

DAVE BAXTER Vice President Oconee Nuclear Station

Duke Energy ONO1VP / 7800 Rochester Highway Seneca, SC 29672

**864-873-4460** 864-873-4208 fax dave.baxter@duke-energy.com

August 27, 2010

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

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

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

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

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

Sincerely,

Dave Baxter, Site Vice-President Oconee Nuclear Station

Attachment

U. S. Nuclear Regulatory Commission August 27, 2010 Page 2

xc wo/attachment:

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

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

Andy Sabisch NRC Senior Resident Inspector Oconee Nuclear Station

# INSERVICE INSPECTION REPORT

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



# Owner's Report For INSERVICE INSPECTIONS

# OCONEE UNIT 2 2010 REFUELING OUTAGE EOC24 (OUTAGE 4)

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

NRC Docket No. 50-270

Commercial Service Date: September 9, 1974

Document Completion Date 7-30-2010

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

**Revision** 0

Prepared By:	Karry Co Keith	Date	7-20-10
Reviewed By:	Stury D Sculoro	Date	7-20-10
Approved By:	Marka	Date	7/22/10

As required by the Provisions of the ASME Code Rules					
1. Owner: <u>D</u>	<u>ıke Energy Caroli</u>	nas, 526 S. Church S		28201-1006	
		(Name and Address	of Owner)		
2. Plant: Oc	onee Nuclear Stat	tion, 7800 Rochester	Highway, Seneca,	SC 29672	
		(Name and Address			
3. Plant Unit	:: 2 4. Owner	· Certificate of Auth	orization (if require	d) N/A	
		· · · · · · · · · · · · · · · · · · ·		~~) <u></u>	
5. Commerci	al Service Date: S	<u>September 9, 1974</u>	6. National Bo	ard Number for Unit <u>N</u>	
7. Componer	its Inspected:				
,					
Component or Appurtenance	Manufacturer Installer	Manufacturer Installer Serial	State or Province No.	National Board No.	
Appunenance	Installer	No.	Province No.	board no.	
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Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is  $8^{1}/2$  in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Total number of pages contained in this report 177

### FORM NIS-1 (Back)

	Examination Dates December 12, 20008 to to May 30, 2010
9.	Inspection Period Identification: Second Period
10	Inspection Interval Identification: Fourth Interval
11	Applicable Edition of Section XI 1998 Addenda 2000
12	Date/Revision of Inspection Plan: January 26, 2008 / Revision 1
13	Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. <u>See Sections 2.0, 3.0 and 6.0</u>
14	Abstract of Results of Examination and Tests. See Sections 4.0 and 6.0
	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 et the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken form to the rules of the ASME Code, Section XI.
Ce	rtificate of Authorization No. (if applicable) <u>NA</u> Expiration Date <u>NA</u>
Da	te 7/22/10 Signed Duke Energy By Meuloch
	Owner
	CERTIFICATE OF INSERVICE INSPECTION
Ve St be the Se or Re	he undersigned, holding a valid commission issued by the National Board of Boiler and Pressure seel Inspectors and the State or Province of <u>SourH Creduan</u> employed by <u>HSB Global</u> indards have inspected the components described in this Owner's Report during the period <u>12-12-08</u> to <u>5-30-10</u> , and state that to the best of my knowledge and ief, the Owner has performed examinations and tests and taken corrective measures described in Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, tion XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed mplied, concerning the examinations, test, and corrective measures described in this Owner's port. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any sonal injury or property damage or a loss of any kind arising from or connected with this inspection Mational Board, State, Province, and Endorsements

#### DISTRIBUTION LIST

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

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

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#### 1.0 General Information

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

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

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

#### 1.1 Identification Numbers

EOC 24 Refueling Outage Report Oconee Unit 2 Section 1 Page 1 of 4 Revision 0 July 14, 2010

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

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#### 1.2 <u>Reference Documents</u>

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

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

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

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

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

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

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

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

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

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

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

Page 3 of 4 Revision 0 July 14, 2010 Duke Power Company Problem Investigation Process Report O-10-02605. This PIP was written to track the evaluation process and resolution for limited coverage on UT examinations of welds that were inspected during EOC-24 for Unit 2. This will include processing relief request if it is determined that greater than ninety percent of coverage cannot be achieved. The welds with limited coverage are listed in Section 4.4 of this report.

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

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

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

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

Request for Relief 03-006 (Allows Duke an Alternative for the Snubber Examinations required in IWF-5000 for the 4<sup>th</sup> 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)

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#### 2.0 Fourth Ten Year Interval Inspection Status

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

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

#### **Class 1 Inspections**

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

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#### **Class 1 Inspections (Continued)**

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

#### Weld Overlay per Section XI Appendix Q

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

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



#### **Class 2 Inspections**

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

(1) Inspected under Selected License Commitment 16.9.18 per Relief Request 03-006.(2) Totals changed from 38 in EOC-23 to 41 in EOC-24 due to supports being added. See Plan Addenda ONS2-089 for details on the changes.

(3) Totals changed from 164 in EOC-23 to 160 in EOC-24 due to adopting Code Case N-663. See Plan Addenda ONS2-091, and PIP G-08-00185 for details on the changes.

(4) Totals changed from 66 in EOC-23 to 65 in EOC-24 due to adopting Code Case N-663. See Plan Addenda ONS2-091, and PIP G-08-00185 for details on the changes.

(5) Totals changed from 137 in EOC-23 to 141 in EOC-24 due to adding supports to schedules. See Plan Addenda ONS2-089, and ONS2-096 for details on the changes.

