal	Class 1 50	O-ISIN4-100A-1.1 OM-201-1877 ISI-OCN1-001	54-ISI-801	UT	CS		9.500 / NA	95001	B01.012.003
Shell to Shell Reactor Vessel Lower Shell Upper Course Pc. A1. X-Y Quadrant. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required.									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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-A									
O1.B1.12.0004	1-RPV-A1-WR2A								
Longitudinal	Class 1 50	O-ISIN4-100A-1.1 OM-201-1877 ISI-OCN1-001	54-ISI-801	UT	CS		9.500 / NA	95001	B01.012.004
			Shell to Shell Reactor Vessel Lower Shell Upper Course Pc. A1. Z-W Quadrant. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required.						
O1.B1.12.0005	1-RPV-A10-WR2A								
Longitudinal	Class 1 50	O-ISIN4-100A-1.1 OM-201-1877 ISI-OCN1-001	54-ISI-801	UT	CS		9.500 / NA	95001	B01.012.005
			Shell to Shell Reactor Vessel Upper Shell Lower Course Pc. 10. X-Y Quadrant. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required.						
O1.B1.12.0006	1-RPV-A10-WR2A								
Longitudinal	Class 1 50	O-ISIN4-100A-1.1 OM-201-1877 ISI-OCN1-001	54-ISI-801	UT	CS		9.500 / NA	95001	B01.012.006
			Shell to Shell Reactor Vessel Upper Shell Lower Course Pc. 10. Z-W Quadrant. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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-A									
O1.B1.21.0001	1-RPV-WR35								
Circumferential	Class 1 50	O-ISIN4-100A-1.1 OM-201-1877 ISI-OCN1-001	54-ISI-801	UT	CS		5.375 / 143.00	95001	B01.021.002
<p>Cap Section to Ring Section</p> <p>Reactor Vessel Lower Head Cap Section Pc. 6 to Lower Head Ring Section Pc. 36.</p> <p>A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 143" I.D. (reference Isometric ISI-OCN1-001).</p>									
O1.B1.30.0001	1-RPV-WR19								
Circumferential	Class 1 50	O-ISIN4-100A-1.1 OM-201-1877 ISI-OCN1-001	54-ISI-801	UT	CS		12.000 / 171.00	95001	B01.030.001, B01.030.001A
<p>Flange to Nozzle Belt</p> <p>Reactor Vessel Flange Pc. 7 to Nozzle Belt Upper Course Pc. 8. (B01.030.001)UT from Vessel Wall. (automated scan) -(B01.030.001A)UT from Flange Surface. (manual scan)</p> <p>For the examination performed during the third period, a Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 171" I.D. (reference Isometric ISI-OCN1-001).</p>									
Category B-B									
O1.B2.11.0002	1-PZR-WP28								
Circumferential	Class 1 50	O-ISIN4-100A-1.2 OM-201-1878 ISI-OCN1-002	NDE-820	UT	CS		4.750 / 84.000	40394 40338	B02.011.002
<p>Htr. Belt Shell/Forging to Head</p> <p>Pressurizer Heater Belt Shell Pc. 4 and Lower Heater Belt Forging Pc. 40 to Lower Head Pc. 6.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 84" I.D. (reference Isometric ISI-OCN1-002).</p>									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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-B									
O1.B2.11.0002	1-PZR-WP28 Class 1 50	O-ISIN4-100A-1.2 OM-201-1878 ISI-OCN1-002	NDE-640	UT	CS		4.750 / 84.000	40394 40338	B02.011.002
Circumferential			Htr. Belt Shell/Forging to Head Pressurizer Heater Belt Shell Pc. 4 and Lower Heater Belt Forging Pc. 40 to Lower Head Pc. 6. Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 84" I.D. (reference Isometric ISI-OCN1-002).						
O1.B2.12.0002	1-PZR-WP7-1 Class 1 50	O-ISIN4-100A-1.2 OM-201-1878 ISI-OCN1-002	NDE-820	UT	CS		6.188 / NA	40338	B02.012.002
Longitudinal			Htr. Belt Shell to Htr. Belt Forging Pressurizer Heater Belt Shell Pc. 4 to Lower / Upper Heater Belt Forging Pc. 40/41. Y-Z Quadrant. Comments added per ONS1-140: Thickness validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required. Scan 1FT. of weld per requirements in Table IWB2500-1 for B2.12 item.						
O1.B2.12.0002	1-PZR-WP7-1 Class 1 50	O-ISIN4-100A-1.2 OM-201-1878 ISI-OCN1-002	NDE-640	UT	CS		6.188 / NA	40338	B02.012.002
Longitudinal			Htr. Belt Shell to Htr. Belt Forging Pressurizer Heater Belt Shell Pc. 4 to Lower / Upper Heater Belt Forging Pc. 40/41. Y-Z Quadrant. Comments added per ONS1-140: Thickness validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required. Scan 1FT. of weld per requirements in Table IWB2500-1 for B2.12 item.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cat Blocks	Component ID 2
Category B-B									
O1.B2.51.0003	1LDCB-INLET Class 1 51A	O-ISIN4-101A-1.1 N32389-1 OM-201-3235	NDE-3630 Head to Head Letdown Cooler 1B Inlet Channel Body to Chemical Connector. Examine weld WJ32V on Iso N-32389-1. This heat exchanger replaced in 1EOC26 with design shown on OM-201-3235. Comments added per ONS1-140: Thickness validated as shown on vendor drawing listed. If actual thickness is needed a field measurement will be required.	UT	SS		0.875 / NA	40411	----
O1.B2.51.0004	1LDCB-OUTLET Class 1 51A	O-ISIN4-101A-1.1 N32389-1 OM-201-3235	NDE-3630 Head to Head Letdown Cooler 1B Outlet Channel Body to Chemical Connector. Examine weld WJ35V on Iso N-32389-1. This heat exchanger replaced in 1EOC26 with design shown on OM-201-3235. Comments added per ONS1-140: Thickness validated as shown on vendor drawing listed. If actual thickness is needed a field measurement will be required.	UT	SS		0.875 / NA	40411	----
Category B-D									
O1.B3.100.0001	1-RPV-WR13 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-001 OM-201-1877	54-ISI-364 Nozzle to Vessel RV Outlet Nozzle Pc. 19 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. X Axis (Inside Radius Section). An enhanced VT-1 (EVT-1) inspection will be performed in lieu of UT inspection per Code Case N-648-1. 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.	VT-1	CS		12.000 / 60.000		B03.100.001

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B3.100.0002	1-RPV-WR13A Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-001 OM-201-1877	54-ISI-364 Nozzle to Vessel RV Outlet Nozzle Pc. 19 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. Z Axis (Inside Radius Section). An enhanced VT-1 (EVT-1) inspection will be performed in lieu of UT inspection per Code Case N-648-1. 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.	VT-1	CS		12.000 / 60.000		B03.100.002
O1.B3.100.0003	1-RPV-WR12 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-001 OM-201-1877	54-ISI-364 Nozzle to Vessel RV Inlet Nozzle Pc. 18 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. W-X Quadrant (Inside Radius Section). An enhanced VT-1 (EVT-1) inspection will be performed in lieu of UT inspection per Code Case N-648-1. 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.	VT-1	CS		12.000 / 48.000		B03.100.003
O1.B3.100.0004	1-RPV-WR12A Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-001 OM-201-1877	54-ISI-364 Nozzle to Vessel RV Inlet Nozzle Pc. 18 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. X-Y Quadrant (Inside Radius Section). An enhanced VT-1 (EVT-1) inspection will be performed in lieu of UT inspection per Code Case N-648-1. 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.	VT-1	CS		12.000 / 48.000		B03.100.004

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B3.100.0005	1-RPV-WR12B Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-001 OM-201-1877	54-ISI-364 Nozzle to Vessel RV Inlet Nozzle Pc. 18 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. Y-Z Quadrant (Inside Radius Section). An enhanced VT-1 (EVT-1) inspection will be performed in lieu of UT inspection per Code Case N-648-1. 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.	VT-1	CS		12.000 / 60.000		B03.100.005
O1.B3.100.0006	1-RPV-WR12C Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-001 OM-201-1877	54-ISI-364 Nozzle to Vessel RV Inlet Nozzle Pc. 18 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. Z-W Quadrant (Inside Radius Section). An enhanced VT-1 (EVT-1) inspection will be performed in lieu of UT inspection per Code Case N-648-1. 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.	VT-1	CS		12.000 / 60.000		B03.100.006
O1.B3.100.0007	1-RPV-WR54 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-001 OM-201-1877	54-ISI-364 Nozzle to Vessel RV Core Flood Nozzle Pc. 17 to Nozzle Belt Upper Course Pc. 8. W Axis (Inside Radius Section). An enhanced VT-1 (EVT-1) inspection will be performed in lieu of UT inspection per Code Case N-648-1. 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.	VT-1	CS		12.000 / 25.000		B03.100.007

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B3.100.0008	1-RPV-WR54A Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-001 OM-201-1877	54-ISI-364 Nozzle to Vessel RV Core Flood Nozzle Pc. 17 to Nozzle Belt Upper Course Pc. 8. Y Axis (Inside Radius Section). An enhanced VT-1 (EVT-1) inspection will be performed in lieu of UT inspection per Code Case N-648-1. 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.	VT-1	CS		12.000 / 25.000		B03.100.008
O1.B3.90.0001	1-RPV-WR13 Class 1 50	O-ISIN4-100A-1.1 OM-201-1877 ISI-OCN1-001	54-ISI-855 Nozzle to Vessel RV Outlet Nozzle Pc. 19 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. X Axis. (B03.090.001)UT From Vessel ID. -(B03.090.001A)UT From Nozzle ID. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 60" O.D. (reference Isometric ISI-OCN1-001).	UT	CS		12.000 / 60.000 50304		B03.090.001, B03.090.001A
O1.B3.90.0001	1-RPV-WR13 Class 1 50	O-ISIN4-100A-1.1 OM-201-1877 ISI-OCN1-001	54-ISI-855 Nozzle to Vessel RV Outlet Nozzle Pc. 19 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. X Axis. (B03.090.001)UT From Vessel ID. -(B03.090.001A)UT From Nozzle ID. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 60" O.D. (reference Isometric ISI-OCN1-001).	UT	CS		12.000 / 60.000 95001		B03.090.001, B03.090.001A

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B3.90.0002	1-RPV-WR13A								
	Class 1 50	O-ISIN4-100A-1.1	54-ISI-855	UT	CS		12.000 / 60.000		B03.090.002,
		OM-201-1877						50304	B03.090.002A
Circumferential		ISI-OCN1-001	Nozzle to Vessel RV Outlet Nozzle Pc. 19 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. Z Axis. (B03.090.002)UT From Vessel ID. -(B03.090.002A)UT From Nozzle ID. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 60" O.D. (reference Isometric ISI-OCN1-001).						
O1.B3.90.0002	1-RPV-WR13A								
	Class 1 50	O-ISIN4-100A-1.1	54-ISI-855	UT	CS		12.000 / 60.000	95001	B03.090.002,
Circumferential		OM-201-1877							B03.090.002A
		ISI-OCN1-001	Nozzle to Vessel RV Outlet Nozzle Pc. 19 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. Z Axis. (B03.090.002)UT From Vessel ID. -(B03.090.002A)UT From Nozzle ID. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 60" O.D. (reference Isometric ISI-OCN1-001).						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B3.90.0003	1-RPV-WR12 Class 1 50	O-ISIN4-100A-1.1 OM-201-1877	54-ISI-855	UT	CS		12.000 / 48.000	50304	B03.090.003, B03.090.003A
Circumferential		ISI-OCN1-001	Nozzle to Vessel RV Inlet Nozzle Pc. 18 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. W-X Quadrant. (B03.090.003)UT From Vessel ID. -(B03.090.003A)UT From Nozzle ID. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 48" O.D. (reference Isometric ISI-OCN1-001).						
O1.B3.90.0003	1-RPV-WR12 Class 1 50	O-ISIN4-100A-1.1 OM-201-1877	54-ISI-855	UT	CS		12.000 / 48.000	95001	B03.090.003, B03.090.003A
Circumferential		ISI-OCN1-001	Nozzle to Vessel RV Inlet Nozzle Pc. 18 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. W-X Quadrant. (B03.090.003)UT From Vessel ID. -(B03.090.003A)UT From Nozzle ID. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 48" O.D. (reference Isometric ISI-OCN1-001).						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B3.90.0004	1-RPV-WR12A								
	Class 1 50	O-ISIN4-100A-1.1	54-ISI-855	UT	CS		12.000 / 48.000		B03.090.004,
		ISI-OCN1-001						50304	B03.090.004A
Circumferential		OM-201-1877	Nozzle to Vessel RV Inlet Nozzle Pc. 18 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. X-Y Quadrant. (B03.090.004)UT From Vessel ID. -(B03.090.004A)UT From Nozzle ID. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 48" O.D. (reference Isometric ISI-OCN1-001).						
O1.B3.90.0004	1-RPV-WR12A								
	Class 1 50	O-ISIN4-100A-1.1	54-ISI-855	UT	CS		12.000 / 48.000	95001	B03.090.004,
		ISI-OCN1-001							B03.090.004A
Circumferential		OM-201-1877	Nozzle to Vessel RV Inlet Nozzle Pc. 18 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. X-Y Quadrant. (B03.090.004)UT From Vessel ID. -(B03.090.004A)UT From Nozzle ID. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 48" O.D. (reference Isometric ISI-OCN1-001).						

This report includes all changes through addendum ONS1-146
Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B3.90.0005	1-RPV-WR12B								
	Class 1 50	O-ISIN4-100A-1.1	54-ISI-855	UT	CS		12.000 / 48.000		B03.090.005,
		ISI-OCN1-001						50304	B03.090.005A
Circumferential		OM-201-1877	Nozzle to Vessel RV Inlet Nozzle Pc. 18 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. Y-Z Quadrant. (B03.090.005)UT From Vessel ID. -(B03.090.005A)UT From Nozzle ID. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 48" O.D. (reference Isometric ISI-OCN1-001).						
O1.B3.90.0005	1-RPV-WR12B								
	Class 1 50	O-ISIN4-100A-1.1	54-ISI-855	UT	CS		12.000 / 48.000	95001	B03.090.005,
		ISI-OCN1-001							B03.090.005A
Circumferential		OM-201-1877	Nozzle to Vessel RV Inlet Nozzle Pc. 18 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. Y-Z Quadrant. (B03.090.005)UT From Vessel ID. -(B03.090.005A)UT From Nozzle ID. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 48" O.D. (reference Isometric ISI-OCN1-001).						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th interval, outage 6 (EOC-27)

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.B3.90.0006	1-RPV-WR12C								
	Class 1 50	O-ISIN4-100A-1.1	54-ISI-855	UT	CS		12.000 / 48.000		B03.090.006,
		ISI-OCN1-001						50304	B03.090.006A
Circumferential		OM-201-1877	Nozzle to Vessel RV Inlet Nozzle Pc. 18 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. Z-W Quadrant. (B03.090.006)UT From Vessel ID. -(B03.090.006A)UT From Nozzle ID. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 48" O.D. (reference Isometric ISI-OCN1-001).						
O1.B3.90.0006	1-RPV-WR12C								
	Class 1 50	O-ISIN4-100A-1.1	54-ISI-855	UT	CS		12.000 / 48.000	95001	B03.090.006,
		ISI-OCN1-001							B03.090.006A
Circumferential		OM-201-1877	Nozzle to Vessel RV Inlet Nozzle Pc. 18 to Nozzle Belt Upper Course Pc. 8 and Lower Course Pc. 9. Z-W Quadrant. (B03.090.006)UT From Vessel ID. -(B03.090.006A)UT From Nozzle ID. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection. Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 48" O.D. (reference Isometric ISI-OCN1-001).						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B3.90.0007	1-RPV-WR54								
Circumferential	Class 1 50	O-ISIN4-100A-1.1 OM-201-1877 ISI-OCN1-001	54-ISI-855	UT	CS		12.000 / 25.000	95001	B03.090.007
<p>Nozzle to Vessel</p> <p>RV Core Flood Nozzle Pc. 17 to Nozzle Belt Upper Course Pc. 8. W Axis. UT From Vessel ID.</p> <p>The core flood nozzle to shell welds are only examined from the vessel id. The flow restrictors in the nozzle bore do not allow access/examination from the nozzle id.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS is not clearly defined (O.D. or I.D) on Isometric ISI-OCN1-001.</p> <p>A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.</p>									
O1.B3.90.0008	1-RPV-WR54A								
Circumferential	Class 1 50	O-ISIN4-100A-1.1 OM-201-1877 ISI-OCN1-001	54-ISI-855	UT	CS		12.000 / 25.000	95001	B03.090.008
<p>Nozzle to Vessel</p> <p>RV Core Flood Nozzle Pc. 17 to Nozzle Belt Upper Course Pc. 8. Y Axis. UT From Vessel ID.</p> <p>The core flood nozzle to shell welds are only examined from the vessel id. The flow restrictors in the nozzle bore do not allow access/examination from the nozzle id.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS is not clearly defined (O.D. or I.D) on Isometric ISI-OCN1-001.</p> <p>A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.</p>									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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-F									
O1.B5.10.0001	1-RPV-WR53 Class 1 50	O-ISIN4-100A-1.1	54-ISI-823	UT	SS-CS		1.688 / 15.625	8034675	B05.010.001, B05.010.001A
Circumferential Terminal End Dissimilar		ISI-OCN1-001	<p>Nozzle to Safe End</p> <p>RV A-Side Core Flood Nozzle Pc. 17 to Core Flood Nozzle Safe End Pc. 89. W-Axis. Procedures must be qualified through PDI. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.</p> <p>Comments revised per ONS1-139: The core flood nozzles are within scope of the 10-year reactor vessel (RV) ISI scheduled during the fall 2012 1EOC27 outage. The volumetric exams performed during the 10 year RV ISI also meets the requirements for ASME Code Case N-770-1(G12.2 0001 and G12.2.0002 items).</p> <p>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 15.625" O.D. (reference Isometric ISI-OCN1-001).</p>						
O1.B5.10.0002	1-RPV-WR53A Class 1 50	O-ISIN4-100A-1.1	54-ISI-823	UT	SS-CS		1.688 / 15.625	8034675	B05.010.002, B05.010.002A
Circumferential Terminal End Dissimilar		ISI-OCN1-001	<p>Nozzle to Safe End</p> <p>RV B-Side Core Flood Nozzle Pc. 17 to Core Flood Nozzle Safe End Pc. 89. Y-Axis. Procedures must be qualified through PDI. A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.</p> <p>Comments revised per ONS1-139: The core flood nozzles are within scope of the 10-year reactor vessel (RV) ISI scheduled during the fall 2012 1EOC27 outage. The volumetric exams performed during the 10 year RV ISI also meets the requirements for ASME Code Case N-770-1(G12.2 0001 and G12.2.0002 items).</p> <p>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The NPS shown is 15.625" O.D. (reference Isometric ISI-OCN1-001).</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B9.11.0009	1-PDA1-9 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-011	54-ISI-820	UT	CS		2.330 / 33.500	40350 95001	B09.011.017, B09.011.017A
Circumferential Terminal End		B&W 131913E11	<p>Pipe to Nozzle</p> <p>Reactor Coolant Pump 1A1 Discharge Piping to Reactor Vessel Inlet Nozzle. --(B09.011.017A)The automated UT performed from the ID of the Reactor Vessel on this weld will be substituted for this surface exam.</p> <p>A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.</p> <p>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The referenced isometric listed shows the diameter as 33.50 and 28" I.D.</p>						
O1.B9.11.0011	1-PDA2-9 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-012	54-ISI-820	UT	CS		2.330 / 33.500	40350 95001	B09.011.019, B09.011.019A
Circumferential Terminal End		B&W 131914E6	<p>Pipe to Nozzle</p> <p>Reactor Coolant Pump 1A2 Discharge Piping to Reactor Vessel Inlet Nozzle. --The automated UT performed from the ID of the Reactor Vessel on this weld will be substituted for this surface exam.</p> <p>A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.</p> <p>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The referenced isometric listed shows the diameter as 33.50 and 28" I.D.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B9.11.0013	1-PDB1-9 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-013	54-ISI-820	UT	CS		2.330 / 33.500	40350 95001	B09.011.021, B09.011.021A
Circumferential Terminal End		OM-201-581	<p>Pipe to Nozzle</p> <p>Reactor Coolant Pump 1B1 Discharge Piping to Reactor Vessel Inlet Nozzle. –The automated UT performed from the ID of the Reactor Vessel on this weld will be substituted for this surface exam.</p> <p>A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.</p> <p>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The referenced isometric listed shows the diameter as 33.50 and 28" I.D.</p>						
O1.B9.11.0015	1-PDB2-9 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-014	54-ISI-820	UT	CS		2.330 / 33.500	40350 95001	B09.011.023, B09.011.023A
Circumferential Terminal End		OM-201-581	<p>Pipe to Nozzle</p> <p>Reactor Coolant Pump 1B2 Discharge Piping to Reactor Vessel Inlet Nozzle. –(B09.011.023A)The automated UT performed from the ID of the Reactor Vessel on this weld will be substituted for this surface exam.</p> <p>A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.</p> <p>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric listed. If actual thickness is needed a field measurement will be required. The referenced isometric listed shows the diameter as 33.50 and 28" I.D.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B9.11.0016	1-PHA-1 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-005	54-ISI-820	UT	CS		2.875 / 36.000	40350 95001	B09.011.024, B09.011.024A
Circumferential Terminal End		OM-201-583	<p>Nozzle to Pipe</p> <p>Reactor Vessel Outlet Nozzle to Steam Generator 1A Hot Leg. --(B09.011.024A)The automated UT performed from the ID of the Reactor Vessel on this weld will be substituted for this surface exam.</p> <p>A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.</p> <p>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The referenced isometric listed shows the diameter as 36.00 I.D.</p>						
O1.B9.11.0019	1-PHB-1 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-006	54-ISI-820	UT	CS		2.875 / 36.000	40350 95001	B09.011.027, B09.011.027A
Circumferential Terminal End		OM-201-583	<p>Nozzle to Pipe</p> <p>Reactor Vessel Outlet Nozzle to Steam Generator 1B Hot Leg. --(B09.011.027A)The automated UT performed from the ID of the Reactor Vessel on this weld will be substituted for this surface exam.</p> <p>A Vendor that is PDI qualified for remote automated UT examinations will have to be contracted to perform this inspection.</p> <p>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required. The referenced isometric listed shows the diameter as 36.00 I.D.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B9.11.0059	1-PDA1-1 Class 1 50	O-ISIN4-100A-1.1 OM-201-1844	NDE-830	UT	SS		2.330 / 33.500	50214	B09.011.067, B09.011.067A
Circumferential Terminal End Stress Weld		ISI-OCN1-011	<p>RC Pump 1A1 to Safe end</p> <p>Procedure NDE-830 and Cal Block 50214 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> <p>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric ISI-OCN1-011. If actual thickness is needed a field measurement will be required. Referenced isometric shows diameter as 33.50 but doesn't clarify if this is I.D or O.D.</p>						
O1.B9.11.0059	1-PDA1-1 Class 1 50	O-ISIN4-100A-1.1 OM-201-1844	PDI-UT-2	UT	SS		2.330 / 33.500	40397	B09.011.067, B09.011.067A
Circumferential Terminal End Stress Weld		ISI-OCN1-011	<p>RC Pump 1A1 to Safe end</p> <p>Procedure NDE-830 and Cal Block 50214 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> <p>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p> <p>Comments added per ONS1-140: Thickness/NPS validated as shown on Isometric ISI-OCN1-011. If actual thickness is needed a field measurement will be required. Referenced isometric shows diameter as 33.50 but doesn't clarify if this is I.D or O.D.</p>						
O1.B9.21.0016	1-51A-135-29 Class 1 51A	O-ISIN4-101A-1.1 1-51A-135 OM-201-3235	NDE-35	PT	SS		0.438 / 3.000		B09.021.016
Circumferential Terminal End			<p>Nozzle to Elbow</p> <p>Letdown Cooler 1B Inlet Channel Nozzle to Elbow. Weld #10B was cut out and replaced with Weld #29 on Revision 12 of Isometric 1-51A-135.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B9.21.0049	1RC-200-161 Class 1 51A	1RC-200 O-ISIN4-101A-1.4 ISI-OCN1-012	NDE-35 Pipe to Safe End Pump 1A2 Discharge Piping. Pipe to Pressure Injection Nozzle Safe End Pc. 47. This weld was listed previously as 1-51A-11-85A until iso 1-51A-11 was redrawn. Revision 2 changed weld number from 1RC-200-7. Inspect with G02.001.008B.	PT	SS		0.375 / 2.500		B09.021.049
Circumferential Stress Weld									
O1.B9.21.0061	1RC-199-154 Class 1 51A	1RC-199 O-ISIN4-101A-1.4	NDE-35 Pipe to Safe-End This weld was listed previously as 1-51A-11-94 until iso 1-51A-11 was redrawn. Revision 2 to iso changed weld number to 1-RC-199-154. Inspect this weld at the same time item number G02.001.008A is inspected.	PT	SS		0.375 / 2.500		B09.021.061
Circumferential Stress Weld									
O1.B9.31.0002	1-PHB-16 Class 1 50	O-ISIN4-100A-1.1 ISI-OCN1-006 OM-201-603	PDI-UT-1 Pipe to Nozzle 36" ID Pipe Pc. 32 to Decay Heat Nozzle Pc. 34. The NPS of the branch piping is 12 inches. 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. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams. Comments added per ONS1-140: Thickness/NPS validated as shown on isometric listed. If actual thickness is needed a field measurement will be required.	UT	CS		2.875 / NA	40350	B09.031.002, B09.031.002A
Branch Stress Weld									
O1.B9.40.0010	1-51A-135-111 Class 1 51A	O-ISIN4-101A-1.1 1-51A-135	NDE-35 Valve 1HP-2 to Pipe Weld #111 was transferred from Isometric 1-51A-0007-002 Revision 35 to Isometric 1-51A-135 Revision 12.	PT	SS		0.344 / 2.000		B09.040.010
Socket									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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-K									
O1.B10.20.0003	1-51A-0-478A-H8C								
Rigid Restraint	Class 1 51A	O-1SIN4-101A-1.1 1-55-03/sht.1	NDE-35	PT	SS		0.500 / 2.500		B10.020.007
Calculation No. OSC-1660-11, page 65 High Pressure Injection. Inspect with F01.011.004.									

Category B-N-1

O1.B13.10.0001	1-RPV-INT-SURFACE								
	Class 1 50	OM-201-3153 ISI-OCN1-001	54-ISI-364	VT-3	SS		NA / NA		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.

Areas of examination for Category B-N-1 (Item Number B13.10) during normal refueling outages (in the first and second period) with the core barrel in place are as follows: Examine all of the reactor vessel flange surfaces, examine the reactor vessel interior surfaces from the flange down to the core support shield (with the Plenum removed, it is approximately ten inches from the flange surface down to the core support shield), and examine the hot leg nozzle (outlet nozzle) interior surfaces out to the hot leg nozzle to pipe weld (from the reactor vessel interior wall out to the hot leg nozzle to pipe weld is approximately 41 inches).

These are the only areas on the interior of the reactor vessel that are accessible during normal refueling outages. If for some reason the core barrel is removed during a normal refueling outage (outages other than when the 10 year reactor vessel automated inspections are performed in the third period), no other interior surfaces are required to be examined other than those surfaces that are accessible with the core barrel in place.

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.

A detailed list of items that are to be examined for this summary number are referenced in the Oconee Nuclear Station, Inservice Inspection Basis Document, Interval 4 (Rev.7), Section 13.0 (Appendix B). This document is located in NEDL, and can be found by searching for Doc Index Number OISI-0169.10-0040, Doc Type = Working DOC, and ERN # NG000BY2.

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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-N-2									
O1.B13.50.0001	1RPV-INT-LUGS Class 1 50	OM-201-1008 ISI-OCN1-001	54-ISI-364	VT-1	SS		NA / NA		B13.050.001
<p>Reactor Vessel Core Guide Lugs (12 Lugs). Interior attachments within the beltline region. Reference Framatome Procedure 54-ISI-364.</p> <p>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.</p> <p>A detailed list of items that are to be examined for this summary number are referenced in the Oconee Nuclear Station, Inservice Inspection Basis Document, Interval 4 (Rev.7), Section 13.0 (Appendix B). This document is located in NEDL, and can be found by searching for Doc Index Number OISI-0169.10-0040, Doc Type = Working DOC, and ERN # NG000BY2.</p>									
O1.B13.60.0001	INCORE INSTR NOZ WELDS Class 1 50	OM-201-3153 ISI-OCN1-001	54-ISI-364	VT-3	CS-Inconel		NA / NA		---
<p>Reactor Vessel Instrument Nozzle to Lower Head Welds (52 Instrument Nozzle to Vessel Welds). Interior attachments beyond the beltline region. 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.</p> <p>A detailed list of items that are to be examined for this summary number are referenced in the Oconee Nuclear Station, Inservice Inspection Basis Document, Interval 4 (Rev.7), Section 13.0 (Appendix B). This document is located in NEDL, and can be found by searching for Doc Index Number OISI-0169.10-0040, Doc Type = Working DOC, and ERN # NG000BY2.</p>									
O1.B13.60.0002	FLOW STABILIZERS Class 1 50	OM-201-3153 ISI-OCN1-001	54-ISI-364	VT-3			NA / NA		---
<p>Reactor Vessel Flow Stabilizers (12 Flow Stabilizers). Interior attachments beyond the beltline region.</p> <p>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.</p> <p>A detailed list of items that are to be examined for this summary number are referenced in the Oconee Nuclear Station, Inservice Inspection Basis Document, Interval 4 (Rev.7), Section 13.0 (Appendix B). This document is located in NEDL, and can be found by searching for Doc Index Number OISI-0169.10-0040, Doc Type = Working DOC, and ERN # NG000BY2.</p>									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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-N-3									
01.B13.70.0001	1-RPV-INTERNALS Class 1 50	OM-2201-0939 ISI-OCN1-001	54-ISI-364	VT-3	NA		NA / NA		B13.070.001
<p>Reactor Vessel Core Support Structure. The structure shall be removed from the reactor vessel for examination. Reference Framatome Procedure 54-ISI-364.</p> <p>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.</p> <p>A detailed list of items that are to be examined for this summary number are referenced in the Oconee Nuclear Station, Inservice Inspection Basis Document, Interval 4 (Rev.7), Section 13.0 (Appendix B). This document is located in NEDL, and can be found by searching for Doc Index Number OISI-0169.10-0040, Doc Type = Working DOC, and ERN # NG000BY2.</p>									
Category B-O									
01.B14.10.0017	1-RPV-CRD-67WH9 Class 1 50	O-ISIN4-100A-1.1 OM-201.R-0001 OM-201-3161	NDE-35	PT	SS-Inconel		0.000 / NA		---
Dissimilar			<p>Housing Body to Adapter</p> <p>CRDM #67 Housing Body to Adapter. CRDM must be removed to perform a surface exam.</p> <p>Could not find a drawing to validate thickness. If actual thickness is needed a field measurement will be required.</p>						
01.B14.10.0018	1-RPV-CRD-67W60 Class 1 50	O-ISIN4-100A-1.1 OM-201-3160 OM-201-3161	NDE-35	PT	SS-CS		0.000 / NA		---
			<p>Base to Motor Tube</p> <p>CRDM #67 Base to Motor Tube. CRDM must be removed to perform a surface exam.</p> <p>Could not find a drawing to validate thickness. If actual thickness is needed a field measurement will be required.</p>						
01.B14.10.0019	1-RPV-CRD-67 Class 1 50	O-ISIN4-100A-1.1 OM-201-3160 OM-201-3161	NDE-35	PT	SS-CS		0.000 / NA		---
			<p>Motor Tube to Extension</p> <p>CRDM #67 Motor Tube to Extension. CRDM must be removed to perform a surface exam.</p> <p>Could not find a drawing to validate thickness. If actual thickness is needed a field measurement will be required.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.B14.10.0020	1-RPV-CRD-67W61 Class 1 50	O-ISIN4-100A-1.1 OM-201-3160 OM-201-3161	NDE-35	PT	SS		0.000 / NA		
Extension to Cap CRDM #67 Extension to Cap. CRDM must be removed to perform a surface exam. Could not find a drawing to validate thickness. If actual thickness is needed a field measurement will be required.									
Category C-A									
O1.C1.10.0004	1-LPCB-SH-1 Class 2 53B	OM 201-286 O-ISIN4-102A-1.2	NDE-68	VT-2	SS		0.625 / 0.000		C01.010.001
Circumferential			Flange to Shell Decay Heat Cooler 1B Stainless Steel Flange to Shell. Rescheduled to outage 5 due to PIP O-06-4249. Reference Code Case N-624. For the fourth interval, Code Case N-706 was used for the examination of this weld. A VT-2 exam will be performed in lieu of the Volumetric exam. The decay heat cooler is inside of the Class 2 pressure test boundary and will have a VT-2 exam performed once a period. There were 2 stipulations that had to be met before Code Case N-706 could be used and they are listed as the following: 1. The owner had to evaluate industry experience to determine and assure that that no thru wall leakage had occurred with the type of heat exchanger that they have in operation and wanting to use Code Case N-706 for. This evaluation requirement was met and documented on a letter dated July 17, 2008 from Jesse Link (Oconee Assistant Engineer) to Mark Ferlisi (SXIP Engineer). This letter is filed with document control under file number OS-317 and record retention number 000252. 2. All welds that Code Case N-706 is to be applied to would have to have at least one volumetric examination performed on it. The exam could be either a construction code volumetric, a preservice or inservice exam. This requirement was met on two of the welds because Inservice Inspection had been performed in previous interval. There was also conformation for all 4 of the C1.10 welds from the Manufacturer (e-mail from vendor) that volumetric exams (reader sheets for RT were found but not the film) were performed on all tubeside butt welds. The manufacturer drawing also confirmed that RT was required for these C1.10 welds (tubeside butt welds). If leakage is detected on either of the Decay Heat Removal Coolers (1A or 1B) during Pressure Testing and VT-2 examinations, the ISI NDE Plan manager for Oconee shall be notified of the leakage so that an evaluation can be performed to determine the continued use of Code Case N-706 for summary numbers O1.C1.10.0004. Note: In outage 6 (EOC-27), the ISI Plan manager needs to get the results of the pressure test for all 3 periods in the fourth interval and put the results in the Inservice Inspection Report for Summary Number O1.C1.10.0004.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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-A									
O1.C1.10.0005	1-LPCB-SH-2 Class 2 53B	OM-201-286 O-ISIN4-102A-1.2	NDE-68	VT-2	SS		0.625 / 0.000		C01.010.002
Circumferential			<p>Shell to Flange</p> <p>Decay Heat Cooler 1B Stainless Steel Shell to Tubesheet Flange. Rescheduled to outage 5 due to PIP O-06-4249. Reference Code Case N-624.</p> <p>For the fourth interval, Code Case N-706 was used for the examination of this weld. A VT-2 exam will be performed in lieu of the Volumetric exam. The decay heat cooler is inside of the Class 2 pressure test boundary and will have a VT-2 exam performed once a period.</p> <p>There were 2 stipulations that had to be met before Code Case N-706 could be used and they are listed as the following:</p> <p>1. The owner had to evaluate industry experience to determine and assure that that no thru wall leakage had occurred with the type of heat exchanger that they have in operation and wanting to use Code Case N-706 for. This evaluation requirement was met and documented on a letter dated July 17, 2008 from Jesse Link (Oconee Assistant Engineer) to Mark Ferlisi (SXIP Engineer). This letter is filed with document control under file number OS-317 and record retention number 000252.</p> <p>2. All welds that Code Case N-706 is to be applied to would have to have at least one volumetric examination performed on it. The exam could be either a construction code volumetric, a preservice or inservice exam. This requirement was met on two of the welds because Inservice Inspection had been performed in previous interval. There was also conformation for all 4 of the C1.10 welds from the Manufacturer (e-mail from vendor) that volumetric exams (reader sheets for RT were found but not the film) were performed on all tubeside butt welds. The manufacturer drawing also confirmed that RT was required for these C1.10 welds (tubeside butt welds).</p> <p>If leakage is detected on either of the Decay Heat Removal Coolers (1A or 1B) during Pressure Testing and VT-2 examinations, the ISI NDE Plan manager for Oconee shall be notified of the leakage so that an evaluation can be performed to determine the continued use of Code Case N-706 for summary numbers O1.C1.10.0005.</p> <p>Note: In outage 6 (EOC-27), the ISI Plan manager needs to get the results of the pressure test for all 3 periods in the fourth interval and put the results in the Inservice Inspection Report for Summary Number O1.C1.10.0005.</p>						
Category C-C									
O1.C3.20.0006	1-03-0-481A-H15B Class 2 03	O-ISIN4-121B-1.3 1-03-05/sht.1	NDE-25	MT	CS		1.500 / 24.000		C03.020.012
Spring Hgr			Calculation No. OSC-1297-06. Inspect with F01.022.011.						
O1.C3.20.0224	1-55-5-PEN # 3 Class 2 55	O-ISIN4-144A-1.3 O-62A O-62C	NDE-25	MT	CS		0.750 / 6.000		C03.020.112
Rigid Restraint			<p>Calculation No. OSC-1660-13, Problem No. 1-55-05 sheet 1. Drawing O-ISIN4-144A-1.2. Type I Penetration located on Reactor Bld side of Penetration # 3. Perform a surface exam on the Penetration Pipe Cap and reinforcement plate attachment weld to the 6 inch, System 55, piping which goes through Penetration #3. See Detail 5 on drawing O-62C.</p> <p>Comment added per ONS1-140: Thickness for Reinforcing Plate is 0.750 shown on Drawing O-62C. Thickness for Pipe Cap is 0.375 shown on Drawing O-62A.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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-D									
O1.C4.40.0001	1-MS-105-STUD Class 2 01A	O-ISOIN4-122B-1.1 OM-200-195 OM-200-30	PDI-UT-4	UT	CS		2.312 / NA	40417	C04.040.001
Main Steam Stop Valve 1MS-105.									
Category C-F-1									
O1.C5.11.0030	1LP-128-73 Class 2 53B	1LP-128 O-ISOIN4-102A-1.2	PDI-UT-2	UT	SS		1.125 / 10.000	PDI-UT-2-O 40399 PDI-UT-2A-O	C05.011.008, C05.011.008A
Circumferential									
Pipe to Elbow Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.									
O1.C5.11.0031	1LP-128-74 Class 2 53B	1LP-128 O-ISOIN4-102A-1.2	PDI-UT-2	UT	SS		1.125 / 10.000	PDI-UT-2A-O 40399 PDI-UT-2-O	C05.011.009, C05.011.009A
Circumferential									
Elbow to Pipe Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.									
O1.C5.11.0032	1LP-128-75 Class 2 53B	1LP-128 O-ISOIN4-102A-1.2	PDI-UT-2	UT	SS		1.125 / 10.000	PDI-UT-2A-O 40399 PDI-UT-2-O	C05.011.010, C05.011.010A
Circumferential									
Pipe to Elbow Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.C5.11.0033	1LP-128-76 Class 2 53B	1LP-128 O-ISIN4-102A-1.2	PDI-UT-2	UT	SS		1.125 / 10.000	PDI-UT-2A-O 40399 PDI-UT-2-O	C05.011.011, C05.011.011A
	Circumferential		Elbow to Pipe Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.11.0034	1LP-128-77 Class 2 53B	1LP-128 O-ISIN4-102A-1.2	PDI-UT-2	UT	SS		1.125 / 10.000	PDI-UT-2A-O 40399 PDI-UT-2-O	C05.011.012, C05.011.012A
	Circumferential		Pipe to Elbow Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.11.0035	1LP-128-78 Class 2 53B	1LP-128 O-ISIN4-102A-1.2	PDI-UT-2	UT	SS		1.125 / 10.000	PDI-UT-2A-O 40399 PDI-UT-2-O	C05.011.013, C05.011.013A
	Circumferential		Elbow to Pipe Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.11.0036	1LP-128-79 Class 2 53B	1LP-128 O-ISIN4-102A-1.2	PDI-UT-2	UT	SS		1.125 / 10.000	PDI-UT-2A-O 40399 PDI-UT-2-O	C05.011.014, C05.011.014A
	Circumferential		Pipe to Reducer Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.C5.11.0037	1LP-124-22 Class 2 53A	1LP-124 O-ISIN4-102A-1.2	PDI-UT-2	UT	SS		1.125 / 10.000	PDI-UT-2A-O 40399 PDI-UT-2-O	C05.011.015, C05.011.015A
	Circumferential		Pipe to Elbow Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.11.0038	1LP-124-23 Class 2 53A	1LP-124 O-ISIN4-102A-1.2	PDI-UT-2	UT	SS		1.125 / 10.000	PDI-UT-2A-O 40399 PDI-UT-2-O	C05.011.016, C05.011.016A
	Circumferential		Elbow to Pipe Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.11.0039	1LP-124-24 Class 2 53A	1LP-124 O-ISIN4-102A-1.2	PDI-UT-2	UT	SS		1.125 / 10.000	PDI-UT-2A-O 40399 PDI-UT-2-O	C05.011.017, C05.011.017A
	Circumferential		Pipe to Elbow Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.11.0040	1LP-124-25 Class 2 53A	1LP-124 O-ISIN4-102A-1.2	PDI-UT-2	UT	SS		1.125 / 10.000	PDI-UT-2A-O 40399 PDI-UT-2-O	C05.011.018, C05.011.018A
	Circumferential		Elbow to Elbow Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.C5.11.0041	1LP-124-26 Class 2 53A	1LP-124 O-ISIN4-102A-1.2	PDI-UT-2	UT	SS		1.125 / 10.000	PDI-UT-2A-O 40399 PDI-UT-2-O	C05.011.019, C05.011.019A
	Circumferential		Elbow to Pipe Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.11.0042	1LP-124-44 Class 2 53A	1LP-124 O-ISIN4-102A-1.2	PDI-UT-2	UT	SS		1.125 / 10.000	PDI-UT-2A-O 40399 PDI-UT-2-O	C05.011.020, C05.011.020A
	Circumferential		Reducer to Pipe Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.11.0104	1LPS-750-7 Class 2 14B	1LPS-750 O-ISIN4-124B-1.2	PDI-UT-2	UT	SS		0.280 / 6.000	PDI-UT-2-O PDI-UT-2A-O	C05.011.082, C05.011.082A
	Circumferential		Elbow to Valve 1LPSW-1059 Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.21.0014	1-51A-01-114AC Class 2 51A	1-51A-01(4) O-ISIN4-101A-1.2	PDI-UT-2	UT	SS		0.375 / 2.500	PDI-UT-2A-O 40378 PDI-UT-2-O	C05.021.029, C05.021.029A
	Circumferential		Pipe to Valve 1HP-63 Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.C5.21.0018	1HP-187-114 Class 2 51A	1HP-187 O-ISIN4-101A-1.4	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2A-O	C05.021.034, C05.021.034A
Circumferential			Elbow to Valve 1HP-138 Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.21.0020	1HP-192-1 Class 2 51A	1HP-192 O-ISIN4-101A-1.4	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2A-O	C05.021.037, C05.021.037A
Circumferential			Elbow to Tee Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.21.0029	1-51A-02-49BA Class 2 51A	1-51A-02 O-ISIN4-101A-1.3	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2A-O	C05.021.050, C05.021.050A
Circumferential			Valve 1HP-132 to Pipe Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.21.0035	1-51A-02-23BB Class 2 51A	1-51A-02 O-ISIN4-101A-1.4	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2A-O	C05.021.056, C05.021.056A
Circumferential			Flange to Pipe Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.C5.21.0038	1-51A-03-79B Class 2 51A	1-51A-03(1) O-ISIN4-101A-1.4	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2A-O	C05.021.060, C05.021.060A
Circumferential			Elbow to Pipe Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.21.0042	1-51A-03-122B Class 2 51A	1-51A-03(2) O-ISIN4-101A-1.4	PDI-UT-2	UT	SS		0.552 / 2.500	PDI-UT-2A-O PDI-UT-2-O 8279-0419	C05.021.067, C05.021.067A
Circumferential			Pipe to Elbow Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.21.0044	1-51A-137-11 Class 2 51A	1-51A-137 O-ISIN4-101A-1.1	PDI-UT-2	UT	SS		0.375 / 2.500	PDI-UT-2A-O 40378 PDI-UT-2-O	C05.021.072, C05.021.072A
Circumferential			Pipe to Elbow Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.21.0045	1HP-187-116 Class 2 51A	1HP-187 O-ISIN4-101A-1.4	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2A-O	C05.021.073, C05.021.073A
Circumferential			Tee to Elbow Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.C5.21.0049	1HP-282-88A Class 2 51A	1HP-282 O-ISIN4-101A-1.3	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2A-O	C05.021.081, C05.021.081A
Circumferential			Pipe to Tee Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.21.0059	1-51A-127-16 Class 2 51A	1-51A-127 O-ISIN4-101A-1.3	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2A-O	C05.021.100, C05.021.100A
Circumferential			Elbow to Pipe Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.21.0060	1HP-195-111 Class 2 51A	1HP-195 O-ISIN4-101A-1.1	PDI-UT-2	UT	SS		0.375 / 2.500	PDI-UT-2A-O 40378 PDI-UT-2-O	C05.021.101, C05.021.101A
Circumferential			Pipe to Tee Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.21.0064	1HP-179-119 Class 2 51A	1HP-179 O-ISIN4-101A-1.1	PDI-UT-2	UT	SS		0.436 / 2.000	PDI-UT-2A-O PDI-UT-2-O 8279-0411	C05.021.106, C05.021.106A
Circumferential			Reducer to Pipe Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.C5.21.0068	1HP-179-102E Class 2 51A	1HP-179 O-ISIN4-101A-1.1	PDI-UT-2	UT	SS		0.552 / 2.500	PDI-UT-2A-O 8279-0419 PDI-UT-2-O	C05.021.113, C05.021.113A
	Circumferential		Pipe to Elbow Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.21.0071	1HP-367-29 Class 2 51B	1HP-367 O-ISIN4-101A-1.1	PDI-UT-2	UT	SS		0.237 / 4.000	PDI-UT-2A-O 50256 PDI-UT-2-O	C05.021.117, C05.021.117A
	Circumferential		Tee to Pipe Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.21.0072	1HP-367-34 Class 2 51B	1HP-367 O-ISIN4-101A-1.1	PDI-UT-2	UT	SS		0.237 / 4.000	PDI-UT-2A-O 50256 PDI-UT-2-O	C05.021.118, C05.021.118A
	Circumferential		Tee to Pipe Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.21.0073	1HP-367-35 Class 2 51B	1HP-367 O-ISIN4-101A-1.1	PDI-UT-2	UT	SS		0.237 / 4.000	PDI-UT-2A-O 50256 PDI-UT-2-O	C05.021.119, C05.021.119A
	Circumferential		Pipe to Tee Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.C5.51.0003	1MS-074-14B Class 2 01A	1MS-074	NDE-600	UT	CS		0.875 / 26.000	Component	C05.051.003, C05.051.003A
Circumferential		O-ISIN4-122A-1.1	<p>Elbow to Pipe</p> <p>This weld was previously listed as 1-01A-02-14B 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.</p> <p>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p>						
O1.C5.51.0011	1MS-066-2 Class 2 01A	1MS-066 O-ISIN4-122B-1.1	PDI-UT-1	UT	CS		0.969 / 24.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.011, C05.051.011A
Circumferential			<p>Valve 1MS-102 to Pipe</p> <p>This weld was previously listed as 1-01A-01-20 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.</p> <p>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p>						
O1.C5.51.0019	1MS-001-19 Class 2 01A	1MS-001 O-ISIN4-122A-1.1	PDI-UT-1	UT	CS		1.164 / 34.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.019, C05.051.019A
Circumferential			<p>Elbow to Pipe</p> <p>This weld was previously listed as 1-01A-01-19 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.</p> <p>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.C5.51.0020	1-03-3-28B Class 2 03	1-03-3(1)	NDE-600	UT	CS		1.031 / 20.000	Component	C05.051.020, C05.051.020A
Circumferential		O-ISIN4-121B-1.3	<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>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p>						
O1.C5.51.0022	1FDW-249-44B Class 2 03	1FDW-249 O-ISIN4-121B-1.3	PDI-UT-1	UT	CS		0.750 / 14.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.022, C05.051.022A
Circumferential			<p>Elbow to Reducer</p> <p>This weld listed previously as 1-03-3-44B on iso 1-03-3(1) until it was transferred to iso 1FDW-249. 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>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p>						
O1.C5.51.0032	1CC-136-82B Class 2 55	1CC-136 O-ISIN4-144A-1.2	PDI-UT-1	UT	CS		0.500 / 8.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.032, C05.051.032A
Circumferential			<p>Pipe to Elbow</p> <p>This weld was listed previously as 1-55-3-82B until iso 1-55-3 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.</p> <p>Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.C5.51.0039	1-LPSW-344-19 Class 2 14B	1-LPSW-344 O-ISIN4-124B-1.2	PDI-UT-1	UT	CS		0.500 / 8.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.039, C05.051.039A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.51.0058	1SGA-W261 Class 2 03A	OM 201.S-0155.001 O-ISIN4-121B-1.3	PDI-UT-1	UT	CS		0.432 / 8.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.058, C05.051.058A
Circumferential		ERN # OX009FG7	Pipe to Tee Auxiliary Feedwater Header Ring on Steam Generator 1A (Vendor Weld). 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. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						
O1.C5.51.0059	1SGA-W276 Class 2 03A	OM 201.S-0155.001 O-ISIN4-121B-1.3	PDI-UT-1	UT	CS		0.432 / 8.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.059, C05.051.059A
Circumferential		ERN # OX009FG7	Pipe Cap to Pipe Aux Feedwater Header Ring on Steam Generator 1A (Vendor Weld). 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. Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.C5.51.0150	1MS-065-9 Class 2 01A	1MS-065 O-ISIN4-122A-1.1	PDI-UT-1	UT			0.562 / 12.000	PDI-UT-1A-O PDI-UT-1-O	C05.051.
Circumferential			Elbow to Pipe This weld was previously listed as 1-01A-01-84 before the Iso was redrawn.						
O1.C5.51.0150	1MS-065-9 Class 2 01A	1MS-065 O-ISIN4-122A-1.1	NDE-25	MT			0.562 / 12.000		C05.051.
Circumferential			Elbow to Pipe This weld was previously listed as 1-01A-01-84 before the Iso was redrawn.						
O1.C5.51.0209	1LPSW-345-34 Class 2 14B	1-LPSW-345 O-ISIN4-124B-1.2	NDE-25	MT	CS		0.500 / 8.000		C05.051.
Circumferential			Pipe to Reducing Tee This weld was listed previously as 1-LPSW-345-34 until iso 1-LPSW-345 was redrawn. This weld was listed previously as 1-LPS-345-34 until iso 1-LPS-345 was deleted.						
O1.C5.51.0209	1LPSW-345-34 Class 2 14B	1-LPSW-345 O-ISIN4-124B-1.2	PDI-UT-1	UT	CS		0.500 / 8.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.
Circumferential			Pipe to Reducing Tee This weld was listed previously as 1-LPSW-345-34 until iso 1-LPSW-345 was redrawn. This weld was listed previously as 1-LPS-345-34 until iso 1-LPS-345 was deleted.						
Category D-A									
O1.D1.20.0005	1-03A-1-0-400A-H146 Class 3 03A	1-03A-12/sht.1 O-ISIN4-121D-1.1	NDE-65	VT-1	NA		0.750 / 6.000		D01.020.021
Rigid Restraint									