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#### Augmented/Elective Inspections

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

EOC 24 Refueling Outage Report Oconee Unit 2 Section 2 Page 4 of 4 Revision 0 July 14, 2010

#### 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.

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EOC 24 Refueling Outage Report Oconee Unit 2 Section 3 Page 1 of 1 Revision 0 July 14, 2010 ScheduleWorks

#### DUKE ENERGY NUCLEAR TECHNICAL SERVICES Inservice Inspection Database Management System <u>Plan Report</u>

Oconee 2, 4th Interval, Outage 4 (EOC-24)

This report includes all changes through addendum ONS2-107

Summary Num	Component ID Class / Systen		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0001	2RC-278-66								
Dissimilar	Class 1 50	2RC-278 OM 1201-1469 OM 1201-1472	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		
			Pipe to Safe E	End					
			Hot Leg. (Examine the Per the requir ASME Code ( Bare Metal Vi Code Case N	Nozzle to S ements of 7 Case N-722 sual Inspec -722.	Safe-End weld a 10 CFR 50.55a subject to the o tion by VT-2 qu	nd the Safe- g) (6) (ii) (E conditions sp alified inspec	End to Pipe weld all licensees of ecified in paragr ctor per the requ	d.) f PWRs shall augment th aphs (g) (6) (ii) (E) 2 thro	em numbers listed in Table 1 of

Oconee 2, 4th Interval, outage 4 (EOC-24)

Category Aug         O2.B15.210.0002       2RC-278-70V Class 1 50       2RC-278 OM 1201-1469       NDE-68       VT-2       CS-Inconel       0.250 / 1.000         Dissimilar       OM 1201-1479       Pipe to Safe End       1 inch HL SB-166 Pressure Tap SE to CS Nazzle weld and SS pipe weld. This weld is located on piping that branches off of "At Hot Leg, (Examine the Nazzle to Safe-End weld and the Safe-End to Pipe weld.)         Per the requirements of 10 CFR 50.55a (2) (6) (0) (-(C) at licensees of PWRs shall augment their ISI program implementing ASM Coat Case N-722. ubglet to the combiners apecified in paragraphs (a) (b) (0) (-(C) 2 through 4.         O2.B15.210.0003       2RC-277-50       Presonel performing in deticition of bornace Criteria is "no evidence of borated water leakage." This B15.210.0003       2RC-277-50         O2.B15.210.0003       2RC-277-50       NDE-68       VT-2       CS-inconel       0.250 / 1.000         O2.B15.210.0003       2RC-277-50       OM 1201-1472       NDE-68       VT-2       CS-inconel       0.250 / 1.000         O2.B15.210.0003       2RC-277-50       Class 1 50       2RC-277       NDE-68       VT-2       CS-inconel       0.250 / 1.000         O2.B15.210.0003       2RC-277-50       Class 1 50       2RC-277       NDE-68       VT-2       CS-inconel       0.250 / 1.000         O2.B15.210.0003       2RC-277-50       Class 1 50       2RC-277       NDE-68	Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID
Class 1 50       2RC-278 OM 1201-1469       NDE-68       VT-2       CS-Incomel       0.250 / 1.000         Dissimilar       OM 1201-1472       Pipe to Safe End       1	Category Aug	•								
OM 1201-1469         Dissimilar       OM 120-1472         Pipe to Safe End         1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "At hot Leg.         (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.)         Per the requirements of 10 CFR 50.550 (g) (G) (ii) (E).2 Itnough 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.         October Depforming the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum if our hours of additional training in detection of borated water leakage."         This B15.210.0003       2RC-277-50         Class 1 50       2RC-277         OXI 120-1472         Pipe to Safe End         1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "Bt induition, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division (Case N-722)         OI 1815.210.0003       2RC-277         OI 1201-1469       NDE-68         Dissimilar       OM 120-1472         Pipe to Safe End       1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "Bt inch HL SB-166 Pressure Tap SE to CS Nozz	O2.B15.210.0002		280.278					0.250 / 1.000		· · · · · · · · · · · · · · · · · · ·
Pipe to Safe End         1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "A" Hot Leg.         (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.)         Per the requirements of 10 CFR 50.558 (0) (6) (ii) (C) all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (0) (6) (iii) (C) although 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 in four thours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting bonc acid corrosion of adjacent fermite stele components.         Procedure NDE 66, Acceptance Criteria is "no evidence of borated water leakage." This B15 210 term is to be examined each refueling outage.         For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division OM 120-1472         O2.B15.210.0003       2RC-277-60         Class 1 50       2RC-277         OM 120-1472       NDE-68       VT-2       CS-Inconel       0.250 / 1.000         Dissimilar       OM 120-1472       Pipe to Safe End       1       1       1       1       1       1       1       1       1       1       1       1	Disaintika	Class 1 50	OM 1201-1469	NDE-00	VT-2	CS-Inconer		0.2507 1.000		
<ul> <li>1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "A' Hot Leg. Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Per the requirements of 10 CFR 50.56a (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 tem numbers listed in Table 1 of Code Case N-722.</li> <li>2 Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum in four hours of additional training in detection of borated water leakage." This B15.210 tem is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division OZ.B15.210.0003 2RC-277-50 Class 1 50 2RC-277 NDE-68 VT-2 CS-Inconei 0.250 / 1.000 M1 201-1469 Dissimilar OM 1201-1469 Dissimilar Dissimilar OM 1201-1469 Dissimilar Dissimilar OM 200-1472 Pipe to Safe End 1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "B' Hot Leg. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Per the requirements of 10 CFR 50.56a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 qualified inspector per the requirements of adjacent ferritis to be examined each refueing outage. 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 allog 600/82/182 components and the resulting boric adjacent ferritis to be examined each refueing outage. Procedure NDE 66, Acceptance Criteria is "no evidence of borated water</li></ul>	Dissimilar	· .	OWI 120-1472	Pipe to Safe	End					
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 addictional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section. Nuclear Technical Services Division O2.B15.210.0003 2RC-277-50 Class 1 50 2RC-277 NDE-68 VT-2 CS-Inconel 0.250 / 1.000 OM 1201-1469 Dissimilar OM 120-1472 Pipe to Safe End 1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "B" Hot Leg. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Per the requirements of 10 CFR 50554 (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) (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 shalt 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 cach refueling outage.				1 inch HL SB Hot Leg. (Examine the Per the requi	-166 Pressu Nozzle to S rements of 1	Safe-End weld 10 CFR 50.55a	and the Saf (g) (6) (ii) (	e-End to Pipe we E), all licensees c	d.) f PWRs shall augment	their ISI program implementing
Dissimilar       This B15.210 item is to be examined each refueling outage. For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division         O2.B15.210.0003       2RC-277-50 Class 1 50       2RC-277 0 M 1201-1469 OM 1201-1469       NDE-68       VT-2       CS-Inconel       0.250 / 1.000         Dissimilar       OM 120-1472       Pipe to Safe End       1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "B" Hot Leg. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (iii) (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 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 braated water leakage." This B15.210 item is to be examined each refueling outage.				Bare Metal V Code Case N Personnel pe four hours of acid corrosion	isual Inspec I-722. rforming the additional tr n of adjacen	tion by VT-2 que visual examination by VT-2 que visual examination detection of the state of the	ualified insp ation shall I tion of bora omponents	ector per the required as VT be qualified as VT ted water leakage	irements of applicable -2 visual examiners and from alloy 600/82/182	item numbers listed in Table 1 of dishall have completed a minimum of
O2.B15.210.0003       2RC-277-50 Class 1 50       2RC-277 OM 1201-1469         Dissimilar       OM 120-1472         Pipe to Safe End       1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "B" Hot Leg.         (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.)         Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage.		•		This B15.210	item is to b	e examined ea	ch refueling	outage.	-	Nuclear Technical Services Division.
Class 1 50 2RC-277 OM 1201-1469 Dissimilar       NDE-68 VT-2 CS-Inconel       0.250 / 1.000         Dissimilar       OM 120-1472       Pipe to Safe End         1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "B" Hot Leg. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphis (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.	O2 B15 210 0003	2BC-277-50								
Pipe to Safe End 1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "B" Hot Leg. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage.				NDE-68	VT-2	CS-Inconel		0.250 / 1.000		
1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. This weld is located on piping that branches off of "B" Hot Leg. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage.	Dissimilar		OM 120-1472					•		
Hot Leg. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Per the requirements of 10 CFR 50.55a (g) (6) (ii) (E), all licensees of PWRs shall augment their ISI program implementing ASME Code Case N-722 subject to the conditions specified in paragraphs (g) (6) (ii) (E) 2 through 4. Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722. Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage." This B15.210 item is to be examined each refueling outage.				Pipe to Safe	End					
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.	• •		·	Hot Leg. (Examine the	Nozzle to S	afe-End weld	and the Saf	e-End to Pipe wel	d.)	
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.				ASME Code Bare Metal V	Case N-722 isual Inspec	subject to the	conditions :	specified in parag	raphs (g) (6) (ii) (E) 2 th	nrough 4.
This B15.210 item is to be examined each refueling outage.				four hours of acid corrosion	additional tr	aining in detec It ferritic steel c	tion of bora omponents	ied water leakage	from alloy 600/82/182	
For additional information, contact Chins Gruz from the Materials and NDE Services Section, Nuclear Fechnical Services Divisio				This B15.210	item is to b	e examined ea	ch refueling	outage.	-	, Nuclear Technical Services Division.