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This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category D-A									
O1.D1.20.0006	1-03A-1-0-400A-R38								
Rigid Restraint	Class 3 03A	1-03A-10/sht.1 O-ISIN4-121D-1.1	NDE-65	VT-1	NA		1.500 / 6.000		D01.020.022
Calculation No. OSC-343, page 49.									
O1.D1.20.0020	1-08-0-400H-JH-1801								
Rigid Support	Class 3 08	1-08-01/sht.1 O-ISIN4-122A-1.4	NDE-65	VT-1	NA		0.250 / 10.000		D01.020.046
Calculation No. OSC-1902. Inspect with F01.032.072.									
O1.D1.20.0025	1-14B-439B-RMC-0501								
Rigid Support	Class 3 14B	1-14-04/sht.1 O-ISIN4-124B-1.2	NDE-65	VT-1	NA		0.237 / 8.000		D01.020.064
Calculation No. OSC-376 page 78. Inspect with F01.030.098.									
O1.D1.20.0030	0-SSW-448K-H7361								
Rigid Restraint	Class 3 SS W	4-SSW-01/sht.1 O-ISIN4-129A-1.1 O-4RWF-4SSW01-01	NDE-65	VT-1	NA		0.250 / 6.000		D01.020.101
Calculation No. OSC-6068. Inspect with F01.031.122.									
Category ELC									
O1.H3.1.0012	1-03-3-32B								
Circumferential	Class 3 03	1-03-3(1) O-ISIN4-121B-1.3	NDE-600	UT	CS		1.219 / 24.000	Component	H03.001.012
<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.</p> <p>Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.H3.1.0012	1-03-3-32B Class 3 03	1-03-3(1) O-ISIN4-121B-1.3	NDE-946	UT	CS		1.219 / 24.000	Step Wedge	H03.001.012
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.</p> <p>Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>						
O1.H3.1.0013	1-03-3-32G Class 3 03	1-03-3(1) O-ISIN4-121B-1.3	NDE-600	UT	CS		1.219 / 24.000	Component	H03.001.013
Circumferential			<p>Pipe to Elbow</p> <p>Weld 1-03-3-32B is a Elbow to Pipe weld located on iso 1-03-3(1). Weld 1-03-3-32G is a Grinnell Subassembly (pipe to elbow) weld located on the opposite end of the elbow from weld 1-03-3-32B.</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>Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>						
O1.H3.1.0013	1-03-3-32G Class 3 03	1-03-3(1) O-ISIN4-121B-1.3	NDE-946	UT	CS		1.219 / 24.000	Step Wedge	H03.001.013
Circumferential			<p>Pipe to Elbow</p> <p>Weld 1-03-3-32B is a Elbow to Pipe weld located on iso 1-03-3(1). Weld 1-03-3-32G is a Grinnell Subassembly (pipe to elbow) weld located on the opposite end of the elbow from weld 1-03-3-32B.</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>Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>						
O1.H3.1.0014	1-03-4-23B Class 3 03	1-03-4(2) O-ISIN4-121B-1.3	PDI-UT-1	UT	CS		1.219 / 24.000	PDI-UT-1A-O PDI-UT-1-O	H03.001.014
Circumferential			<p>Pipe 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.</p> <p>Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.</p>						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.H3.1.0014	1-03-4-23B Class 3 03	1-03-4(2) O-ISIN4-121B-1.3	NDE-946	UT	CS		1.219 / 24.000	Step Wedge	H03.001.014
Circumferential			Pipe to Elbow Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld. Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.						
O1.H3.1.0015	1-03-4-23G Class 3 03	1-03-4(2) O-ISIN4-121B-1.3	PDI-UT-1	UT	CS		1.219 / 24.000	PDI-UT-1A-O PDI-UT-1-O	H03.001.015
Circumferential			Pipe to Elbow Weld 1-03-4-23B is a Elbow to Pipe weld located on iso 1-03-4(2). Weld 1-03-4-32G is a Grinnell Subassembly (pipe to elbow) weld located on the opposite end of the elbow from weld 1-03-4-23B. Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld. Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.						
O1.H3.1.0015	1-03-4-23G Class 3 03	1-03-4(2) O-ISIN4-121B-1.3	NDE-946	UT	CS		1.219 / 24.000	Step Wedge	H03.001.015
Circumferential			Pipe to Elbow Weld 1-03-4-23B is a Elbow to Pipe weld located on iso 1-03-4(2). Weld 1-03-4-32G is a Grinnell Subassembly (pipe to elbow) weld located on the opposite end of the elbow from weld 1-03-4-23B. Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-946 should be used for thickness measurements on this weld. Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.						
O1.H4.1.0011	1-03-0-551-H48 Class 3 03	O-ISIN4-121B-1.3 1-03-01/sht.1	NDE-25	MT	CS		0.322 / 24.000		H04.001.011, H04.001.011A
Spring Hgr			Calculation No. OSC-336, page 45a.1. Inspect with item number F01.032.016. --(H04.001.011A)Perform a Surface exam on the attachment welds.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.H4.1.0011	1-03-O-551-H48 Class 3 03	O-ISIN4-121B-1.3	NDE-66	VT-3	CS		0.322 / 24.000		H04.001.011, H04.001.011A
Spring Hgr		1-03-01/sht.1	Calculation No. OSC-336, page 45a.1. Inspect with item number F01.032.016. -(H04.001.011A)Perform a Surface exam on the attachment welds.						
O1.H4.1.0013	1-03-O-439A-H61 Class 3 03	1-03-01/sht.1	NDE-66	VT-3	CS		0.000 / 24.000		H04.001.013, H04.001.013A
Spring Hgr		O-ISIN4-121B-1.3	Calculation No. OSC-336, page 45a.1 -(H04.001.013A)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. This exam was moved to outage 6 to give Tim Brown time to initiate a QA-513J form to remove this exam from the augmented plan. TJ Coleman states that the support is inside a duct shaft and is not accessible for examination. Comments added per ONS1-140: Unable to validate thickness of attachment (is not shown on sketch). If actual thickness is needed a field measurement will be required.						
O1.H4.1.0020	1-FPA-25 Class 3 03	O-60M O-ISIN4-121B-1.3 O-0494	NDE-66	VT-3	CS		1.000 / 0.000		H04.001.020, H04.001.020A
			Rupture Restraint -(H04.001.020A)Perform a Surface exam on the attachment welds. Note: Magnetic Particle examinations (with the use of procedure NDE-25) may be performed on carbon steel material in lieu of or in conjunction with liquid penetrant examinations. VT-3 could not be performed in 1EOC26 rescheduled for 1EOC27. Perform a General Condition examination of the restraint per NDE-66. Examine weld at Item K on Drawing O-0494.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.H4.1.0021	1-FPA-27 Class 3 03	O-60M O-ISIN4-121B-1.3 O-0494	NDE-66	VT-3	CS		1.000 / 0.000		H04.001.021, H04.001.021A
Rupture Restraint -(H04.001.021A)Perform a Surface exam on the attachment welds. Note: Magnetic Particle examinations (with the use of procedure NDE-25) may be performed on carbon steel material in lieu of or in conjunction with liquid penetrant examinations. VT-3 could not be performed in 1EOC26 rescheduled for 1EOC27. Perform a General Condition examination of the restraint per NDE-66. Examine weld at Item K on Drawing O-0494.									
O1.H4.1.0033	1-01A-0-550-H17 Class 2 01A	1-01-01/sht.1 O-ISIN4-122A-1.1	NDE-66	VT-3	NA		0.000 / 34.000		H04.001.033
Rigid Support									
Calculation No. OSC-320, page 131.1									
O1.H4.1.0034	1-01A-0-550-H18 Class 2 01A	1-01-01/sht.2 O-ISIN4-122A-1.1	NDE-66	VT-3	NA		0.000 / 34.000		H04.001.034
Spring Hgr									
Calculation No. OSC-320, page 132									
O1.H4.1.0035	1-01A-0-550-R10 Class 2 01A	O-ISIN4-122A-1.1 1-01-01/sht.2	NDE-25	MT	CS		0.000 / 36.500		H04.001.035, H04.001.035A
Rigid Support									
Calculation No. OSC-320, page 132 -(H04.001.035A)Perform a Surface exam on the attachment welds. Comments added per ONS1-140: Unable to validate thickness of attachment (is not shown on sketch). If actual thickness is needed a field measurement will be required. Support sketch shows Pipe Diameter as 36.5 OD.									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.H4.1.0035	1-01A-0-550-R10								
	Class 2 01A	O-1SIN4-122A-1.1	NDE-66	VT-3	CS		0.000 / 36.500		H04.001.035, H04.001.035A
Rigid Support		1-01-01/sht.2							
			Calculation No. OSC-320, page 132 – (H04.001.035A)Perform a Surface exam on the attachment welds.						
			Comments added per ONS1-140: Unable to validate thickness of attachment (is not shown on sketch). If actual thickness is needed a field measurement will be required. Support sketch shows Pipe Diameter as 36.5 OD.						
O1.H4.1.0036	1-01A-0-550-H19								
	Class 2 01A	1-01-01/sht.2	NDE-66	VT-3	NA		0.000 / 34.000		H04.001.036
Spring Hgr		O-1SIN4-122A-1.1							
			Calculation No. OSC-320, page 132						
O1.H4.1.0039	1-01A-0-550-R12								
	Class 2 01A	1-01-01/sht.2	NDE-66	VT-3	NA		0.000 / 34.000		H04.001.039
Hyd Snubber		O-1SIN4-122A-1.1							
			Calculation No. OSC-320, page 132						
O1.H4.1.0042	1-01A-0-550-R13								
	Class 2 01A	O-1SIN4-122A-1.1	NDE-25	MT	CS		0.750 / 36.500		H04.001.042, H04.001.042A
Rigid Support		1-01-01/sht.2							
			Calculation No. OSC-320, page 132 – (H04.001.042A)Perform a Surface exam on the attachment welds.						
			Comments added per ONS1-140: Sketch shows Pipe Diameter as 36.5 OD.						
O1.H4.1.0042	1-01A-0-550-R13								
	Class 2 01A	O-1SIN4-122A-1.1	NDE-66	VT-3	CS		0.750 / 36.500		H04.001.042, H04.001.042A
Rigid Support		1-01-01/sht.2							
			Calculation No. OSC-320, page 132 – (H04.001.042A)Perform a Surface exam on the attachment welds.						
			Comments added per ONS1-140: Sketch shows Pipe Diameter as 36.5 OD.						

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.H4.1.0043	1-01A-0-550-H24								
Spring Hgr	Class 2 01A 1-01-01/sht.3		NDE-66	VT-3	NA		0.000 / 34.000		H04.001.043
	O-ISIN4-122A-1.1								
Calculation No. OSC-320, page 133									
Category F-A									
O1.F1.11.0004	1-51A-0-478A-H8C								
Rigid Restraint	Class 1 51A 1-55-03/sht.1		NDE-66	VT-3	NA		0.500 / 2.500		F01.011.004
	O-ISIN4-101A-1.1								
Calculation No. OSC-1660-11, page 65 High Pressure Injection. Inspect with B10.020.007.									
O1.F1.12.0005	1-51A-0-478A-H6238								
Spring Hgr	Class 1 51A 1-55-03/sht.1		NDE-66	VT-3	NA		0.000 / 2.500		F01.012.005
	O-ISIN4-101A-1.1								
Calculation No. OSC-1660-11, page 65 High Pressure Injection.									
O1.F1.20.0019	1-51-0-436D-SR6								
Rigid Support	Class 2 51 1-51-06/sht.2		NDE-66	VT-3	NA		0.750 / 4.000		F01.020.048
	O-ISIN4-101A-1.1								
	O-1AB-15106-02								
Calculation No. OSC-1538, page 94.									
O1.F1.20.0025	1-51A-1-0-439A-H29								
Rigid Support	Class 2 51A 1-51-04/sht.1		NDE-66	VT-3	NA		0.000 / 4.000		F01.020.064
	O-ISIN4-101A-1.4								
	O-1AB-15104-01								
Calculation No. OSC-1639, page 30.5. High Pressure Injection.									
O1.F1.20.0027	1-51A-6-0-435B-SR59								
Rigid Support	Class 2 51A 1-51-02/sht.2		NDE-66	VT-3	NA		0.000 / 6.000		F01.020.066
	O-ISIN4-101A-1.3								
	O-1AB-15102-02								
Calculation No. OSC-1535, page 136. High Pressure Injection.									

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Oconee 1, 4th Interval, outage 6 (EOC-27)

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.F1.20.0046	1-53B-4-0-435B-H30								
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 / 14.000		F01.020.102
Calculation No. OSC-407									
O1.F1.20.0049	1-54A-435B-DE10								
Rigid Support	Class 2 54A	1-54-01/sht.1 O-ISIN4-103A-1.1	NDE-66	VT-3	NA		0.125 / 8.000		F01.020.112
Calculation No. OSC-415, page 50.									
O1.F1.20.0054	1-55-1-0-439C-H32								
Rigid Support	Class 2 55	4-55-01/sht.1 O-ISIN4-144A-1.2	NDE-66	VT-3	NA		0.000 / 8.000		F01.020.121
Calculation No. OSC-1549, page 101.									
O1.F1.21.0019	1-51A-1-0-435C-SR61								
Rigid Restraint	Class 2 51A	1-51-13/sht.1 O-ISIN4-101A-1.3 O-1AB-15113-01	NDE-66	VT-3	NA		0.000 / 4.000		F01.021.064
Calculation No. OSC-1410, page 103. High Pressure Injection Cross Connection & Header.									
O1.F1.21.0022	1-51B-436H-DE017								
Rigid Restraint	Class 2 51B	1-51-01/sht.2 O-ISIN4-101A-1.2 O-1AB-15101-02	NDE-66	VT-3	NA		0.000 / 2.500		F01.021.071
Calculation No. OSC-400, page 51.									
O1.F1.21.0025	1-53B-0-438C-DE012								
Rigid Restraint	Class 2 53B	1-53-04/sht.1 O-ISIN4-102A-1.1	NDE-66	VT-3	NA		0.000 / 12.000		F01.021.091
Calculation No. OSC-404, page 39.									
O1.F1.21.0035	1-55-1-0-439B-DE003								
Rigid Restraint	Class 2 55	1-55-06/sht.2 O-ISIN4-144A-1.2	NDE-66	VT-3	NA		0.000 / 6.000		F01.021.111
Calculation No. OSC-419, page 75.									

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Oconee 1, 4th Interval, outage 6 (EOC-27)

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.F1.21.0045	1-14B-0-479A-H12								
Rigid Restraint	Class 2 14B	1-14-13 O-ISIN4-124B-1.2	NDE-66				0.750 / 6.000		F01.021.
Calculation No. OSC-1306-06, page 6(4)-44									
O1.F1.21.0194	1-55-5-PEN # 3								
Rigid Restraint	Class 2 55	1-55-5 O-62A O-62C	NDE-66	VT-3	NA		0.750 / 6.000		F01.021.112
Calculation No. OSC-1660-13, Problem No. 1-55-05 sheet 1, Drawing O-ISIN4-144A-1.2. Type I Penetration located on Reactor Bld side of Penetration # 3.									
O1.F1.22.0004	1-01A-1-1-0-401A-H43								
Hyd Snubber	Class 2 01A	1-01-02/sht.3 O-ISIN4-122A-1.2	NDE-66	VT-3	NA		0.000 / 12.000		F01.022.004
Calculation No. OSC-321. Inspect with F01.050.049.									
O1.F1.22.0008	1-03-0-481A-H15B								
Spring Hgr	Class 2 03	1-03-05/sht.1 O-ISIN4-121B-1.3	NDE-66	VT-3	NA		1.500 / 24.000		F01.022.011
Calculation No. OSC-1297-06. Inspect with C03.020.012.									
O1.F1.22.0012	1-14B-0-439B-H21								
Spring Hgr	Class 2 14B	1-14-04/sht.1 O-ISIN4-124B-1.2	NDE-66	VT-3	NA		0.000 / 8.000		F01.022.041
Calculation No. OSC-396, page 76.1.									
O1.F1.22.0013	1-51-0-436H-H58								
Spring Hgr	Class 2 51	1-51-01/sht.1 O-ISIN4-101A-1.2 O-1AB-15101-01	NDE-66	VT-3	NA		0.000 / 4.000		F01.022.051
Calculation No. OSC-400, page 50. High Pressure Injection.									

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Oconee 1, 4th Interval, outage 6 (EOC-27)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cat Blocks	Component ID 2
Category F-A									
O1.F1.22.0014	1-51A-0-435C-DE001								
Spring Hgr	Class 2 51A	1-51-04/sht.1 O-ISIN4-101A-1.3 O-1AB-15104-01	NDE-66	VT-3	NA		0.000 / 4.000		F01.022.061
Calculation No. OSC-1639, page 30.5. High Pressure Injection.									
O1.F1.22.0017	1-51A-0-435B-H119								
Spring Hgr	Class 2 51A	1-51-13/sht.2 O-ISIN4-101A-1.3 O-1AB-15113-02	NDE-66	VT-3	NA		0.000 / 4.000		F01.022.064
Calculation No. OSC-1410, page 104. High Pressure Cross Connect & Header.									
O1.F1.22.0018	1-51B-2-0-436D-DE046								
Spring Hgr	Class 2 51B	1-51-06/sht.1 O-ISIN4-101A-1.1 O-1AB-15106-01	NDE-66	VT-3	NA		0.000 / 4.000		F01.022.071
Calculation No. OSC-1538.									
O1.F1.22.0020	1-53B-0-438C-DE055								
Mech Snubber	Class 2 53B	1-53-04/sht.1 O-ISIN4-102A-1.1	NDE-66	VT-3	NA		0.000 / 12.000		F01.022.101
Calculation No. OSC-404, page 39. Inspect with F01.050.055.									
O1.F1.30.0037	1-08-0-400H-JH-1801								
Rigid Support	Class 3 08	1-08-01/sht.1 O-ISIN4-122A-1.4	NDE-66	VT-3	NA		0.250 / 10.000		F01.030.072
Calculation No. OSC-1902. Inspect with D01.020.046.									
O1.F1.30.0038	1-14A-400B-H4241								
Rigid Support	Class 3 14A	1-14A-01/sht.5 O-ISIN4-133A-1.1 O-1TB-114A01-05	NDE-66	VT-3	NA		0.000 / 8.000		F01.030.081
Calculation No. OSC-395.									
O1.F1.30.0044	1-14B-1-0-439B-H10								
Rigid Support	Class 3 14B	1-14-04/sht.3 O-ISIN4-124B-1.2	NDE-66	VT-3	NA		0.000 / 18.000		F01.030.096
Calculation No. OSC-376 page 78.									

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Oconee 1, 4th Interval, outage 6 (EOC-27)

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.F1.30.0045	1-14B-0-436E-MKP-0503								
Rigid Support	Class 3 14B	4-14-03/sht.3 O-ISIN4-121D-1.2	NDE-66	VT-3	NA		0.000 / 8.000		F01.030.097
Calculation No. OSC-394, page 78.									
O1.F1.30.0046	1-14B-439B-RMC-0501								
Rigid Support	Class 3 14B	1-14-04/sht.1 O-ISIN4-124B-1.2	NDE-66	VT-3	NA		0.237 / 8.000		F01.030.098
Calculation No. OSC-376 page 78. Inspect with D01.020.064.									
O1.F1.30.0048	1-14B-436L-WJB-1001								
Rigid Support	Class 3 14B	4-14-03/sht.4 O-ISIN4-121D-1.2	NDE-66	VT-3	NA		0.000 / 8.000		F01.030.100
Calculation No. OSC-394, page 79.									
O1.F1.30.0049	1-14B-437A-DE042								
Rigid Support	Class 3 14B	1-14-06/sht. 1 O-ISIN4-124B-1.1	NDE-66	VT-3	NA		0.000 / 20.000		F01.030.101
Calculation No. OSC-1541, page 100									
O1.F1.30.0060	1-56-437B-SR20								
Rigid Support	Class 3 56	4-56-02/sht.3 O-ISIN4-104A-1.2	NDE-66	VT-3	NA		0.750 / 8.000		F01.030.135
Calculation No. OSC-421, page 95.1.									
O1.F1.30.0063	0-SSW-448K-H7362(B)								
Rigid Support	Class 3 SS W	4-SSW-01/sht.2 O-ISIN4-129A-1.1 O-4RWF-4SSW01-02	NDE-66	VT-3	NA		0.000 / 6.000		F01.030.151
Calculation No. OSC-6068.									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.F1.30.0065	0-SSW-448K-H7378(A) Class 3 SS W	4-SSW-01/sht.1	NDE-66	VT-3	NA		0.000 / 6.000		F01.030.153
Rigid Support	O-ISIN4-129A-1.1 O-4RWF-4SSW01-01								
Calculation No. OSC-6068.									
O1.F1.30.0468	1-14B-437A-DE055 Class 3 14B	O-ISIN4-124A-1.2 1-14-06/sht.2	NDE-66	VT-3			NA / NA		F01.030.
Rigid Support									
Calculation No. OSC-1541, page 101									
O1.F1.31.0004	1-03A-1-0-401B-SR28 Class 3 03A	1-03A-06/sht.3 O-ISIN4-121D-1.1	NDE-66	VT-3	NA		0.000 / 6.000		F01.031.022
Rigid Restraint									
Calculation No. OSC-340, page 90.									
O1.F1.31.0009	1-03A-1-0-400A-SR79 Class 3 03A	1-03A-09/sht.6 O-ISIN4-121D-1.1	NDE-66	VT-3	NA		0.200 / 6.000		F01.031.027
Rigid Restraint									
Calculation No. OSC-342, page 106.									
O1.F1.31.0010	1-03A-1-0-400A-H146 Class 3 03A	1-03A-12/sht.1 O-ISIN4-121D-1.1	NDE-66	VT-3	NA		0.750 / 6.000		F01.031.028
Rigid Restraint									
Calculation No. OSC-1215, page 21. Inspect with D01.020.021.									
O1.F1.31.0011	1-03A-1-0-400A-R38 Class 3 03A	1-03A-10/sht.1 O-ISIN4-121D-1.1	NDE-66	VT-3	NA		1.500 / 6.000		F01.031.029
Rigid Restraint									
Calculation No. OSC-343, page 49. Inspect with D01.020.022.									
O1.F1.31.0014	1-07A-0-400A-SR1 Class 3 07A	1-07A-02/sht.2 O-ISIN4-121A-1.8	NDE-66	VT-3	NA		0.000 / 8.000		F01.031.041
Rigid Restraint									
Calculation No. OSC-362, page 57.									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.F1.31.0018	1-14A-400B-H4242								
Rigid Restraint	Class 3 14A	1-14A-01/sht.5 O-ISIN4-133A-1.1 O-1TB-114A01-05	NDE-66	VT-3	NA		0.000 / 6.000		F01.031.061
Calculation No. OSC-395.									
O1.F1.31.0029	0-SSW-448K-H7363(B)								
Rigid Restraint	Class 3 SS W	4-SSW-01/sht.2 O-ISIN4-129A-1.1 O-4RWF-4SSW01-02	NDE-66	VT-3	NA		0.000 / 6.000		F01.031.121
Calculation No. OSC-6068.									
O1.F1.31.0030	0-SSW-448K-H7361(A)								
Rigid Restraint	Class 3 SS W	4-SSW-01/sht.1 O-ISIN4-129A-1.1 O-4RWF-4SSW01-01	NDE-66	VT-3	NA		0.250 / 6.000		F01.031.122
Calculation No. OSC-6068. Inspect with D01.020.101.									
O1.F1.31.0031	0-SSW-448K-H7360								
Rigid Restraint	Class 3 SS W	3-SSW-02/sht.2 O-ISIN4-129A-1.1 O-03TB-3SSW02-02	NDE-66	VT-3	NA		0.250 / 6.000		F01.031.123
Calculation No. OSC-6057.									
O1.F1.31.0032	0-SSW-448K-H7575(A)								
Rigid Restraint	Class 3 SS W	4-SSW-01/sht.1 O-ISIN4-129A-1.1 O-4RWF-4SSW01-01	NDE-66	VT-3	NA		0.250 / 6.000		F01.031.124
Calculation No. OSC-6068.									
O1.F1.32.0004	1-03-0-551-H48								
Spring Hgr	Class 3 03	1-03-01/sht.1 O-ISIN4-121B-1.3	NDE-66	VT-3	NA		0.312 / 24.000		F01.032.016
Calculation No. OSC-336, page 45a.1. Inspect with item number H04.001.011.									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.F1.32.0010	1-03A-1-0-400A-SR53								
	Class 3 03A	1-03A-09/sht.5	NDE-66	VT-3	NA		0.280 / 6.000		F01.032.024
Hyd Snubber		O-ISIN4-121D-1.1							
Calculation No. OSC-342, page 105. Inspect with F01.050.101.									
O1.F1.32.0011	1-03A-1-0-401A-H39								
	Class 3 03A	1-03A-09/sht.6	NDE-66	VT-3	NA		0.750 / 6.000		F01.032.025
Spring Hgr		O-ISIN4-121D-1.1							
Calculation No. OSC-342, page 106.									
O1.F1.32.0012	1-03A-1-0-439C-H101								
	Class 3 03A	1-03A-06/sht.2	NDE-66	VT-3	NA		0.500 / 6.000		F01.032.026
Spring Hgr		O-ISIN4-121D-1.1							
Calculation No. OSC-340, page 89.									
O1.F1.32.0021	1-56-2-0-438C-H62								
	Class 3 56	4-56-02/sht.1	NDE-66	VT-3	NA		1.000 / 8.000		F01.032.112
Spring Hgr		O-ISIN4-104A-1.1							
Calculation No. OSC-421, page 93.									
O1.F1.40.0001	1-RPV-WR36								
	Class 1 50	ISI-OCN1-001	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.001
		O-ISIN4-100A-1.1							
Reactor Vessel Support Skirt.									
O1.F1.40.0018	1-RBS-PU-B								
	Class 2 54A	OM 201-427	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.018
		O-ISIN4-103A-1.1							
		OM 201-3179							
Reactor Building Spray Pump 1B Support Legs & Pad.									
O1.F1.40.0019	1-SF-COOLER-A								
	Class 3 56	OM 201-84	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.019
		O-ISIN4-104A-1.1							
Spent Fuel Cooler 1A Support Legs.									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

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.F1.40.0020	1-SF-PUMP-C Class 3 56	OM 201-1704 O-ISIN4-104A-1.1	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.020
Spent Fuel Pump 1C Support Legs & Pad.									
O1.F1.40.0025	1-BWS-TANK Class 2 53B	OM 201-684 O-ISIN4-102A-1.1	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.025
Borated Water Storage Tank.									
O1.F1.40.0028	1-RCP-SEAL-FTR-A Class 2 51A	0-437A O-ISIN4-101A-1.4 OM 201-473	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.030
Reactor Coolant Pump Seal Supply Filter 1A.									
O1.F1.40.0029	1-ESVP-A Class 3	OM 212-0014 O-ISIN4-130A-1.1	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.031
Essential Siphon Vacuum Pump 1A.									

This report includes all changes through addendum ONS1-146

Oconee 1, 4th Interval, outage 6 (EOC-27)

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category Q-A									
O1.Q1.1.0008	1-51A-07-115V Class 1 50	ISI-OCN1-009 O-ISIN4-100A-1.1	PDI-UT-8	UT	SS		0.672 / 3.500	SI-4-AX-02 SI-4-CIRC-02	—
Dissimilar Stress Weld	1-51A-07 (1)		<p>Weld Overlay</p> <p>Reactor Coolant Pump 1B1 Suction Piping.</p> <p>During 1EOC-25, weld overlay 1-51A-07-115V was applied and covers weld 1-PIB1-11 and 1-51A-07-7E. The overlay will be examined per Appendix Q. This exam was scheduled per QA-513J form ER-ONS-10-02.</p> <p>Comments added per ONS1-139: This weld has been overlaid by FSWOL and is categorized as Inspection Item F as specified in ASME Code Case N-770-1. The components designated with Summary Number O1.G17.1 have been identified in the augmented section of the ISI plan for identification purposes only.</p> <p>Comments added per ONS1-140: The thickness of the base metal as well as the weld overlay varies and must be field verified. Thickness and NPS listed is for the Pipe.</p>						

End of Report

STATISTICS ONLY	Class 1 137	Class 2 81	Class 3 47	Total by Class 265	Systems 264	Total Count 265
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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 27 (Outage 6) 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 27 (Outage 6) are shown in the table below:

<u>Summary Number</u>	<u>Description of Limitation</u>
O1.B1.11.0005	See PIP O-12-14105 for corrective action on this limitation
O1.B1.21.0001	See PIP O-12-14105 for corrective action on this limitation
O1.B2.12.0002	See PIP O-12-14105 for corrective action on this limitation
O1.B2.51.0003	See PIP O-12-14105 for corrective action on this limitation
O1.B2.51.0004	See PIP O-12-14105 for corrective action on this limitation
O1.B9.11.0059	See PIP O-12-14105 for corrective action on this limitation
O1.C5.21.0014	See PIP O-12-14105 for corrective action on this limitation
O1.C5.21.0018	See PIP O-12-14105 for corrective action on this limitation
O1.C5.21.0029	See PIP O-12-14105 for corrective action on this limitation
O1.C5.21.0035	See PIP O-12-14105 for corrective action on this limitation

Scheduleworks

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Inspection Results
Oconee 1, 4th Interval, Outage 6 (EOC-27)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O1.B1.11.0001	1-RPV-WR17	50		CLR	N	N	N	Areva Results in Areva Report # 51-9193316-000.
O1.B1.11.0002	1-RPV-WR1A	50		REC	N	N	N	Areva Indications acceptable per IWB-3510-1. Results in Areva Report # 51-9193316-000.
O1.B1.11.0003	1-RPV-WR1	50		REC	N	N	N	Areva Indications acceptable per IWB-3510-1. Results in Areva Report # 51-9193316-000.
O1.B1.11.0004	1-RPV-WR18	50		REC	N	N	N	Areva Indications acceptable per IWB-3510-1. Results in Areva Report # 51-9193316-000.
O1.B1.11.0005	1-RPV-WR34	50		REC	Y	N	N	Areva Indications acceptable per IWB-3510-1. Results in Areva Report # 51-9193316-000. Percent of coverage < 90%. Reference PIP O-12-14105.
O1.B1.12.0001	1-RPV-A2-WR2	50		CLR	Y	N	N	Areva Percent of coverage > 90% no Relief Request required. Results in Areva Report # 51-9193316-000.
O1.B1.12.0002	1-RPV-A2-WR2A	50		CLR	Y	N	N	Areva Percent of coverage > 90% no Relief Request required. Results in Areva Report # 51-9193316-000.