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			Comments						
(	Class 1 50								
								,	· · · · · · · · · · · · · · · · · · ·
Dissimilar		2RC-277 OM 1201-1469	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		
	· ·	OM 120-1472							
			Pipe to Safe I						
		· .	Hot Leg. (Examine the Per the requir ASME Code	Nozzle to S rements of Case N-722	Safe-End weld 10 CFR 50.55a 2 subject to the	and the Saf a (g) (6) (ii) (i conditions s	e-End to Pipe wel E), all licensees o specified in paragi	d.) f PWRs shall augment their aphs (g) (6) (ii) (E) 2 throug	n piping that branches off of "B" ' ISI program implementing gh 4. numbers listed in Table 1 of
			Code Case N					O viewel exeminent and also	of house associated a minimum of
			four hours of acid corrosior Procedure NE	additional ti n of adjacer DE 68, Acce	raining in detec nt ferritic steel c eptance Criteria	ction of borat components a is "no evid	ed water leakage ence of borated w	from alloy 600/82/182 com	all have completed a minimum of ponents and the resulting boric
-					pe examined ea n, contact Chris			NDE Services Section, Nuc	clear Technical Services Division.
O2.B15,210.0005 2	2RC-278-23								
(		2RC-278	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		`
		OM 1201-1469							
Dissimilar		OM 120-1472	-						
			Pipe to Safe I		Flowmeter Noz	zle SE to C	S Nozzle weld and	I SS pipe weld. (Examine th	ne Nozzle to Safe-End weld and
			Per the requir ASME Code ( Bare Metal Vi Code Case N Personnel pe	ements of Case N-722 sual Inspec -722. rforming the	10 CFR 50.55a 2 subject to the ction by VT-2 que e visual examin	a (g) (6) (ii) (l conditions s ualified insp nation shall t	<ul> <li>all licensees o specified in paragi ector per the required as VT</li> </ul>	aphs (g) (6) (ii) (E) 2 throug irements of applicable item 2 visual examiners and sha	ISI program implementing gh 4. numbers listed in Table 1 of all have completed a minimum of ponents and the resulting boric
	· .		acid corrosior Procedure NE This B15.210	n of adjacer DE 68, Acce item is to b	nt ferritic steel c eptance Criteria be examined ea	components a is "no evide ach refueling	ence of borated w outage.	ater leakage."	clear Technical Services Division.
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Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks		Componenet ID 2
Category Aug			••••••••		-					
O2.B15.210.0006	2RC-278-69									
Dissimilar	Class 1 50	2RC-278 OM 1201-1469 OM 120-1472	NDE-68	VT-2	CS-Inconel		0.250 / 1.000			-
	·		Pipe to Safe	End						
			the Safe-End Per the require ASME Code Bare Metal V Code Case N Personnel pe four hours of acid corrosion Procedure NI This B15.210	to Pipe well rements of 1 Case N-722 isual Inspec I-722. rforming the additional tr of adjacen DE 68, Acce item is to b	d.) This weld is 10 CFR 50.55a subject to the tion by VT-2 q e visual examin aining in detec t ferritic steel c ptance Criteria e examined ea	located on (g) (6) (ii) ( conditions ualified insp ation shall h tion of bora omponents is "no evid ch refuelinc	piping that branc E), all licensees of specified in parag ector per the requ be qualified as VT ted water leakage ence of borated w outage.	hes off of "A" Hot Le f PWRs shall augme raphs (g) (6) (ii) (E) 2 irrements of applicat -2 visual examiners from alloy 600/82/1 vater leakage."	ent their ISI program in	nplementing in Table 1 of ted a minimum of e resulting boric
O2.B15.210.0007	2RC-277-24									
	Class 1 50	2RC-277	NDE-68	VT-2	CS-Inconel		0.250 / 1.000			-
Dissimilar		OM 1201-1469 OM 120-1472								``````````````````````````````````````
÷ .			Pipe to Safe	End						
			the Safe-End Per the require ASME Code Bare Metal Vi Code Case N Personnel pe four hours of acid corrosion Procedure NI This B15.210	to Pipe well rements of 1 Case N-722 isual Inspec I-722. rforming the additional tr n of adjacen DE 68, Acce item is to b	d.) This weld is 10 CFR 50.55a subject to the tion by VT-2 que e visual examina aining in detect t ferritic steel c ptance Criteria e examined ea	located on (g) (6) (ii) ( conditions s ualified insp ation shall t tion of bora omponents is "no evid ch refueling Cruz from	piping that branc E), all licensees o specified in parag ector per the requ be qualified as VT ted water leakage ence of borated w outage.	hes off of "B" Hot Le f PWRs shall augme raphs (g) (6) (ii) (E) 2 irrements of applicat -2 visual examiners from alloy 600/82/1 rater leakage."	ent their ISI program in	nplementing in Table 1 of ted a minimum of e resulting boric
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Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 3
Category Aug									
O2.B15.210.0008	2RC-277-70 Class 1 50	2RC-277 OM 1201-1469	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		
Dissimilar		OM 120-1472	Pipe to Safe E						
· .			the Safe-End Per the require ASME Code C Bare Metal Via Code Case N Personnel per four hours of a acid corrosion Procedure ND This B15.210	to Pipe wel ements of Case N-722 sual Inspec -722. forming the additional to of adjacer DE 68, Acce item is to b	Id.) This weld is 10 CFR 50.55a 2 subject to the tion by VT-2 q e visual examin raining in detect therritic steel of eptance Criteria e examined ea	located on (g) (6) (ii) (l conditions s jalified insp ation shall t tion of borat omponents is "no evide ch refueling	piping that branc E), all licensees o specified in parag ector per the requ be qualified as VT ed water leakage ence of borated w outage.	hes off of "B" Hot Leg. f PWRs shall augment th raphs (g) (6) (ii) (E) 2 thr irrements of applicable it -2 visual examiners and from alloy 600/82/182 c vater leakage."	e the Nozzle to Safe-End weld and neir ISI program implementing ough 4. em numbers listed in Table 1 of shall have completed a minimum of omponents and the resulting boric Nuclear Technical Services Division.
O2.B15.210.0009	2-PHA-13							nere Print I. See Strand Stran	
	Class 1 50	ISI-OCN2-005 OM 1201-1469	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		
Dissimilar		OM 1201-1472	Pipe to Pipe						
	· ·		RTE Mounting Hot Leg (Piec Per the require ASME Code C Bare Metal Via Code Case N Personnel per four hours of a acid corrosion	e 7) to RTE ements of Case N-722 sual Inspec -722. forming the additional tr of adjacen DE 68, Acce	E Mounting Bos 10 CFR 50.55a 2 subject to the tion by VT-2 q e visual examin raining in detect the ferritic steel of eptance Criteria	s (piece 12) (g) (6) (ii) (l conditions s Jalified insp ation shall b tion of borat omponents. i is "no evide	E), all licensees o pecified in parag ector per the require qualified as VT ed water leakage ence of borated w	f PWRs shall augment th raphs (g) (6) (ii) (E) 2 thru irements of applicable ito -2 visual examiners and from alloy 600/82/182 c	neir ISI program implementing ough 4. em numbers listed in Table 1 of shall have completed a minimum of omponents and the resulting boric
· · · ·								NDE Services Section, I	Nuclear Technical Services Division.

Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	)	Componenet ID
Category Aug					<u>.</u>					
O2.B15.210.0010	2-PHA-14									
		ISI-OCN2-005 OM 1201-1469	NDE-68	VT-2	CS-Inconel		2.875 / 9.000			
Dissimilar		OM 1201-1472								
			Pipe to Pipe			_				
			Hot Leg (Piec Per the requir ASME Code Bare Metal Vi Code Case N Personnel pe four hours of	e 7) to RTE rements of 1 Case N-722 isual Inspect -722. rforming the additional tra	Mounting Boss 0 CFR 50.55a subject to the tion by VT-2 qu visual examina aining in detect	(piece 12) (g) (6) (ii) (E conditions s alified inspe- ntion shall b ion of borat	<ol> <li>all licensees o pecified in parag ector per the requered e qualified as VT</li> </ol>	Axis) f PWRs shall augment raphs (g) (6) (ii) (E) 2 t irrements of applicable -2 visual examiners ar from alloy 600/82/182	hrough 4. item numbers listed ad shall have comple	in Table 1 of eted a minimum of
					t ferritic steel contance Criteria		nce of borated w	ater leakage "		
		. ,	This B15.210	item is to be	e examined ea	h refueling	outage.	u u		
		· · · · · · · · · · · · · · · · · · ·	For additiona	l information	, contact Chris	Cruz from t	he Materials and	NDE Services Section	n, Nuclear Technica	Services Division.
O2.B15.210.0011	2-PHA-15									
,	0.200 . 00	ISI-OCN2-005	NDE-68	VT-2	CS-Inconel		2.875/9.000			
<b>D</b> 1 1		OM 1201-1469								
Dissimilar		OM 1201-1472	D: ( D:						-	
		·.	Pipe to Pipe	. D 0D. 4			·	1. 6. 5-1		
			Hot Leg (Piec Per the require ASME Code Bare Metal Vi Code Case N Personnel pe four hours of acid corrosion Procedure NI	e 7) to RTE rements of 1 Case N-722 sual Inspect -722. rforming the additional tra of adjacen DE 68, Acce	Mounting Boss 0 CFR 50.55a subject to the tion by VT-2 que visual examina aining in detect t ferritic steel co ptance Criteria	(piece 12) (g) (6) (ii) (E conditions s alified inspe- tion shall b on of borate omponents. is "no evide	E), all licensees of pecified in paraget of per the required as VT ed water leakaget once of borated water	of PWRs shall augment raphs (g) (6) (ii) (E) 2 t irrements of applicable -2 visual examiners ar from alloy 600/82/182	hrough 4. item numbers listed id shall have comple	in Table 1 of
ν.	·		This B15.210 For additiona	item is to be information	e examined each , contact Chris	h refueling: Cruz from t	outage. he Materials and	NDE Services Section	n, Nuclear Technical	Services Division.
	ب									
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Oconee 2, 4th Interval, outage 4 (EOC-24)