<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.B1.12.0003	1-RPV-A1-WR2	50		CLR	N	N	N	Areva Results in Areva Report # 51-9193316-000.
O1.B1.12.0004	1-RPV-A1-WR2A	50		CLR	N	N	N	Areva Results in Areva Report # 51-9193316-000.
O1.B1.12.0005	1-RPV-A10-WR2	50		REC	N	N	N	Areva Indications acceptable per IWB-3510-1. Results in Areva Report # 51-9193316-000.
O1.B1.12.0006	1-RPV-A10-WR2A	50		REC	N	N	N	Areva Indications acceptable per IWB-3510-1. Results in Areva Report # 51-9193316-000.
O1.B1.21.0001	1-RPV-WR35	50		REC	Y	N	Y	Areva Indications acceptable per IWB-3510-1. Percent of coverage < 90%. Reference PIP O-12-14105. Results in Areva Report # 51-9193316-000.
O1.B1.30.0001	1-RPV-WR19	50		REC	Y	N	Y	Areva Indications acceptable per IWB-3510-1. Percent of coverage > 90% no Relief Request required. Results in Areva Report # 51-9193316-000.
O1.B10.20.0003	1-51A-0-478A-H8C	51A	11/12/12	CLR	N	N	N	PT-12-407
O1.B13.10.0001	1-RPV-INT-SURFACE	50		CLR	N	N	N	Areva See Areva Report # 51-9193317-000.
O1.B13.50.0001	1RPV-INT-LUGS	50		CLR	N	N	N	Areva See Areva Report # 51-9193317-000.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O1.B13.60.0001	INCORE INSTR NOZ WELDS	50		CLR	N	N	N	Areva See Areva Report # 51-9193317-000.
O1.B13.60.0002	FLOW STABILIZERS	50		CLR	N	N	N	Areva See Areva Report # 51-9193317-000.
O1.B13.70.0001	1-RPV-INTERNALS	50		CLR	N	N	N	Areva Non Relevant Indications were noted during examination. Reference PIP O-12-13075, O-12-13217, and 12939. See Areva Report # 51-9193317-000. See Areva Report # 51-9193317-000.
O1.B14.10.0017	1-RPV-CRD-67WH9	50	11/12/12	CLR	N	N	N	PT-12-408
O1.B14.10.0018	1-RPV-CRD-67W60	50	11/10/12	CLR	N	N	N	PT-12-404
O1.B14.10.0019	1-RPV-CRD-67	50	11/10/12	CLR	N	N	N	PT-12-405
O1.B14.10.0020	1-RPV-CRD-67W61	50	11/10/12	CLR	N	N	N	PT-12-406
O1.B15.140.0001	1-PZR-HTR PLATES	50	10/29/12	CLR	N	N	N	VT-12-1077
O1.B15.140.0002	1-PZR-HTR-SLEEVES	50	10/29/12	CLR	N	N	N	VT-12-1078
O1.B15.210.0001	1RC-269-125V	50	10/28/12	CLR	N	N	N	VT-12-1064
O1.B15.210.0002	1-50-4-125	50	10/28/12	CLR	N	N	N	VT-12-1065
O1.B15.210.0003	1RC-273-143V	50	10/28/12	CLR	N	N	N	VT-12-1057

<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.B15.210.0004	1-50-4-143	50	10/28/12	CLR	N	N	N	VT-12-1056
O1.B15.210.0005	1-50-4-131	50	10/28/12	CLR	N	N	N	VT-12-1066
O1.B15.210.0006	1-50-4-135	50	10/28/12	CLR	N	N	N	VT-12-1067
O1.B15.210.0007	1-50-4-44A	50	10/28/12	CLR	N	N	N	VT-12-1058
O1.B15.210.0008	1-50-4-150	50	10/28/12	CLR	N	N	N	VT-12-1059
O1.B15.210.0009	1-PHA-13	50	10/27/12	CLR	N	N	N	VT-12-1068
O1.B15.210.0010	1-PHA-14	50	10/27/12	CLR	N	N	N	VT-12-1069
O1.B15.210.0011	1-PHA-15	50	10/27/12	CLR	N	N	N	VT-12-1070
O1.B15.210.0012	1-PHB-13	50	10/28/12	CLR	N	N	N	VT-12-1060
O1.B15.210.0013	1-PHB-14	50	10/28/12	CLR	N	N	N	VT-12-1061
O1.B15.210.0014	1-PHB-15	50	10/28/12	CLR	N	N	N	VT-12-1062
O1.B15.210.0015	1SGA-HL-CON-27	50	10/27/12	CLR	N	N	N	VT-12-1071
O1.B15.210.0016	1SGB-HL-CON-36	50	10/28/12	CLR	N	N	N	VT-12-1063
O1.B2.11.0002	1-PZR-WP28	50	11/10/12	CLR	Y	N	N	UT-12-1091 (Page 1)

Percent of coverage > 90%. No Relief Request required.

<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.B2.11.0002	1-PZR-WP28	50	11/10/12	CLR	Y	N	N	UT-12-1091 (Page 2) Percent of coverage > 90%. No Relief Request required.
		50	11/10/12	CLR	Y	N	N	UT-12-1091 (Page 3) Percent of coverage > 90%. No Relief Request required.
		50	11/10/12	CLR	Y	N	N	UT-12-1091 (Page 4) Percent of coverage > 90%. No Relief Request required.
		50	11/10/12	CLR	Y	N	N	UT-12-1091 (Page 5) Percent of coverage > 90%. No Relief Request required.
		50	11/10/12	CLR	Y	N	N	UT-12-1091 (Page 6) Percent of coverage > 90%. No Relief Request required.
		50	11/10/12	CLR	Y	N	N	UT-12-1091 (Page 7) Percent of coverage > 90%. No Relief Request required.
		50	11/10/12	CLR	Y	N	N	UT-12-1094 (Page 1) Percent of coverage > 90%. No Relief Request required.
		50	11/10/12	CLR	Y	N	N	UT-12-1094 (Page 2) Percent of coverage > 90%. No Relief Request required.
		50	11/10/12	CLR	Y	N	N	UT-12-1094 (Page 3) Percent of coverage > 90%. No Relief Request required.
O1.B2.12.0002	1-PZR-WP7-1	50	11/10/12	CLR	Y	N	Y	UT-12-1092 (Page 1) Percent of coverage < 90%. Reference PIP O-12-14105.

<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.B2.12.0002	1-PZR-WP7-1	50	11/10/12	CLR	Y	N	Y	UT-12-1092 (Page 2) Percent of coverage < 90%. Reference PIP O-12-14105.
		50	11/10/12	CLR	Y	N	Y	UT-12-1092 (Page 3) CLRY75.50NY Percent of coverage < 90%. Reference PIP O-12-14105.
		50	11/10/12	CLR	Y	N	Y	UT-12-1092 (Page 4) Percent of coverage < 90%. Reference PIP O-12-14105.
		50	11/10/12	CLR	Y	N	Y	UT-12-1093 (Page 1) Percent of coverage < 90%. Reference PIP O-12-14105.
		50	11/10/12	CLR	Y	N	Y	UT-12-1093 (Page 2) Percent of coverage < 90%. Reference PIP O-12-14105.
O1.B2.51.0003	1LDCB-INLET	51A	11/07/12	CLR	Y	Y	Y	UT-12-1059 (Page 1) Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	11/07/12	CLR	Y	Y	Y	UT-12-1059 (Page 2) Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	11/07/12	CLR	Y	Y	Y	UT-12-1059 (Page 3) Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	11/07/12	CLR	Y	Y	Y	UT-12-1059 (Page 4) Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	11/07/12	CLR	Y	Y	Y	UT-12-1059 (Page 5) Percent of coverage < 90%. Reference PIP O-12-14105.

<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.B2.51.0004	1LDCB-OUTLET	51A	11/07/12	CLR	Y	Y	Y	UT-12-1060 (Page 1) Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	11/07/12	CLR	Y	Y	Y	UT-12-1060 (Page 2) Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	11/07/12	CLR	Y	Y	Y	UT-12-1060 (Page 3) Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	11/07/12	CLR	Y	Y	Y	UT-12-1060 (Page 4) Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	11/07/12	CLR	Y	Y	Y	UT-12-1060 (Page 5) Percent of coverage < 90%. Reference PIP O-12-14105.
O1.B3.100.0001	1-RPV-WR13	50		CLR	N	N	N	Areva See Areva Report# 51-9193317-000.
O1.B3.100.0002	1-RPV-WR13A	50		CLR	N	N	N	Areva See Areva Report# 51-9193317-000.
O1.B3.100.0003	1-RPV-WR12	50		CLR	N	N	N	AREVA See Areva Report# 51-9193317-000.
O1.B3.100.0004	1-RPV-WR12A	50		CLR	N	N	N	Areva See Areva Report# 51-9193317-000.
O1.B3.100.0005	1-RPV-WR12B	50		CLR	N	N	N	Areva See Areva Report# 51-9193317-000.

<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.B3.100.0006	1-RPV-WR12C	50		CLR	N	N	N	Areva See Areva Report# 51-9193317-000.
O1.B3.100.0007	1-RPV-WR54	50		CLR	N	N	N	Areva See Areva Report# 51-9193317-000.
O1.B3.100.0008	1-RPV-WR54A	50		CLR	N	N	N	Areva See Areva Report# 51-9193317-000.
O1.B3.90.0001	1-RPV-WR13	50		REC	Y	N	N	AREVA Indications acceptable per IWB-3512-1. Percent of coverage > 90% no Relief Request required. See Areva Report# 51-9193316-000.
O1.B3.90.0002	1-RPV-WR13A	50		REC	Y	N	N	Areva Indications acceptable per IWB-3512-1. Percent of coverage > 90% no Relief Request required. See Areva Report# 51-9193316-000.
O1.B3.90.0003	1-RPV-WR12	50		REC	Y	N	N	Areva Indications acceptable per IWB-3512-1. Percent of coverage > 90% no Relief Request required. See Areva Report# 51-9193316-000.
O1.B3.90.0004	1-RPV-WR12A	50		REC	Y	N	N	Areva Indications acceptable per IWB-3512-1. Percent of coverage > 90% no Relief Request required. See Areva Report# 51-9193316-000.
O1.B3.90.0005	1-RPV-WR12B	50		REC	Y	N	N	Areva Indications acceptable per IWB-3512-1. Percent of coverage > 90% no Relief Request required. See Areva Report# 51-9193316-000.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O1.B3.90.0006	1-RPV-WR12C	50		REC	Y	N	N	Areva Indications acceptable per IWB-3512-1. Percent of coverage > 90% no Relief Request required. See Areva Report# 51-9193316-000.
O1.B3.90.0007	1-RPV-WR54	50		REC	N	N	N	Areva Indications acceptable per IWB-3512-1. See Areva Report# 51-9193316-000.
O1.B3.90.0008	1-RPV-WR54A	50		CLR	N	N	N	Areva See Areva Report# 51-9193316-000.
O1.B4.30.0001	1-RPV-HEAD -PEN	50	11/12/12	REC	Y	N	N	VT-12-1102 Coverage percentage is acceptable per Code Case N-729-1. No Relief Request required. Reference PIP O-12-13270 for Engineering Evaluation of rejectable items noted on datasheet.
O1.B4.40.0001	1-RPV-HEAD-PEN	50		CLR	N	N	N	Areva Results found in Areva Report #51-9193315-000
O1.B5.10.0001	1-RPV-WR53	50		CLR	Y	N	N	Areva Percent of coverage > 90% no Relief Request required. See Areva Report# 51-9193316-000.
O1.B5.10.0002	1-RPV-WR53A	50		REC	Y	N	N	Areva Indications acceptable per IWB-3514-1. Percent of coverage > 90% no Relief Request required. See Areva Report# 51-9193316-000.
O1.B9.11.0009	1-PDA1-9	50		CLR	N	N	N	Areva See Areva Report# 51-9193316-000.
O1.B9.11.0011	1-PDA2-9	50		CLR	N	N	N	Areva See Areva Report# 51-9193316-000.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O1.B9.11.0013	1-PDB1-9	50		CLR	N	N	N	Areva See Areva Report# 51-9193316-000.
O1.B9.11.0015	1-PDB2-9	50		CLR	N	N	N	Areva See Areva Report# 51-9193316-000.
O1.B9.11.0016	1-PHA-1	50		CLR	N	N	N	Areva See Areva Report# 51-9193316-000.
O1.B9.11.0019	1-PHB-1	50		CLR	N	N	N	Areva See Areva Report# 51-9193316-000.
O1.B9.11.0059	1-PDA1-1	50	11/11/12	CLR	Y	N	Y	UT-12-1073 (Page 1) Percent of coverage <90%. Reference PIP O-12-14105.
		50	11/11/12	CLR	Y	N	Y	UT-12-1073 (Page 2) Percent of coverage <90%. Reference PIP O-12-14105.
		50	11/11/12	CLR	Y	N	Y	UT-12-1073 (Page 3) Percent of coverage <90%. Reference PIP O-12-14105.
		50	11/11/12	CLR	Y	N	Y	UT-12-1078 (Page 1) Percent of coverage <90%. Reference PIP O-12-14105.
		50	11/11/12	CLR	Y	N	Y	UT-12-1078 (Page 2) Percent of coverage <90%. Reference PIP O-12-14105.
O1.B9.21.0016	1-51A-135-29	51A	11/05/12	CLR	N	N	N	PT-12-403

<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.B9.21.0049	1RC-200-161	51A	11/02/12	CLR	N	N	N	PT-12-400
O1.B9.21.0061	1RC-199-154	51A	11/02/12	CLR	N	N	N	PT-12-401
O1.B9.31.0002	1-PHB-16	50	11/07/12	CLR	N	N	N	UT-12-1057 (Page 1)
		50	11/07/12	CLR	N	N	N	UT-12-1057 (Page 2)
O1.B9.40.0010	1-51A-135-111	51A	11/05/12	CLR	N	N	N	PT-12-402
O1.C1.10.0004	1-LPCB-SH-1	53B		CLR	N	N	N	Pressure Test Test performed on Zone OZ1L-27B. Examined using Code Case N-706. Pressure test completed in each period with no leakage.
O1.C1.10.0005	1-LPCB-SH-2	53B		CLR	N	N	N	Pressure Test Test performed on Zone OZ1L-27B. Examined using Code Case N-706. Pressure test completed in each period with no leakage.
O1.C3.20.0006	1-03-0-481A-H15B	03	11/10/12	CLR	N	N	N	MT-12-129
O1.C3.20.0224	1-55-5-PEN # 3	55	11/12/12	CLR	N	N	N	MT-12-130
O1.C4.40.0001	1-MS-105-STUD	01A	11/13/12	CLR	N	N	N	UT-12-1081 (Page 1)
		01A	11/13/12	CLR	N	N	N	UT-12-1081 (Page 2)
O1.C5.11.0030	1LP-128-73	53B	08/14/12	CLR	N	N	N	UT-12-994 (Page 1)
		53B	08/14/12	CLR	N	N	N	UT-12-994 (Page 2)

<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.C5.11.0031	1LP-128-74	53B	08/14/12	CLR	N	N	N	UT-12-995 (Page 1)
		53B	08/14/12	CLR	N	N	N	UT-12-995 (Page 2)
O1.C5.11.0032	1LP-128-75	53B	08/14/12	CLR	N	N	N	UT-12-996 (Page 1)
		53B	08/14/12	CLR	N	N	N	UT-12-996 (Page 2)
O1.C5.11.0033	1LP-128-76	53B	08/14/12	CLR	N	N	N	UT-12-997 (Page 1)
		53B	08/14/12	CLR	N	N	N	UT-12-997 (Page 2)
O1.C5.11.0034	1LP-128-77	53B	08/14/12	CLR	N	N	N	UT-12-998 (Page 1)
		53B	08/14/12	CLR	N	N	N	UT-12-998 (Page 2)
O1.C5.11.0035	1LP-128-78	53B	08/14/12	CLR	N	N	N	UT-12-999 (Page 1)
		53B	08/14/12	CLR	N	N	N	UT-12-999 (Page 2)
O1.C5.11.0036	1LP-128-79	53B	08/14/12	CLR	N	N	N	UT-12-1000 (Page 1)
		53B	08/14/12	CLR	N	N	N	UT-12-1000 (Page 2)
O1.C5.11.0037	1LP-124-22	53A	08/14/12	CLR	N	N	N	UT-12-988 (Page 1)
		53A	08/14/12	CLR	N	N	N	UT-12-988 (Page 2)
O1.C5.11.0038	1LP-124-23	53A	08/14/12	CLR	N	N	N	UT-12-989 (Page 1)
		53A	08/14/12	CLR	N	N	N	UT-12-989 (Page 2)

<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.C5.11.0039	1LP-124-24	53A	08/14/12	CLR	N	N	N	UT-12-990 (Page 1)
		53A	08/14/12	CLR	N	N	N	UT-12-990 (Page 2)
O1.C5.11.0040	1LP-124-25	53A	08/14/12	CLR	N	N	N	UT-12-991 (Page 1)
		53A	08/14/12	CLR	N	N	N	UT-12-991 (Page 2)
O1.C5.11.0041	1LP-124-26	53A	08/14/12	CLR	N	N	N	UT-12-992 (Page 1)
		53A	08/14/12	CLR	N	N	N	UT-12-992 (Page 2)
O1.C5.11.0042	1LP-124-44	53A	08/14/12	CLR	N	N	N	UT-12-993 (Page 1)
		53A	08/14/12	CLR	N	N	N	UT-12-993 (Page 2)
O1.C5.11.0104	1LPS-750-7	14B	11/07/12	CLR	N	Y	N	UT-12-1063 (Page 1)
		14B	11/08/12	CLR	N	Y	N	UT-12-1063 (Page 2)
		14B	11/08/12	CLR	N	Y	N	UT-12-1063 (Page 3)
		14B	11/08/12	CLR	N	Y	N	UT-12-1063 (Page 4)
O1.C5.21.0014	1-51A-01-114AC	51A	11/13/12	CLR	Y	N	Y	UT-12-1083 (Page 1) Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	11/13/12	CLR	Y	N	Y	UT-12-1083 (Page 2) Percent of coverage < 90%. Reference PIP O-12-14105.

<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.C5.21.0014	1-51A-01-114AC	51A	11/13/12	CLR	Y	N	Y	UT-12-1083 (Page 3) Percent of coverage < 90%. Reference PIP O-12-14105.
O1.C5.21.0018	1HP-187-114	51A	08/21/12	CLR	Y	N	Y	UT-12-1007 (Page 1) Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	08/21/12	CLR	Y	N	Y	UT-12-1007 (Page 2) Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	08/21/12	CLR	Y	N	Y	UT-12-1007 (Page 3) Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	08/21/12	CLR	Y	N	Y	UT-12-1007 (Page 4) Percent of coverage < 90%. Reference PIP O-12-14105.
O1.C5.21.0020	1HP-192-1	51A	08/15/12	CLR	N	N	N	UT-12-1001 (Page 1)
		51A	08/15/12	CLR	N	N	N	UT-12-1001 (Page 2)
		51A	08/15/12	CLR	N	N	N	UT-12-1001 (Page 3)
O1.C5.21.0029	1-51A-02-49BA	51A	11/13/12	CLR	Y	Y	Y	UT-12-1085 (Page 1) Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	11/13/12	CLR	Y	Y	Y	UT-12-1085 (Page 2) Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	11/13/12	CLR	Y	Y	Y	UT-12-1085 (Page 3) Percent of coverage < 90%. Reference PIP O-12-14105.

<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.C5.21.0035	1-51A-02-23BB	51A	11/13/12	CLR	Y	N	Y	UT-12-1084 (Page 1)
								Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	11/13/12	CLR	Y	N	Y	UT-12-1084 (Page 2)
								Percent of coverage < 90%. Reference PIP O-12-14105.
		51A	11/13/12	CLR	Y	N	Y	UT-12-1084 (Page 3)
								Percent of coverage < 90%. Reference PIP O-12-14105.
O1.C5.21.0038	1-51A-03-79B	51A	08/22/12	CLR	N	N	N	UT-12-1005 (Page 1)
		51A	08/22/12	CLR	N	N	N	UT-12-1005 (Page 2)
O1.C5.21.0042	1-51A-03-122B	51A	08/16/12	CLR	N	Y	N	UT-12-1002 (Page 1)
		51A	08/16/12	CLR	N	Y	N	UT-12-1002 (Page 2)
O1.C5.21.0044	1-51A-137-11	51A	11/07/12	CLR	Y	N	N	UT-12-1040 (Page 1)
								Percent of coverage > 90%. No Relief Request required.
		51A	11/07/12	CLR	Y	N	N	UT-12-1040 (Page 2)
								Percent of coverage > 90%. No Relief Request required.
		51A	11/07/12	CLR	Y	N	N	UT-12-1040 (Page 3)
								Percent of coverage > 90%. No Relief Request required.
O1.C5.21.0045	1HP-187-116	51A	08/21/12	CLR	Y	N	N	UT-12-1008 (Page 1)
								Percent of coverage > 90%. No Relief Request required.
		51A	08/21/12	CLR	Y	N	N	UT-12-1008 (Page 2)
								Percent of coverage > 90%. No Relief Request required.

<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.C5.21.0045	1HP-187-116	51A	08/21/12	CLR	Y	N	N	UT-12-1008 (Page 3)
								Percent of coverage > 90%. No Relief Request required.
		51A	08/21/12	CLR	Y	N	N	UT-12-1008 (Page 4)
								Percent of coverage > 90%. No Relief Request required.
O1.C5.21.0049	1HP-282-88A	51A	08/20/12	CLR	N	N	N	UT-12-1003
O1.C5.21.0059	1-51A-127-16	51A	08/20/12	CLR	N	N	N	UT-12-1004
O1.C5.21.0060	1HP-195-111	51A	11/13/12	CLR	Y	N	N	UT-12-1080 (Page 1)
								Percent of coverage > 90%. No Relief Request required.
		51A	11/13/12	CLR	Y	N	N	UT-12-1080 (Page 2)
								Percent of coverage > 90%. No Relief Request required.
		51A	11/13/12	CLR	Y	N	N	UT-12-1080 (Page 3)
								Percent of coverage > 90%. No Relief Request required.
O1.C5.21.0064	1HP-179-119	51A	11/10/12	CLR	N	Y	N	UT-12-1079 (Page 1)
		51A	11/10/12	CLR	N	Y	N	UT-12-1079 (Page 2)
		51A	11/10/12	CLR	N	Y	N	UT-12-1079 (Page 3)
		51A	11/11/12	CLR	N	Y	N	UT-12-1079 (Page 4)
O1.C5.21.0068	1HP-179-102E	51A	11/10/12	CLR	N	N	N	UT-12-1068 (Page 1)
		51A	11/10/12	CLR	N	N	N	UT-12-1068 (Page 2)

<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.C5.21.0068	1HP-179-102E	51A	11/10/12	CLR	N	N	N	UT-12-1068 (Page 3)
		51A	11/10/12	CLR	N	N	N	UT-12-1068 (Page 4)
O1.C5.21.0071	1HP-367-29	51B	11/08/12	CLR	Y	N	N	UT-12-1054 (Page 1)
								Percent of coverage > 90%. No relief Request required.
		51B	11/08/12	CLR	Y	N	N	UT-12-1054 (Page 2)
								Percent of coverage > 90%. No relief Request required.
		51B	11/08/12	CLR	Y	N	N	UT-12-1054 (Page 3)
								Percent of coverage > 90%. No relief Request required.
		51B	11/08/12	CLR	Y	N	N	UT-12-1054 (Page 4)
								Percent of coverage > 90%. No relief Request required.
O1.C5.21.0072	1HP-367-34	51B	11/08/12	CLR	N	N	N	UT-12-1055 (Page 1)
		51B	11/08/12	CLR	N	N	N	UT-12-1055 (Page 2)
		51B	11/08/12	CLR	N	N	N	UT-12-1055 (Page 3)
O1.C5.21.0073	1HP-367-35	51B	11/08/12	CLR	N	N	N	UT-12-1056 (Page 1)
		51B	11/08/12	CLR	N	N	N	UT-12-1056 (Page 2)
		51B	11/08/12	CLR	N	N	N	UT-12-1056 (Page 3)
O1.C5.51.0003	1MS-074-14B	01A	11/10/12	CLR	N	Y	N	UT-12-1061
O1.C5.51.0011	1MS-066-2	01A	11/03/12	CLR	N	N	N	UT-12-1022 (Page 1)

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O1.C5.51.0011	1MS-066-2	01A	11/03/12	CLR	N	N	N	UT-12-1022 (Page 2)
O1.C5.51.0019	1MS-001-19	01A	11/03/12	CLR	N	N	N	UT-12-1023 (Page 1)
		01A	11/03/12	CLR	N	N	N	UT-12-1023 (Page 2)
O1.C5.51.0020	1-03-3-28B	03	11/10/12	CLR	N	Y	N	UT-12-1062
O1.C5.51.0022	1FDW-249-44B	03	11/11/12	CLR	N	N	N	UT-12-1070 (Page 1)
		03	11/11/12	CLR	N	N	N	UT-12-1070 (Page 2)
O1.C5.51.0032	1CC-136-82B	55	08/22/12	CLR	N	Y	N	UT-12-1006 (Page 1)
		55	08/22/12	CLR	N	Y	N	UT-12-1006 (Page 2)
		55	08/22/12	CLR	N	Y	N	UT-12-1006 (Page 3)
		55	08/22/12	CLR	N	Y	N	UT-12-1006 (Page 4)
O1.C5.51.0039	1-LPSW-344-19	14B	10/24/12	CLR	N	N	N	UT-12-1009 (Page 1)
		14B	10/24/12	CLR	N	N	N	UT-12-1009 (Page 2)
O1.C5.51.0058	1SGA-W261	03A	11/11/12	CLR	Y	N	N	UT-12-1071 (Page 1)
								Percent of coverage > 90%. No Relief Request required.
		03A	11/11/12	CLR	Y	N	N	UT-12-1071 (Page 2)
								Percent of coverage > 90%. No Relief Request required.

<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.C5.51.0058	1SGA-W261	03A	11/11/12	CLR	Y	N	N	UT-12-1071 (Page 3) Percent of coverage > 90%. No Relief Request required.
O1.C5.51.0059	1SGA-W276	03A	11/11/12	CLR	N	N	N	UT-12-1072 (Page 1)
		03A	11/11/12	CLR	N	N	N	UT-12-1072 (Page 2)
O1.C5.51.0150	1MS-065-9	01A	11/13/12	CLR	N	N	N	MT-12-131
		01A	11/14/12	CLR	N	N	N	UT-12-1095 (Page 1)
		01A	11/14/12	CLR	N	N	N	UT-12-1095 (Page 2)
		01A	11/14/12	CLR	N	N	N	UT-12-1095 (Page 3)
		01A	11/14/12	CLR	N	N	N	UT-12-1095 (Page 4)
O1.C5.51.0209	1LPSW-345-34	14B	11/08/12	CLR	N	N	N	MT-12-127
		14B	11/08/12	CLR	N	N	N	UT-12-1053 (Page 1)
		14B	11/08/12	CLR	N	N	N	UT-12-1053 (Page 2)
O1.D1.20.0005	1-03A-1-0-400A-H146	03A	10/03/12	CLR	N	N	N	VT-12-1044
O1.D1.20.0006	1-03A-1-0-400A-R38	03A	10/31/12	CLR	N	N	N	VT-12-1085
O1.D1.20.0020	1-08-0-400H-JH-1801	08	10/03/12	CLR	N	N	N	VT-12-1045
O1.D1.20.0025	1-14B-439B-RMC-0501	14B	08/13/12	CLR	N	N	N	VT-12-1019

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O1.D1.20.0030	0-SSW-448K-H7361	SSW	11/01/12	CLR	N	N	N	VT-12-1093
O1.F1.11.0004	1-51A-0-478A-H8C	51A	11/07/12	CLR	N	N	N	VT-12-1098
O1.F1.12.0005	1-51A-0-478A-H6238	51A	11/19/12	CLR	N	N	N	VT-12-1106
O1.F1.20.0019	1-51-0-436D-SR6	51	08/21/12	CLR	N	N	N	VT-12-1026
O1.F1.20.0025	1-51A-1-0-439A-H29	51A	08/13/12	CLR	N	N	N	VT-12-1016
O1.F1.20.0027	1-51A-6-0-435B-SR59	51A	10/24/12	CLR	N	N	N	VT-12-1055
O1.F1.20.0046	1-53B-4-0-435B-H30	53B	09/05/12	CLR	N	N	N	VT-12-1031
O1.F1.20.0049	1-54A-435B-DE10	54A	10/11/12	CLR	N	N	N	VT-12-1054
O1.F1.20.0054	1-55-1-0-439C-H32	55	08/28/12	CLR	N	N	N	VT-12-1029
O1.F1.21.0019	1-51A-1-0-435C-SR61	51A	08/20/12	CLR	N	N	N	VT-12-1024
O1.F1.21.0022	1-51B-436H-DE017	51B	11/14/12	CLR	N	N	N	VT-12-1100
O1.F1.21.0025	1-53B-0-438C-DE012	53B	09/06/12	CLR	N	N	N	VT-12-1036
O1.F1.21.0035	1-55-1-0-439B-DE003	55	08/13/12	CLR	N	N	N	VT-12-1020
O1.F1.21.0045	1-14B-0-479A-H12	14B	11/04/12	CLR	N	N	N	VT-12-1096

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O1.F1.21.0194	1-55-5-PEN # 3	55	10/29/12	CLR	N	N	N	VT-12-1083
O1.F1.22.0004	1-01A-1-1-0-401A-H43	01A	10/29/12	CLR	N	N	N	VT-12-1081
O1.F1.22.0008	1-03-0-481A-H15B	03	11/07/12	CLR	N	N	N	VT-12-1099
O1.F1.22.0012	1-14B-0-439B-H21	14B	08/16/12	CLR	N	N	N	VT-12-1022
O1.F1.22.0013	1-51-0-436H-H58	51	10/28/12	REC	N	N	N	VT-12-1075 Acceptable for continued service per Engineering Evaluation. WO# 01073074 written to correct discrepancies. Reference PIP O-12-12825.
O1.F1.22.0014	1-51A-0-435C-DE001	51A	08/21/12	CLR	N	N	N	VT-12-1025
O1.F1.22.0017	1-51A-0-435B-H119	51A	08/20/12	CLR	N	N	N	VT-12-1023
O1.F1.22.0018	1-51B-2-0-436D-DE046	51B	09/13/12	CLR	N	N	N	VT-12-1040
O1.F1.22.0020	1-53B-0-438C-DE055	53B	09/06/12	CLR	N	N	N	VT-12-1034
O1.F1.30.0037	1-08-0-400H-JH-1801	08	10/03/12	CLR	N	N	N	VT-12-1047
O1.F1.30.0038	1-14A-400B-H4241	14A	10/10/12	CLR	N	N	N	VT-12-1053
O1.F1.30.0044	1-14B-1-0-439B-H10	14B	11/01/12	CLR	N	N	N	VT-12-1092
O1.F1.30.0045	1-14B-0-436E-MKP-0503	14B	08/27/12	REC	N	N	N	VT-12-1028 Acceptable for continued service per Engineering Evaluation. Reference PIP O-12-12825.

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O1.F1.30.0046	1-14B-439B-RMC-0501	14B	08/13/12	CLR	N	N	N	VT-12-1018
O1.F1.30.0048	1-14B-436L-WJB-1001	14B	08/27/12	CLR	N	N	N	VT-12-1027
O1.F1.30.0049	1-14B-437A-DE042	14B	10/08/12	CLR	N	N	N	VT-12-1048
O1.F1.30.0060	1-56-437B-SR20	56	09/10/12	CLR	N	N	N	VT-12-1039
O1.F1.30.0063	0-SSW-448K-H7362(B)	SSW	11/01/12	CLR	N	N	N	VT-12-1087
O1.F1.30.0065	0-SSW-448K-H7378(A)	SSW	09/21/11	CLR	N	N	N	VT-12-1021
O1.F1.30.0468	1-14B-437A-DE055	14B	09/05/12	REC	N	N	N	VT-12-1033 Acceptable for continued service per Engineering Evaluation. Reference PIP O-12-12948.
O1.F1.31.0004	1-03A-1-O-401B-SR28	03A	10/03/12	CLR	N	N	N	VT-12-1043
O1.F1.31.0009	1-03A-1-O-400A-SR79	03A	10/09/12	CLR	N	N	N	VT-12-1051
O1.F1.31.0010	1-03A-1-O-400A-H146	03A	10/03/12	CLR	N	N	N	VT-12-1046
O1.F1.31.0011	1-03A-1-O-400A-R38	03A	10/31/12	CLR	N	N	N	VT-12-1086
O1.F1.31.0014	1-07A-O-400A-SR1	07A	10/09/12	CLR	N	N	N	VT-12-1052
O1.F1.31.0018	1-14A-400B-H4242	14A	10/08/12	CLR	N	N	N	VT-12-1050
O1.F1.31.0029	0-SSW-448K-H7363(B)	SSW	11/01/12	CLR	N	N	N	VT-12-1089

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O1.F1.31.0030	0-SSW-448K-H7361(A)	SSW	11/01/12	CLR	N	N	N	VT-12-1091
O1.F1.31.0031	0-SSW-448K-H7360	SSW	11/01/12	CLR	N	N	N	VT-12-1090
O1.F1.31.0032	0-SSW-448K-H7575(A)	SSW	11/01/12	CLR	N	N	N	VT-12-1088
O1.F1.32.0004	1-03-0-551-H48	03	10/29/12	CLR	N	N	N	VT-12-1082
O1.F1.32.0010	1-03A-1-0-400A-SR53	03A	10/08/12	CLR	N	N	N	VT-12-1049
O1.F1.32.0011	1-03A-1-0-401A-H39	03A	10/02/12	REC	N	N	N	VT-12-1042 Acceptable for continued service per Engineering Evaluation. Reference PIP O-12-12948.
O1.F1.32.0012	1-03A-1-0-439C-H101	03A	08/28/12	CLR	N	N	N	VT-12-1030
O1.F1.32.0021	1-56-2-0-438C-H62	56	09/06/12	CLR	N	N	N	VT-12-1035
O1.F1.40.0001	1-RPV-WR36	50	10/28/12	CLR	Y	N	Y	VT-12-1076 Percent of coverage <100%. Reference PIP O-12-14105.
O1.F1.40.0018	1-RBS-PU-B	54A	09/05/12	CLR	N	N	N	VT-12-1032
O1.F1.40.0019	1-SF-COOLER-A	56	09/10/12	CLR	N	N	N	VT-12-1038
O1.F1.40.0020	1-SF-PUMP-C	56	09/10/12	CLR	N	N	N	VT-12-1037

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O1.F1.40.0025	1-BWS-TANK	53B	11/01/12	REC	N	N	N	VT-12-1095
Acceptable for continued service per Engineering Evaluation. Reference PIP O-12-13600.								
O1.F1.40.0028	1-RCP-SEAL-FTR-A	51A	10/30/12	CLR	N	N	N	VT-12-1094
O1.F1.40.0029	1-ESVP-A		09/24/12	CLR	N	N	N	VT-12-1041
O1.G12.1.0005	1-PDB1-11	51A	11/02/12	CLR	N	N	N	UT-12-1041 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1041 (Page 2)
		51A	11/02/12	CLR	N	N	N	UT-12-1041 (Page 3)
		51A	11/02/12	CLR	N	N	N	UT-12-1041 (Page 4)
		51A	11/02/12	CLR	N	N	N	UT-12-1041 (Page 5)
		51A	11/02/12	CLR	N	N	N	UT-12-1041 (Page 6)
O1.G12.1.0006	1-PDB2-11	51A	11/02/12	CLR	N	N	N	UT-12-1044 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1044 (Page 2)
		51A	11/02/12	CLR	N	N	N	UT-12-1044 (Page 3)
		51A	11/02/12	CLR	N	N	N	UT-12-1044 (Page 4)
		51A	11/02/12	CLR	N	N	N	UT-12-1044 (Page 5)
		51A	11/02/12	CLR	N	N	N	UT-12-1044 (Page 6)

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O1.G12.1.0007	1-PDA1-11	51A	11/02/12	CLR	N	N	N	UT-12-1051 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1051 (Page 2)
		51A	11/02/12	CLR	N	N	N	UT-12-1051 (Page 3)
		51A	11/02/12	CLR	N	N	N	UT-12-1051 (Page 4)
		51A	11/02/12	CLR	N	N	N	UT-12-1051 (Page 5)
		51A	11/02/12	CLR	N	N	N	UT-12-1051 (Page 6)
O1.G12.1.0008	1-PDA2-11	51A	11/02/12	CLR	N	N	N	UT-12-1049 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1049 (Page 2)
		51A	11/02/12	CLR	N	N	N	UT-12-1049 (Page 3)
		51A	11/02/12	CLR	N	N	N	UT-12-1049 (Page 4)
		51A	11/02/12	CLR	N	N	N	UT-12-1049 (Page 5)
		51A	11/02/12	CLR	N	N	N	UT-12-1049 (Page 6)
O1.G12.2.0001	1-RPV-WR53	50		CLR	Y	N	N	UT-NA Reference Areva Report #51-913316-000 for results.
O1.G12.2.0002	1-RPV-WR53A	50		REC	Y	N	N	UT-NA Reference Areva Report #51-913316-000 for results.
O1.G12.2.0013	1-PIA1-11	50	11/02/12	CLR	N	N	N	UT-12-1036 (Page 1)

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O1.G12.2.0013	1-PIA1-11	50	11/02/12	CLR	N	N	N	UT-12-1036 (Page 2)
		50	11/02/12	CLR	N	N	N	UT-12-1036 (Page 3)
		50	11/02/12	CLR	N	N	N	UT-12-1036 (Page 4)
		50	11/02/12	CLR	N	N	N	UT-12-1036 (Page 5)
		50	11/02/12	CLR	N	N	N	UT-12-1036 (Page 6)
O1.G12.2.0014	1-PIA2-11	50	11/02/12	CLR	N	N	N	UT-12-1037 (Page 1)
		50	11/02/12	CLR	N	N	N	UT-12-1037 (Page 2)
		50	11/02/12	CLR	N	N	N	UT-12-1037 (Page 3)
		50	11/02/12	CLR	N	N	N	UT-12-1037 (Page 4)
		50	11/02/12	CLR	N	N	N	UT-12-1037 (Page 5)
O1.G12.2.0015	1-PIB2-11	50	11/02/12	CLR	N	N	N	UT-12-1038 (Page 1)
		50	11/02/12	CLR	N	N	N	UT-12-1038 (Page 2)
		50	11/02/12	CLR	N	N	N	UT-12-1038 (Page 3)
		50	11/02/12	CLR	N	N	N	UT-12-1038 (Page 4)
		50	11/02/12	CLR	N	N	N	UT-12-1038 (Page 5)
		50	11/02/12	CLR	N	N	N	UT-12-1038 (Page 6)