Summary Num	Component ID Class / System		Description	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	· .	Componenet ID :
			Comments							
Category Aug								<u> </u>		
O2.B15.210.0012	2-PHB-13							•		
Dissimilar		ISI-OCN2-006 OM 1201-1469 OM 1201-1472	NDE-68	VT-2	CS-Inconel		2.875 / 9.000			
			Pipe to Pipe							
			Hot Leg (Piece Per the require ASME Code C	e 7) to RTE ements of Case N-722	E Mounting Bos 10 CFR 50.55a 2 subject to the	s (piece 12) (g) (6) (ii) ( conditions s	E), all licensees o specified in parag	f PWRs shall augmer raphs (g) (6) (ii) (E) 2	nt their ISI program imp through 4. e item numbers listed i	
	· · · · · · · · · · · · · · · · · · ·		Code Case N- Personnel per four hours of a acid corrosion Procedure ND	722. forming the additional to of adjacer E 68, Acce	e visual examir raining in detec nt ferritic steel c eptance Criteria	ation shall t tion of borat components a is "no evid	be qualified as VT red water leakage ence of borated w	-2 visual examiners a from alloy 600/82/18.	nd shall have complete 2 components and the	ed a minimum of
			This B15.210 i For additional					NDE Services Sectio	n, Nuclear Technical S	Services Division.
O2.B15.210.0013	2-PHB-14			i i					· · · · · · · · · · · · · · · · · · ·	
02.010.210.0010		ISI-OCN2-006	NDE-68	VT-2	CS-Inconel		2.875 / 9.000	5		
Dissimilar		OM 1201-1469 OM 1201-1472				~				
		r	Pipe to Pipe	· .						
·		· ·	Hot Leg (Piece Per the require ASME Code C Bare Metal Vis Code Case N- Personnel per four hours of a acid corrosion Procedure ND This B15.210 i	7) to RTE ements of Case N-722 sual Inspec 722. forming the additional tu of adjacer E 68, Acce item is to b	E Mounting Bos 10 CFR 50.55a subject to the ction by VT-2 que e visual examinar raining in detect th ferritic steel of eptance Criteria be examined ea	s (piece 12) (g) (6) (ii) ( conditions s ualified insp ation shall t tion of borat components a is "no evid cch refueling	E), all licensees of specified in parag ector per the requise and the paraget of the paraget be qualified as VT ted water leakage dence of borated w outage.	f PWRs shall augmer raphs (g) (6) (ii) (E) 2 irrements of applicable -2 visual examiners a from alloy 600/82/18; vater leakage."	e item numbers listed i nd shall have complete 2 components and the	n Table 1 of ed a minimum of resulting boric
			For additional	informatio	n, contact Chris	Cruz from	the Materials and	NDE Services Sectio	n, Nuclear Technical S	Services Division.
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Summary Num	Component ID Class / System		Procedure Description	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID
Category Aug			Comments						
O2.B15.210.0014	2-PHB-15	ISI-OCN2-006		VT-2	CC Incorol		2 975 / 0 000		
	Class 1 50	OM 1201-1469	NDE-68	VI-2	CS-Inconel		2.875 / 9.000		
Dissimilar		OM 1201-1472	Pipe to Pipe						
			Hot Leg (Piec Per the requir ASME Code Bare Metal V Code Case N	e 7) to RTE rements of 1 Case N-722 sual Inspec -722.	Mounting Bos 10 CFR 50.55a subject to the tion by VT-2 q	s (piece 12 (g) (6) (ii) ( conditions ualified insp	E), all licensees o specified in parag sector per the requ	of PWRs shall augment the raphs (g) (6) (ii) (E) 2 throu uirements of applicable iter	eir ISI program implementing ugh 4. m numbers listed in Table 1 of shall have completed a minimum of
			four hours of acid corrosion	additional tr	aining in detec	tion of bora	ted water leakage	from alloy 600/82/182 co	mponents and the resulting boric
					e examined ea			NDE Services Section, N	luclear Technical Services Division.
	2SGA-HL-CON	I-36						NDE Services Section, N	uclear Technical Services Division.
		I-36 OM-1201-0103.001 O-ISIN4-100A-2.1 OM-1201-1472.001						NDE Services Section, N	luclear Technical Services Division.
O2.B15.210.0015 Dissimilar		OM-1201-0103.001 O-ISIN4-100A-2.1	For additiona	VT-2	n, contact Chris			NDE Services Section, N	uclear Technical Services Division.
		OM-1201-0103.001 O-ISIN4-100A-2.1	For additiona NDE-68 RTE Hot Leg Steam Gener Abandoned F Per the requi ASME Code Bare Metal V Code Case N Personnel pe four hours of	Thermal Wr ator A Hot L TE Therma Case N-722 sual Inspec -722. rforming the additional tr	ell CS-Inconel ell eg Connectior I Well Connec 10 CFR 50.55a subject to the tion by VT-2 que e visual examin	n # 36 on dr tion. (g) (6) (ii) ( conditions ualified insp nation shall t tion of bora	the Materials and awing OM 1201-0 E), all licensees of specified in parag ector per the requ be qualified as VT ted water leakage	1103.001 and Mark # 10 or of PWRs shall augment the raphs (g) (6) (ii) (E) 2 throu irrements of applicable iter -2 visual examiners and s	n drawing OM-1201-1472.001. eir ISI program implementing

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		n	Description Comments						
Category Aug									
O2.B15.210.0016	2SGB-HL-CON Class 1 50	I-27 OM-1201-0103.001 O-ISIN4-100A-2.1 OM-1201-1472.001	NDE-68	VT-2	CS-Inconel				
Lissimilar		0111201 1412.001	RTE Hot Leg	Thermal We	ell				
	· .		Abandoned R Per the requir ASME Code ( Bare Metal Vi Code Case N Personnel per four hours of acid corrosion Procedure NE This B15.210	TE Therma ements of 1 Case N-722 sual Inspec -722. forming the additional tr of adjacen DE 68, Acce item is to b	I Well Connect IO CFR 50.55a subject to the tion by VT-2 qu visual examin aining in detec t ferritic steel c phance Criteria e examined ea	ion (g) (6) (ii) (E conditions s Jalified inspe- ation shall bo tion of borate omponents. is "no evide ch refueling	), all licensees pecified in parag ctor per the req e qualified as V ad water leakage nce of borated v outage.	of PWRs shall augment th graphs (g) (6) (ii) (E) 2 thro uirements of applicable ite T-2 visual examiners and s e from alloy 600/82/182 cc water leakage."	n drawing OM-1201-1472.001 eir ISI program implementing bugh 4. em numbers listed in Table 1 of shall have completed a minimum of omponents and the resulting boric Nuclear Technical Services Division.
O2.B15.215.0003	2-PIB1-11								
	Class 1 50	ISI-OCN2-009 B&W146635E	NDE-68	VT-2	CS-Inconel		0.672 / 3.500		
Dissimilar Stress Weld									
			Nozzle to Saf	e End					· .
. ,			Per the requir ASME Code ( Bare Metal Vi Code Case N Personnel per four hours of acid corrosion Procedure NE This item is to	ements of 1 Case N-722 sual Inspec -722. forming the additional tr of adjacen DE 68, Acce be examin	0 CFR 50.55a subject to the tion by VT-2 qu visual examin aining in detec t ferritic steel c ptance Criteria ed once per inf	(g) (6) (ii) (E conditions s ualified inspe ation shall b tion of borate omponents. is "no evide erval.	becified in parag ctor per the req e qualified as V ed water leakag nce of borated v	of PWRs shall augment th graphs (g) (6) (ii) (E) 2 thro uirements of applicable ite T-2 visual examiners and s e from alloy 600/82/182 co water leakage."	eir ISI program implementing ough 4. Im numbers listed in Table 1 of shall have completed a minimum of omponents and the resulting boric Nuclear Technical Services Division.
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			Oce	onee 2, 4th	Interval, outa	ge 4 (EOC-	24)				
Summary Num	Component ID Class / System	·····		Description							
Category Aug											
O2.B15.215.0004	2-51A-35-15A Class 1 51A 2 C	2-51A-35 (1) D-ISIN4-100A-2.1	NDE-68	VT-2	SS-Inconel		0.375 / 2.500				
Dissimilar Stress Weld											
		,	Per the requir	ant Pump 2 ements of 1 Case N-722	10 CFR 50.55a subject to the	(g) (6) (ii) ( conditions	E), all licensees of specified in paragr	aphs (g) (6) (ii) (Ē) 2 thi	heir ISI program implementing		
			Code Case N Personnel pe four hours of acid corrosior	-722 rforming the additional tr of adjacen	e visual examin aining in detec it ferritic steel c	ation shall I lion of bora omponents	be qualified as VT- ted water leakage	2 visual examiners and from alloy 600/82/182 c	shall have completed a minimum of components and the resulting boric		
			This item is to	be examin	ed once per int	erval.		Ũ	Nuclear Technical Services Division.		
O2.B15.215.0007		SI-OCN2-009 DM-1201-966	NDE-68	VT-2	SS-CS		2.330 / 33.500		-		
Dissimilar Stress Weld		,			-						
			Pipe to Safe I	End							
			Per the requir ASME Code ( Bare Metal Vi Code Case N Personnel pe four hours of	ements of 1 Case N-722 sual Inspec -722. rforming the additional tr	I0 CFR 50.55a subject to the tion by VT-2 qu visual examin	(g) (6) (ii) ( conditions s alified insp ation shall t tion of bora	specified in paragr ector per the requi be qualified as VT- ted water leakage	PWRs shall augment t aphs (g) (6) (ii) (E) 2 thr rements of applicable it 2 visual examiners and	heir ISI program implementing ough 4. em numbers listed in Table 1 of shall have completed a minimum of components and the resulting boric		