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O1.G2.1.0001	1-PDB1-46	51A	11/01/12	CLR	N	N	N	UT-12-1018 (Page 1)
		51A	11/01/12	CLR	N	N	N	UT-12-1018 (Page 2)
O1.G2.1.0002	1-PDA2-46	51A	11/02/12	CLR	N	N	N	UT-12-1020 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1020 (Page 2)
O1.G2.1.0003	1-PDA1-46	51A	11/02/12	CLR	N	N	N	UT-12-1021 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1021 (Page 2)
O1.G2.1.0004	1-PDB2-46	51A	11/01/12	CLR	N	N	N	UT-12-1019 (Page 1)
		51A	11/01/12	CLR	N	N	N	UT-12-1019 (Page 2)
O1.G2.1.0005	1-PDA1-11	51A	11/02/12	CLR	N	N	N	UT-12-1052 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1052 (Page 2)
		51A	11/02/12	CLR	N	N	N	UT-12-1052 (Page 3)
		51A	11/02/12	CLR	N	N	N	UT-12-1052 (Page 4)
		51A	11/02/12	CLR	N	N	N	UT-12-1052 (Page 5)
		51A	11/02/12	CLR	N	N	N	UT-12-1052 (Page 6)
O1.G2.1.0006	1-PDA2-11	51A	11/02/12	CLR	N	N	N	UT-12-1048 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1048 (Page 2)

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O1.G2.1.0006	1-PDA2-11	51A	11/02/12	CLR	N	N	N	UT-12-1048 (Page 3)
		51A	11/02/12	CLR	N	N	N	UT-12-1048 (Page 4)
		51A	11/02/12	CLR	N	N	N	UT-12-1048 (Page 5)
		51A	11/02/12	CLR	N	N	N	UT-12-1048 (Page 6)
O1.G2.1.0007	1-PDB2-11	51A	11/02/12	CLR	N	N	N	UT-12-1045 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1045 (Page 2)
		51A	11/02/12	CLR	N	N	N	UT-12-1045 (Page 3)
		51A	11/02/12	CLR	N	N	N	UT-12-1045 (Page 4)
		51A	11/02/12	CLR	N	N	N	UT-12-1045 (Page 5)
		51A	11/02/12	CLR	N	N	N	UT-12-1045 (Page 6)
O1.G2.1.0008	1-PDB1-11	51A	11/02/12	CLR	N	N	N	UT-12-1043 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1043 (Page 2)
		51A	11/02/12	CLR	N	N	N	UT-12-1043 (Page 3)
		51A	11/02/12	CLR	N	N	N	UT-12-1043 (Page 4)
		51A	11/02/12	CLR	N	N	N	UT-12-1043 (Page 5)
		51A	11/02/12	CLR	N	N	N	UT-12-1043 (Page 6)
O1.G2.1.0009	1-PDA1-47	51A	11/02/12	CLR	N	N	N	UT-12-1050 (Page 1)

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O1.G2.1.0009	1-PDA1-47	51A	11/02/12	CLR	N	N	N	UT-12-1050 (Page 2)
		51A	11/02/12	CLR	N	N	N	UT-12-1050 (Page 3)
		51A	11/02/12	CLR	N	N	N	UT-12-1050 (Page 4)
		51A	11/02/12	CLR	N	N	N	UT-12-1050 (Page 5)
		51A	11/02/12	CLR	N	N	N	UT-12-1050 (Page 6)
O1.G2.1.0010	1-PDB2-47	51A	11/02/12	CLR	N	N	N	UT-12-1046 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1046 (Page 2)
		51A	11/02/12	CLR	N	N	N	UT-12-1046 (Page 3)
		51A	11/02/12	CLR	N	N	N	UT-12-1046 (Page 4)
		51A	11/02/12	CLR	N	N	N	UT-12-1046 (Page 5)
		51A	11/02/12	CLR	N	N	N	UT-12-1046 (Page 6)
O1.G2.1.0011	1-PDB1-47	51A	11/02/12	CLR	N	N	N	UT-12-1042 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1042 (Page 2)
		51A	11/02/12	CLR	N	N	N	UT-12-1042 (Page 3)
		51A	11/02/12	CLR	N	N	N	UT-12-1042 (Page 4)
		51A	11/02/12	CLR	N	N	N	UT-12-1042 (Page 5)
		51A	11/02/12	CLR	N	N	N	UT-12-1042 (Page 6)

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O1.G2.1.0012	1-PDA2-47	51A	11/02/12	CLR	N	N	N	UT-12-1047 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1047 (Page 2)
		51A	11/02/12	CLR	N	N	N	UT-12-1047 (Page 3)
		51A	11/02/12	CLR	N	N	N	UT-12-1047 (Page 4)
		51A	11/02/12	CLR	N	N	N	UT-12-1047 (Page 5)
		51A	11/02/12	CLR	N	N	N	UT-12-1047 (Page 6)
O1.G2.1.0013	1RC-200-161	51A	11/03/12	CLR	N	N	N	UT-12-1026 (Page 1)
		51A	11/03/12	CLR	N	N	N	UT-12-1026 (Page 2)
O1.G2.1.0014	1RC-201-101	51A	11/03/12	CLR	N	N	N	UT-12-1028 (Page 1)
		51A	11/03/12	CLR	N	N	N	UT-12-1028 (Page 2)
O1.G2.1.0015	1RC-201-105	51A	11/03/12	CLR	N	N	N	UT-12-1030 (Page 1)
		51A	11/03/12	CLR	N	N	N	UT-12-1030 (Page 2)
O1.G2.1.0016	1RC-199-154	51A	11/03/12	CLR	N	N	N	UT-12-1024 (Page 1)
		51A	11/03/12	CLR	N	N	N	UT-12-1024 (Page 2)
O1.G2.1.0017	1RC-201-92	51A	11/03/12	CLR	N	N	N	UT-12-1034 (Page 1)
		51A	11/03/12	CLR	N	N	N	UT-12-1034 (Page 2)

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O1.G2.1.0018	1RC-200-160	51A	11/02/12	CLR	N	N	N	UT-12-1014 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1014 (Page 2)
O1.G2.1.0019	1RC-201-97	51A	11/03/12	CLR	N	N	N	UT-12-1032 (Page 1)
		51A	11/03/12	CLR	N	N	N	UT-12-1032 (Page 2)
O1.G2.1.0020	1RC-199-149	51A	11/02/12	CLR	N	N	N	UT-12-1016 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1016 (Page 2)
O1.G3.1.0002	1-PSL-133	50	11/09/12	CLR	N	N	N	UT-12-1058
O1.G3.1.0003	1-PSL-142	50	11/11/12	CLR	N	N	N	UT-12-1082
O1.G4.1.0001	1RC-201-105	51A	11/03/12	CLR	N	N	N	UT-12-1031 (Page 1)
		51A	11/03/12	CLR	N	N	N	UT-12-1031 (Page 2)
O1.G4.1.0002	1RC-201-92	51A	11/03/12	CLR	N	N	N	UT-12-1035 (Page 1)
		51A	11/03/12	CLR	N	N	N	UT-12-1035 (Page 2)
O1.G4.1.0003	1RC-201-101	51A	11/03/12	CLR	N	N	N	UT-12-1029 (Page 1)
		51A	11/03/12	CLR	N	N	N	UT-12-1029 (Page 2)
O1.G4.1.0004	1RC-201-97	51A	11/03/12	CLR	N	N	N	UT-12-1033 (Page 1)
		51A	11/03/12	CLR	N	N	N	UT-12-1033 (Page 2)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O1.G4.1.0007	1RC-201-91	51A		REC	N	N	N	RT-NA Indication #9 on RT report is acceptable.
		51A	11/10/12	CLR	N	N	N	UT-12-1064
O1.G4.1.0008	1RC-201-96	51A		REC	Y	N	N	RT-NA Indication #16 on RT report is acceptable. No Relief Request required for augmented exam.
		51A	11/10/12	CLR	N	N	N	UT-12-1065
O1.G4.1.0014	1RC-200-166	51A		REC	N	0	N	RT-NA N Indications #9 and 16 on RT report are acceptable.
		51A	11/10/12	CLR	N	N	N	UT-12-1066
O1.G4.1.0018	1RC-199-150	51A		REC	N	N	N	RT-NA Indications #9 and 16 on RT report are acceptable.
		51A	11/10/12	CLR	N	N	N	UT-12-1067
O1.G4.1.0022	1RC-199-149	51A	11/02/12	CLR	N	N	N	UT-12-1017 (Page 1)
		51A	11/02/12	CLR	N	N	N	UT-12-1017 (Page 2)
O1.G4.1.0023	1RC-199-154	51A	11/03/12	CLR	N	N	N	UT-12-1025 (Page 1)
		51A	11/03/12	CLR	N	N	N	UT-12-1025 (Page 2)
O1.G4.1.0024	1RC-200-160	51A	11/02/12	CLR	N	N	N	UT-12-1015 (Page 1)

<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.G4.1.0024	1RC-200-160	51A	11/02/12	CLR	N	N	N	UT-12-1015 (Page 2)
O1.G4.1.0025	1RC-200-161	51A	11/03/12	CLR	N	N	N	UT-12-1027 (Page 1)
		51A	11/03/12	CLR	N	N	N	UT-12-1027 (Page 2)
O1.H3.1.0012	1-03-3-32B	03	11/12/12	CLR	N	N	N	UT-12-1075 (Page 1)
		03	11/12/12	CLR	N	N	N	UT-12-1075 (Page 2)
		03	11/12/12	CLR	N	N	N	UT-12-1075 (Page 3)
		03	11/11/12	CLR	N	N	N	UT-12-1089
O1.H3.1.0013	1-03-3-32G	03	11/12/12	CLR	N	N	N	UT-12-1074
		03	11/11/12	CLR	N	N	N	UT-12-1090
O1.H3.1.0014	1-03-4-23B	03	11/12/12	CLR	N	N	N	UT-12-1076
		03	11/11/12	CLR	N	N	N	UT-12-1088
O1.H3.1.0015	1-03-4-23G	03	11/12/12	CLR	N	N	N	UT-12-1077
		03	11/11/12	CLR	N	N	N	UT-12-1087
O1.H4.1.0011	1-03-0-551-H48	03	11/14/12	CLR	N	N	N	MT-12-132
		03	10/29/12	CLR	N	N	N	VT-12-1101

<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.H4.1.0013	1-03-0-439A-H61	03	11/19/12	CLR	N	N	N	VT-12-1107 Limited visual performed. MT and PT exams not possible. Reference PIP O-12-13219.
O1.H4.1.0020	1-FPA-25	03	11/15/12	CLR	N	N	N	VT-12-1103
O1.H4.1.0021	1-FPA-27	03	11/17/12	CLR	N	N	N	VT-12-1104
G1.H4.1.0033	1-01A-0-550-H17	01A	11/06/12	CLR	N	N	N	VT-12-1097
O1.H4.1.0034	1-01A-0-550-H18	01A	10/29/12	CLR	N	N	N	VT-12-1080
O1.H4.1.0035	1-01A-0-550-R10	01A	11/08/12	CLR	N	N	N	MT-12-128
		01A	10/30/12	REC	N	N	N	VT-12-1084 Acceptable for continued service per Engineering Evaluation. Discrepancy noted was not service induced.
O1.H4.1.0036	1-01A-0-550-H19	01A	10/28/12	CLR	N	N	N	VT-12-1072
O1.H4.1.0039	1-01A-0-550-R12	01A	10/30/12	CLR	N	N	N	VT-12-1079
O1.H4.1.0042	1-01A-0-550-R13	01A	10/31/12	CLR	N	N	N	MT-12-126
		01A	10/28/12	CLR	Y	N	N	VT-12-1074 No Relief Request required for Augmented Exams. Piece 5 to Pipe is inaccessible for examination.
O1.H4.1.0043	1-01A-0-550-H24	01A	10/28/12	REC	N	N	N	VT-12-1073 Acceptable for continued service per Engineering Evaluation.

<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.Q1.1.0008	1-51A-07-115V	50	11/07/12	CLR	N	N	N	UT-12-1039 (Page 1)
		50	11/07/12	CLR	N	N	N	UT-12-1039 (Page 2)
		50	11/07/12	CLR	N	N	N	UT-12-1039 (Page 3)
		50	11/07/12	CLR	N	N	N	UT-12-1039 (Page 4)
		50	11/07/12	CLR	N	N	N	UT-12-1039 (Page 5)
		50	11/07/12	CLR	N	N	N	UT-12-1039 (Page 6)
		50	11/07/12	CLR	N	N	N	UT-12-1039 (Page 7)
		50	11/07/12	CLR	N	N	N	UT-12-1039 (Page 8)

5.0 Owner's Report for Repair and Replacement Activities

As required by the applicable code, records of Class 1 and Class 2 Repair and Replacement work is included in the NIS-2 forms in this section. Attachment A lists the NIS-2 forms that were completed during 1EOC27 and items completed during 1EOC26 that were not included in that report.

There were work orders completed during 1EOC-27 that the reviews were not completed nor were the NIS-2 forms generated in time to be submitted in this report. PIP O-13-00367 was generated to document the work orders that will not have NIS-2 forms included in this report. These NIS-2 forms will be included in the next report.

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

5.1 Class 1 and 2 Preservice Examinations

As required by the applicable code, Preservice Inspection (PSI) Examinations were performed on ISI Class 1 and ISI Class 2 items during this report period. PSI examination data for items examined during 1EOC27 are filed with the Work Order and can be viewed in NEDL Portal.

NIS 2 List for 1EOC26

Work Order #	Class
Class 1	
1967097-51	1
1975469-05	1
Class 2	
1781461	2
1879954	2
1891090	2
1903385-01	2
1918044-17	2
1921726-11	2
2029364-01	2

NIS 2 List for 1EOC27

Work Order #	Class
Class 2	
2023455-10	2
2024258	2
2052487-01	2
2064964-01	2
2065387-01	2
2064673-01	2

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

As required by the provisions of the ASME Code Section XI

		Work Order Number 1967097-51	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 7/25/2011																																																																																	
3. Work Performed by Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006		Type Code Symbol Stamp Not Applicable Authorization Number Not Applicable Expiration Date Not Applicable																																																																																	
4. Identification of System, ASME Class <div style="text-align: center;">HPI, ASME Class 1</div>																																																																																			
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 <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>1-51A-478A-H6238</td> <td>DUKE</td> <td>NONE</td> <td>NONE</td> <td>NONE</td> <td>1972</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> </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)	1-51A-478A-H6238	DUKE	NONE	NONE	NONE	1972	Installed	NO																																																																
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1-51A-478A-H6238	DUKE	NONE	NONE	NONE	1972	Installed	NO																																																																												
7. Description of Work Install u-bolt																																																																																			
8. Test Conducted <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Nominal Operating Pressure <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> Other _____ </div> <div style="text-align: center;"> Pressure _____ PSI Test Temperature _____ °F </div> </div>																																																																																			

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
1967097	2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be attached)	
1	1/2" round bar, carbon stl, ASTM A36 UTC# 1976757
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 Anna W. Gin, Engineer II Date 7-25-11
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1/20/11 to 1/22/11, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Nancy C. Pettit Shyftin Commissions NB8447 ABNI
Inspector's Signature National Board, State, Province, and Endorsements
Date 8/22/11

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

As required by the provisions of the ASME Code Section XI

		Work Order Number 01975469-05	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 8/2/2012																																																																																	
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 system , ASME Class 1																																																																																			
5. (a) Applicable Construction Code: <u>USAS B31.7</u> 19 <u>69</u> Edition, <u>No</u> Addenda, <u>None</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>																																																																																			
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1A Letdown Cooler ①	Graham Manufacturing Corp.	98207-1	21524	None	1996	Corrected	YES																																																																												
7. Description of Work Unit 1A Letdown Cooler was being replaced with a new cooler. As part of the preparation of the new, replacement cooler for installation, a penetrant test indication was identified in the HPI outlet nozzle vendor weld. The indication was removed by grinding. Minimum wall was not violated. No weld material was added.																																																																																			
8. Test Conducted <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Nominal Operating Pressure <input type="checkbox"/> Exempt <input checked="" type="checkbox"/> Other <u>PT</u> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> Pressure _____ PSI Test Temperature _____ °F </div>																																																																																			

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

As required by the provisions of the ASME Code Section XI

Work Order Number

01975469-05

Sheet

2 of 2

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

① Letdown Cooler installed in the 1A location, S/N 98207-1, was constructed to ASME Section III, Class 3. NIS-2 for the installation of the cooler was included with the documentation for Work Order # 1967095-01.

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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 8/2/2012
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8-17-12 to 11-20-12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Michael B. Smith
Inspector's Signature

Commissions 13048, 201, A, N, I, T, S
National Board, State, Province, and Endorsements

Date 11-20-12

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

As required by the provisions of the ASME Code Section XI

Work Order Number <u>01741861</u>	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: 8/1/2011

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

4. Identification of System, ASME Class
Emergency Feedwater, 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

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) 1-03A-480A-H5B	Duke Energy Corp	None	None	None	2011	Corrected	NO

7. Description of Work
Engineering Change EC 96725: Modify S/R's 1-03A-480A-H5B, 1-03A-480A-H3A, and 1-03-478A-NPS-H16.

8. Test Conducted
☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐ Other None
 Pressure _____ PSI Test Temperature _____ °F

As required by the provisions of the ASME Code Section XI

[illegible]

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

As required by the provisions of the ASME Code Section XI

Work Order Number 01741861

Sheet
3 of 3

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

- ① Modify existing support 1-03A-480A-H5B by removing Trunnion and adding Strut Assy.
- ② Modify existing support 1-03A-480A-H3A by removing Pipe Saddles and adding Tube Steel.
- ③ Modify existing support 1-03-478A-NPS-H16 by removing Trunnion and adding Tube Steel, Angle & Flat Bar.