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This report includes	all changes	through addend	lum ONS2-107
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Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID
Category Aug	<u>.</u>						•		
- O2.B15.215.0008	2-PIB2-7								,
		ISI-OCN2-010 OM-1201-966	NDE-68	VT-2	SS-CS		<sup>.</sup> 2.330 / 33.500		
Dissimilar Stress Weld									
			Pipe to Safe	End					
	· ·		Per the require ASME Code Bare Metal V Code Case N Personnel pe four hours of acid corrosion Procedure NI This item is to	rements of 10 Case N-722 s isual Inspecti -722. rforming the additional tra of adjacent DE 68, Accep b be examine	) CFR 50.55a subject to the on by VT-2 q visual examin ining in detect ferritic steel o tance Criteria d once per in	(g) (6) (ii) ( conditions : ualified insp ation shall l tion of bora components i is "no evid terval.	specified in parag ector per the requ be qualified as VT ted water leakage ence of borated w	f PWRs shall augmer raphs (g) (6) (ii) (E) 2 irements of applicable -2 visual examiners a from alloy 600/82/18 ater leakage."	nt their ISI program implementing through 4. e item numbers listed in Table 1 of nd shall have completed a minimum of 2 components and the resulting boric on, Nuclear Technical Services Division.
O2.B15.215.0011	2-PDB1-2				•				
		ISI-OCN2-013 OM-1201-966	NDE-68	VT-2	SS-CS		2.330 / 33.500		
Dissimilar Stress Weld					÷		ν.		
		·	Safe End to E	Elbow					
	•		Per the requir ASME Code	ements of 10 Case N-722 s isual Inspecti	) CFR 50.55a subject to the	(g) (6) (ii) ( conditions :	specified in parage	f PWRs shall augmer raphs (g) (6) (ii) (E) 2	nt their ISI program implementing through 4. e item numbers listed in Table 1 of
н н н			Personnel pe four hours of acid corrosion Procedure N	rforming the additional tra n of adjacent DE 68, Accep	ining in detec ferritic steel c tance Criteria	tion of bora omponents i is "no evid	ted water leakage	from alloy 600/82/18	nd shall have completed a minimum of 2 components and the resulting boric
		· · ·	This item is to For additional				the Materials and	NDE Services Sectio	n, Nuclear Technical Services Divisiõh.
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		Th	is report inclu	udes all cha	anges throu	igh addei	ndum ONS2-107	,	•
			Oc	onee 2, 4th l	Interval, outa	ge 4 (EOC	:-24)		
Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID
Category Aug		2							·
O2.B15.215.0012	2-PDB2-2 Class 1 50	ISI-OCN2-014 OM-1201-966	NDE-68	VT-2	SS-CS	 \	2.330 / 33.500	· ·	
Dissimilar Stress Weld				x					
			Safe End to I	Elbow					
			Per the requi ASME Code	rements of 10 Case N-722 : 'isual Inspecti	0 CFR 50.55a subject to the	(g) (6) (ii) conditions	specified in paragr	f PWRs shall augment their aphs (g) (6) (ii) (E) 2 throug	ISI program implementing h 4. numbers listed in Table 1 of
•	-	,	four hours of acid corrosio	additional tra	ining in deteo ferritic steel o	tion of bora	ated water leakage	from alloy 600/82/182 com	all have completed a minimum of ponents and the resulting boric
		•	This item is t	o be examine	ed once per in	terval.			clear Technical Services Division.
O2.B15.215.0020	2-PIB2-11								
	Class 1 50	ISI-OCN2-010 B&W146823E	NDE-68	VT-2	CS-Inconel		0.816 / 3.500		
Dissimilar Stress Weld								•	
		·	Nozzle to Sat	fe End					
•		· · · ·	Per the requi ASME Code	rements of 10 Case N-722 :	0 CFR 50.55a subject to the	(g) (6) (ii) conditions	specified in paragr		ISI program implementing h 4.

Bare Metal Visual Inspection by VT-2 qualified inspector per the requirements of applicable item numbers listed in Table 1 of Code Case N-722.

Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components.

Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage."

This item is to be examined once per interval.