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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 Blake H. Jarett Senior Technical Specialist Date 8/1/2011
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/26/12 to 11/26/12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Nancy Ritchie Skyles
Inspector's Signature

Commissions NB8447 NC1169 ASME IS
National Board, State, Province, and Endorsements

Date 11/26/12

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

As required by the provisions of the ASME Code Section XI

		Work Order Number 01879954	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 4/22/2011																																																																																									
3. Work Performed by Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006		Type Code Symbol Stamp Not Applicable Authorization Number Not Applicable Expiration Date Not Applicable																																																																																									
4. Identification of System, ASME Class TRANSFER CANAL DRAIN TO LPI, ASME Class 2																																																																																											
5. (a) Applicable Construction Code: <u>USAS B31.7</u> 19 <u>69</u> Edition, <u>N/A</u> Addenda, <u>N/A</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>																																																																																											
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ILP-24	Mackson Inc	UKN	UKN	Heat# 7327604 See remarks	UKN	Corrected	NO																																																																																				
7. Description of Work Replaced Bonnet/Body Bolting																																																																																											
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

01879954

Sheet

2 of 2

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

① Threaded Rod, CID 0297414, UTC 01976736, (7/8 - 9 X 6' All Thread Rod, SA 193 Grade B-7). Data Report 6 pages

② Nuts, CID 0131797, UTC 01976747, (7/8 - 9 Heavy Hex Nut, SA 194 Grade 2H). Data Report 8 pages

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization Number

Not Applicable

Expiration Date

Not Applicable

Signed

Robert Bell

Robert Bell, Tech Spec IV, 4/23/2011

Date

4-23-2011

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-22-11 to 11-19-12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions

13048, 201, A, N, I, I, S
National Board, State, Province, and Endorsements

Date

11-19-12

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

As required by the provisions of the ASME Code Section XI

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Work Order Number 01891090</td> <td style="width: 50%; text-align: center;">Sheet 1 of 2</td> </tr> </table>				Work Order Number 01891090	Sheet 1 of 2																																																																														
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		Unit ONS - 1	Date 6/14/2011																																																																																
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Piping	DEC	None	None	None	2011	Installed	NO																																																																												
7. Description of Work EC99955 - Replace 6" HPI pump suction block valves 1HP-103, -107 and -111 with 6" ball valves and install new 6" valve 1HP-993. 3/4" relief valve piping is modified and new 1/2", Class B, vent valves installed.																																																																																			
8. Test Conducted <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Nominal Operating Pressure <input type="checkbox"/> Exempt <input type="checkbox"/> Other _____ </div> <div> Pressure _____ PSI Test Temperature <u>N.O.T.</u> °F </div> </div>																																																																																			

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

As required by the provisions of the ASME Code Section XI

Work Order Number

01891090

Sheet

2 of 2

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

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10 *VT-2 EXAM V.I.D 1936359

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ Not Applicable

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

Signed William W Foster Jr. William W Foster Jr. / Engineer III Date 6/15/2011
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-1-11 to 11-18-12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mark E. Zurbuch
Inspector's Signature
MARK E. ZURBUCH
Date 11-18-12

* Commissions 1304B, 201, ANI IS
National Board, State, Province, and Endorsements

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

As required by the provisions of the ASME Code Section XI

		Work Order Number 01903385-01	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 7/26/2011																																																																																									
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(1) Support I-53B-0-435C-DE086	Duke Energy Corp	None	None	None	2011	Corrected	NO																																																																																				
7. Description of Work Engineering Change EC 102862: Modify S/R I-53B-0-435C-DE086: Install new wing plates/stiffeners, concrete anchors and angle.																																																																																											
8. Test Conducted <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Nominal Operating Pressure <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> Other <u>None</u> </div> <div> Pressure _____ PSI Test Temperature _____ °F </div> </div>																																																																																											

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

As required by the provisions of the ASME Code Section XI

Work Order Number

01903385-01

Sheet

2 of 2

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

① Modify existing support I-53B-0-435C-DE086 by installing new wing plates/stiffeners, concrete anchors and 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 *Bruce H. Tarrett* Senior Technical Specialist Date 7/26/2011
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10.30.10 to 11.18.12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mark E. Zurbuch
Inspector's Signature
Date 11/18/12
MARK E. ZURBUCH

Commissions

103-13048, 201, A, N, I, IS
National Board, State, Province, and Endorsements

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

As required by the provisions of the ASME Code Section XI

Per E-Mail CCW

		Work Order Number 1918044 - 17	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 5/2/2011					
3. Work Performed by Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006		Type Code Symbol Stamp Not Applicable					
		Authorization Number Not Applicable					
		Expiration Date Not Applicable					
4. Identification of System, ASME Class Unit 1 "C" High Pressure Injection Pump, ASME Class 2							
5. (a) Applicable Construction Code: <u>USAS B31.7</u> 19 <u>68</u> Edition, <u>06/68</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)
(4) Stud, Double Ended	UNK	UNK	UNK	UNK	UNK	Removed	NO
(1) Seal, PTO, N	UNK	UNK	UNK	UNK	UNK	Removed	NO
(4) Stud, Double Ended	UNK	UNK	UNK	S/C# 204747 UTC# 969620	UNK	Installed	NO
(1) Seal, PTO, N	UNK	UNK	UNK	S/C# 579664 UTC# 1929417	UNK	Installed	NO
7. Description of Work The 1C HPI Motor is being replaced under WO 1918044. As a result of this replacement, the mechanical seal is also being replaced within the work scope.							
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

Per E-mail
CCW

Work Order Number WCL
1918044 -17

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 Charles W. Conley, Engineer III Date 5/2/2011
Owner or Owner's Designee Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/12/11 to 10/30/12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions 13048, 201, A, N, I, IS
National Board, State, Province, and Endorsements

Date 10/30/12

As required by the provisions of the ASME Code Section XI

As required by the provisions of the ASME Code Section XI

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

As required by the provisions of the ASME Code Section XI

Work Order Number

1921726

Sheet

2 of 2

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

① Weld 1-BS-41-116: 1/16" ER316L Filler UTC# 1919607, 3/32" ER316L Filler UTC# 1969876
Weld 1-BS-41-117: 1/16" ER316L Filler UTC# 1919607, 3/32" ER316L Filler UTC# 1969876

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* PIP O-11-~~81032~~ ⁸¹⁰³² REC 11-20-12

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 2/1/2012

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-31-11 to 11-20-12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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


Inspector's Signature

* Commissions

13048, 201, A, N, I, I, S
National Board, State, Province, and Endorsements

Date 11-20-12

MARK E. ZURBUCH

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

As required by the provisions of the ASME Code Section XI

		Work Order Number 2029364-01	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 5/31/2012																																																																																	
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																																																																																	
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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>																																																																																			
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Piping	DECo	None	None	See Remarks	2012	Corrected	NO																																																																												
7. Description of Work 4" elbow downstream of 1HP-72 replaced due to through wall flaw, 1" pipe cap replaced to facilitate weld purge.																																																																																			
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

2029364-01

Sheet

2 of 2

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

① 1" 3000lb pipe cap, SA182 F304, UTC# 1996668
4" Sch 10S elbow, SA 403 WP304, UTC# 1831198

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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 5/31/2012

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SOUTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-28-12 to 11-24-12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions

13048, 201, A, N, E, IS
National Board, State, Province, and Endorsements

Date 11-24-12

MARK E. ZURBUCH

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

As required by the provisions of the ASME Code Section XI

Work Order Number 02023455-10	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 11/15/2012
---	--	---------------------------------------

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 1B1 RCP Motor Air Coolers (RCPMAC) Lower, ASME Class 2
--

5.	(a) Applicable Construction Code: <u>USAS B31.1</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)
1B1 RCPMLAC bolting (1)	Duke	Unknown	None	None	2012	Installed	NO

7. Description of Work Work on the 1B1 RCP Motor Coolers (tube cleaning) required removal of the cooler waterbox and disassembling the Low Pressure Service (LPSW) piping from the coils. The 1/2-inch dia. waterbox bolting material required replacement due to surface degradation & maintenance convenience.

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

As required by the provisions of the ASME Code Section XI

Work Order Number

02023455-10

Sheet

2 of 2

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

① Replaced RCP Motor Air Cooler waterbox studs and nuts. - Nuts, Hex, Heavy Hex, 1/2", 13 UNC-2B, Carbon Steel, ASME SA194 Gr 2H, ANSI B18.2.2, ASME SA 194 Gr 2H, Duke Energy Catalog ID 313135, UTC # 0001987147.*
- Studs - cut from Rod, Threaded, 1/2", 13 UNC-2A, Alloy Steel, ASME SA193 Gr B7, Duke Energy Catalog ID # 297411, UTC # 0001935521.*

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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 Nov. 15, 2012
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12/5/12 to 12/5/12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Nancy C. Pritchard
Inspector's Signature

Commissions NB8447 NC1169 ABNI IS
National Board, State, Province, and Endorsements

Date 12/5/12

As required by the provisions of the ASME Code Section XI

					Work Order Number 02024258		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 11/9/2012	
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 Liquid Waste Disposal, 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)	
1LWD-2	ITT Grinnell	Bonnet SR# LBVH-6	UNK	See Remarks	UNK	Corrected	NO	
7. Description of Work Replaced Bonnet Assembly								
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

02024258

Sheet

2 of 2

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

① CID# 466550, UTC# 1986425 Replaced Bonnet Assembly, Data Report Attached

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ Not Applicable

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

Signed Robert Bell Robert Bell / Senior Tech Specialist Date 11/9/2012
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/22/12 to 11/22/12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Nancy C. Ritchie-Slaughter
Inspector's Signature

Commissions NB8447 NC1169 ABNI IS
National Board, State, Province, and Endorsements

Date 11/22/12

As required by the provisions of the ASME Code Section XI

[illegible]

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

As required by the provisions of the ASME Code Section XI

Work Order Number

2052487-01

Sheet

2 of 2

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

1 Replaced 7/8" body to bonnet nuts (UTC 1961095) and studs (UTC 2003484) with like material.

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization Number

Not Applicable

Expiration Date

Not Applicable

Signed

John T. Kim

Date

11/12/12

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/24/12 to 11/24/12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Dorey C. Roberts
Inspector's Signature

Commissions

NB8447 NC1169 ABNI IS

National Board, State, Province, and Endorsements

Date

11/24/12

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

As required by the provisions of the ASME Code Section XI

<table border="1" style="display: inline-table; width: 150px;"> <tr> <td style="padding: 2px;">Work Order Number</td> <td style="text-align: center; padding: 2px;">2064964-01</td> </tr> </table> <table border="1" style="display: inline-table; width: 100px; margin-left: 10px;"> <tr> <td style="padding: 2px;">Sheet</td> <td style="text-align: center; padding: 2px;">1 of 2</td> </tr> </table>					Work Order Number	2064964-01	Sheet	1 of 2																																																																										
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7. Description of Work Body to bonnet bolting replaced as part of leakage repair.																																																																																		
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Form NIS-2 Owner's Report for Repair/Replacement Activity

As required by the provisions of the ASME Code Section XI

Work Order Number

2064964

Sheet

2 of 2

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

① (8) 5/8" Studs, SA193 Gr B7, UTC# 200449 and (16) 5/8" Nuts, SA194 Gr 2H, UTC# 1997880

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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 11/29/2012
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12/5/12 to 12/5/12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Wendy C. Rittler
Inspector's Signature

Commissions dB8447NC1169ABNI IS
National Board, State, Province, and Endorsements

Date 12/5/12

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
2065387-01	1 of 2

1. Owner	2. Plant	Unit
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 1
		Date
		11/29/2012

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

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

5.
(a) Applicable Construction Code: <u>USAS B31.1</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)
1LPSW-13	Crane	UNK	UNK	See Remarks (1)	UNK	Corrected	NO

7. Description of Work
Body to bonnet bolting replaced as part of leakage repair

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

2065387-01

Sheet

2 of 2

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

① (8) SA193 Gr B7 Studs, UTC# 2000449 and (16) SA194 Gr 2H Nuts, UTC# 1997880

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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 11/29/2012

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1/10/13 to 1/10/13, 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.

Nancy C. Rittler-Slaughter
Inspector's Signature

Commissions NB8447 NC1169 ABNI IS
National Board, State, Province, and Endorsements

Date 1/10/2013

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

As required by the provisions of the ASME Code Section XI

Work Order Number 2064673-01	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 11/29/2012
---	--	---------------------------------------

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: <u>USAS B31.1</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)
1LPSW-1058	Flowserve	UNK	N/A	See Remarks (1)	UNK	Corrected	NO

7. Description of Work Body to bonnet bolting replaced due to corrosion from condensation
--

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

2064673-01

Sheet

2 of 2

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

① (12) 5/8" Studs, SA193 Gr B7, UTC# 2000449 and (12) 5/8" Nuts, SA194 Gr 2H, UTC# 1997880

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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 11/29/2012
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1/10/13 to 1/10/13, 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.

Nancy C. Ritchie-Slaughter
Inspector's Signature

Commissions NB8447 NCL169 AB NIS
National Board, State, Province, and Endorsements

Date 1/10/2013

6.0 **Pressure Testing**

This section contains a pressure test completion status for the examinations required during refueling outage 1EOC27 and the examinations required during the third period of the fourth ten-year interval. There was no through-wall leakage observed during any of these pressure tests.

Table 6-1 shows a completion status of pressure test zones conducted during the third period of the fourth ten-year interval. There are nine Class 2 Zones remaining to be examined prior to the end of the interval which is July 15, 2014.

Table 6-1				
<i>Examination Category</i>	<i>Test Requirement</i>	<i>Total Examinations Required For This Period</i>	<i>Total Examinations Credited For This Period</i>	<i>Total Examinations Remaining</i>
B-P	System Leakage Test (IWB-5220)	8	8	0
C-H	System Leakage Test (IWC-5220)	54	45	9

The Class 1 (Category B-P) leakage test zone is required each refueling outage. Table 6-2 shows the completion details of the Class 1 (Category B-P) leakage test zone conducted during refueling outage EOC27.

Table 6-2 Class 1					
	Zone Number	Boundary Dwg	3 rd Period Completion Status	VT-2 Examination Date	Code Case(s) Used
1	OZ1L-1A	O-ISIL4-100A-1.1 O-ISIL4-100A-1.2 O-ISIL4-100A-1.3 O-ISIL4-101A-1.1 O-ISIL4-101A-1.4 O-ISIL4-101A-1.5 O-ISIL4-102A-1.1 O-ISIL4-102A-1.3 O-ISIL4-110A-1.1 O-ISIL4-110A-1.4	Complete	11/28/2012	N-566-2
2	OZ1L-1AA	O-ISIL4-101A-1.4	Complete	11/28/2012	N-566-2
3	OZ1L-1Z	O-ISIL4-101A-1.4	Complete	11/28/2012	N-566-2
4	OZ1L-16	O-ISIL4-102A-1.2 O-ISIL4-102A-1.3	Complete	11/28/2012	N-566-2

The Class 2 (Category C-H) leakage test zones are required each period. Table 6-3 shows the completion details of the Class 2 (Category C-H) 3rd Period leakage test zones completed through refueling outage EOC-27.

Table 6-3 Class 2					
	Zone Number	Boundary Dwg	3 rd Period Completion Status	VT-2 Examination Date	Code Case(s) Used
1	IZ1L-10	O-ISIL4-101A-1.3	Complete	04/02/2011	None
2	IZ1L-11	O-ISIL4-101A-1.3	Complete	04/02/2011	None
3	IZ1L-12	O-ISIL4-101A-1.4 O-ISIL4-101A-1.3	Incomplete	NA	NA
4	IZ1L-13	O-ISIL4-101A-1.3	Complete	09/19/2011	None
5	IZ1L-14A	O-ISIL4-101A-1.3	Complete	05/31/2011	N-566-2
6	IZ1L-14B	O-ISIL4-101A-1.3	Complete	05/31/2011	N-566-2
7	IZ1L-20	O-ISIL4-101A-1.3	Complete	09/25/2012	N-566-2
8	IZ1L-21	O-ISIL4-104A-1.2	Complete	06/06/2011	N-566-2
9	IZ1L-22	O-ISIL4-101A-1.3 O-ISIL4-102A-1.1 O-ISIL4-102A-1.2 O-ISIL4-104A-1.2 O-ISIL4-106A-1.2	Incomplete	NA	NA
10	IZ1L-24	O-ISIL4-102A-1.1 O-ISIL4-103A-1.1	Complete	09/29/2012	N-566-2
11	IZ1L-25	O-ISIL4-102A-1.1 O-ISIL4-103A-1.1	Incomplete	NA	NA

Table 6-3 Class 2					
	Zone Number	Boundary Dwg	3 rd Period Completion Status	VT-2 Examination Date	Code Case(s) Used
12	IZ1L-4	O-ISIL4-101A-1.1	Incomplete	NA	NA
13	IZ1L-40	O-ISIL4-109A-1.1	Incomplete	NA	NA
14	IZ1L-41	O-ISIL4-109A-1.1	Incomplete	NA	NA
15	IZ1L-48	O-ISIL4-122A-1.4 O-ISIL4-122A-1.1 O-ISIL4-122A-1.2 O-ISIL4-122A-1.3 O-ISIL4-122B-3.1	Incomplete	NA	NA
16	IZ1L-5	O-ISIL4-101A-1.1 O-ISIL4-101A-1.3	Incomplete	NA	NA
17	IZ1L-60	O-ISIL4-124B-3.2 O-ISIL4-124B-3.4	Incomplete	NA	NA
18	OZ1L-14B	O-ISIL4-101A-1.3 O-ISIL4-101A-1.4	Complete	05/31/2011	N-566-2
19	OZ1L-15	O-ISIL4-101A-1.4	Complete	06/08/2011	None
20	OZ1L-16	O-ISIL4-101A-1.4	Complete	11/28/2012	N-566-2
21	OZ1L-17	O-ISIL4-101A-1.2	Complete	06/06/2011	None
22	OZ1L-17B	O-ISIL4-101A-1.2	Complete	05/29/2011	N-566-2
23	OZ1L-18	O-ISIL4-101A-1.2	Complete	06/05/2011	None
24	OZ1L-19A	O-ISIL4-101A-1.5 O-ISIL4-104A-1.1	Complete	05/07/2011	None
25	OZ1L-19B	O-ISIL4-101A-1.5	Complete	05/06/2011	None
26	OZ1L-19C	O-ISIL4-104A-1.1	Complete	11/26/2012	None
27	OZ1L-1A	O-ISIL4-100A-1.1 O-ISIL4-100A-1.2 O-ISIL4-100A-1.3 O-ISIL4-101A-1.1 O-ISIL4-101A-1.4 O-ISIL4-101A-1.5 O-ISIL4-102A-1.1 O-ISIL4-102A-1.3 O-ISIL4-110A-1.1 O-ISIL4-110A-1.4	Complete	11/28/2012	N-566-2
28	OZ1L-2	O-ISIL4-100A-1.3 O-ISIL4-101A-1.1 O-ISIL4-101A-1.4 O-ISIL4-101A-1.5	Complete	06/07/2011	None
29	OZ1L-21	O-ISIL4-102A-1.1 O-ISIL4-102A-1.2	Complete	06/06/2011	N-566-2
30	OZ1L-23	O-ISIL4-101A-1.2 O-ISIL4-102A-1.1 O-ISIL4-102A-1.2	Complete	11/25/2012	N-566-2
31	OZ1L-26	O-ISIL4-102A-1.2	Complete	11/26/2012	None

Table 6-3 Class 2					
	Zone Number	Boundary Dwg	3 rd Period Completion Status	VT-2 Examination Date	Code Case(s) Used
32	OZ1L-27A	O-ISIL4-102A-1.2	Complete	06/05/2011	N-566-2
33	OZ1L-27B	O-ISIL4-102A-1.1 O-ISIL4-102A-1.2	Complete	06/06/2011	None
34	OZ1L-28	O-ISIL4-102A-1.2	Complete	06/06/2011	None
35	OZ1L-29	O-ISIL4-102A-1.2	Complete	06/06/2011	None
36	OZ1L-29A	O-ISIL4-102A-1.2 O-ISIL4-102A-1.3	Complete	06/06/2011	None
37	OZ1L-3	O-ISIL4-101A-1.1	Complete	06/08/2011	None
38	OZ1L-30	O-ISIL4-102A-1.2	Complete	06/06/2011	None
39	OZ1L-30A	O-ISIL4-102A-1.2 O-ISIL4-102A-1.3	Complete	06/06/2011	N-566-2
40	OZ1L-31A	O-ISIL4-102A-1.3	Complete	11/28/2012	N-566-2
41	OZ1L-31B	O-ISIL4-102A-1.3	Complete	11/28/2012	N-566-2
42	OZ1L-31C	O-ISIL4-102A-1.3	Complete	04/26/2011	None
43	OZ1L-34	O-ISIL4-104A-1.1	Complete	04/07/2011	None
44	OZ1L-39	O-ISIL4-104A-1.1	Complete	11/01/2012	None
45	OZ1L-42A	O-ISIL4-110A-1.1	Complete	11/28/2012	None
46	OZ1L-42B	O-ISIL4-110A-1.1	Complete	11/28/2012	None
47	OZ1L-44	O-ISIL4-110A-1.1 O-ISIL4-121B-1.3 O-ISIL4-121B-1.5 O-ISIL4-121D-1.1 O-ISIL4-121D-1.2 O-ISIL4-122A-1.1 O-ISIL4-133A-2.5	Complete	11/28/2012	N-566-2
48	OZ1L-6	O-ISIL4-101A-1.2 O-ISIL4-110A-1.1 O-ISIL4-109A-1.1	Complete	06/06/2011	N-566-2
49	OZ1L-6B	O-ISIL4-101A-1.2	Complete	11/16/2012	None
50	OZ1L-64	O-ISIL4-124B-1.2	Complete	06/08/2011	None
51	OZ1L-65	O-ISIL4-124B-1.4	Complete	06/08/2011	None
52	OZ1L-7	O-ISIL4-101A-1.2 O-ISIL4-101A-1.3	Complete	05/29/2011	N-566-2
53	OZ1L-7B	O-ISIL4-101A-1.3 O-ISIL4-102A-1.2	Complete	05/29/2011	N-566-2
54	OZ1L-9	O-ISIL4-101A-1.3 O-ISIL4-102A-1.2	Complete	06/06/2011	None