For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division. This exam was moved from EOC25 to EOC-24 per request from Jay Eaton at Oconee. Chris Cruz was in agreement with the schedule being changed. See Plan Addenda ONS2-102. (See PIP O-10-2864)

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		Oconee 2, 4th Interval, outage 4 (EOC-24)								
Summary Num	Component IE Class / System		Procedure Description Comments	Insp Reg	g Material	Sched	Thick/NPS	Cal Blocks	Componenet II	
Category Aug		·								
O2.B15.215.0021	2-50-7-8									
	Class 1 50	2-50-7 (2) O-ISIN4-100A-2.1	NDE-68	VT-2	SS-Inconel		0.281 / 1.500			
Dissimilar	·									
			Elbow to Noza							
~	•		Per the requir ASME Code (	ements of Case N-722 sual Inspec	2 subject to the	(g) (6) (ii) (E conditions s	pecified in paragr	aphs (g) (6) (ii) (Ĕ) 2 tł	t their ISI program implementing hrough 4. item numbers listed in Table 1 of	
			Personnel performing the visual examination shall be qualified as VT-2 visual examiners and shall have completed a minimum of four hours of additional training in detection of borated water leakage from alloy 600/82/182 components and the resulting boric acid corrosion of adjacent ferritic steel components. Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage."							
			Procedure NE	)E 68 ACC6	eniance Unieria					
			This item is to	be examir	ned once per in	terval.		-		
			This item is to For additional This exam wa	be examir informations informations	ned once per in n, contact Chris rom EOC25 to 1	terval. s.Cruz from t EOC-24 per	the Materials and	NDE Services Section Eaton at Oconee. Chri	n, Nuclear Technical Services Division is Cruz was in agreement with the	
O2.B15.215.0026	2-PIB1-12		This item is to For additional This exam wa	be examir informations informations	ned once per in n, contact Chris rom EOC25 to 1	terval. s.Cruz from t EOC-24 per	the Materials and request from Jay	NDE Services Section Eaton at Oconee. Chri		
O2.B15.215.0026	2-PIB1-12 Class 1 50	ISI-OCN2-009 OM-1201-1521	This item is to For additional This exam wa	be examir informations informations	ned once per in n, contact Chris rom EOC25 to 1	terval. s.Cruz from t EOC-24 per	the Materials and request from Jay	NDE Services Section Eaton at Oconee. Chri		
			This item is to For additional This exam wa schedule bein	be examir informations informations information s moved fr g changed	ned once per in n, contact Chris om EOC25 to I I. See Plan Add	terval. s.Cruz from t EOC-24 per	the Materials and request from Jay 102. (See PIP O	NDE Services Section Eaton at Oconee. Chri		
O2.B15.215.0026 Dissimilar			This item is to For additional This exam wa schedule bein	be examir informatio s moved fr g changed VT-2	ned once per in n, contact Chris om EOC25 to I I. See Plan Add	terval. s.Cruz from t EOC-24 per	the Materials and request from Jay 102. (See PIP O	NDE Services Section Eaton at Oconee. Chri		
			This item is to For additional This exam wa schedule bein NDE-68 Nozzle to Pipe RTE Mounting Per the requir ASME Code 0	be examir informatio s moved fr g changed VT-2 e g Boss Pc. ements of Case N-722	ned once per in n, contact Chris om EOC25 to 1 . See Plan Add CS-Inconel 58 to Pipe Pc.5 10 CFR 50.55a 2 subject to the	terval. 6 Cruz from t COC-24 per enda ONS2 6 located on (g) (6) (ii) (f conditions s	the Materials and request from Jay 102. (See PIP O 2.250 / 8.750 Pump 2B1 Sucti E), all licensees of pecified in paragr	NDE Services Section Eaton at Oconee. Chri 10-2864) Dr Piping. PWRs shall augment aphs (g) (6) (ii) (E) 2 th	is Cruz was in agreement with the t their ISI program implementing hrough 4.	
			This item is to For additional This exam wa schedule bein NDE-68 Nozzle to Pipe RTE Mounting Per the requir ASME Code ( Bare Metal V) Code Case N- Personnel per	be examin informatio s moved fr g changed VT-2 g Boss Pc. ements of Case N-722 sual Inspec -722. forming the	ned once per in n, contact Chris om EOC25 to I I. See Plan Add CS-Inconel 58 to Pipe Pc.5 10 CFR 50.55a 2 subject to the ction by VT-2 q e visual examin	terval. 5 Cruz from f 5 CC-24 per enda ONS2 6 located on (g) (6) (ii) (f conditions s ualified inspe- ation shall b	the Materials and request from Jay 102. (See PIP O 2.250 / 8.750 Pump 2B1 Sucti E), all licensees of pecified in paragrector per the requ e qualified as VT	NDE Services Section Eaton at Oconee. Chri 10-2864) PWRs shall augment aphs (g) (6) (ii) (E) 2 th rements of applicable 2 visual examiners an	is Cruz was in agreement with the <sup>r</sup>	
			This item is to For additional This exam wa schedule bein NDE-68 Nozzle to Pipe RTE Mounting Per the requir ASME Code C Bare Metal Vi Code Case N Personnel per four hours of a acid corrosion Procedure ND	be examin informatio s moved fr g changed VT-2 g Boss Pc.3 ements of Case N-722 sual Inspec -722. forming the additional to of adjacer DE 68, Acco	ned once per in n, contact Chris om EOC25 to I I. See Plan Add CS-Inconel 58 to Pipe Pc.5 10 CFR 50.55a 2 subject to the ction by VT-2 q e visual examin raining in detec nt ferritic steel of	terval. a Cruz from to CC-24 per enda ONS2 6 located on (g) (6) (ii) (for conditions so ualified inspe- ation shall bo tion of borat omponents. is "no evide	the Materials and request from Jay -102. (See PIP O 2.250 / 8.750 Pump 2B1 Sucti E), all licensees of pecified in paragrector per the require equalified as VT- ed water leakage	NDE Services Section Eaton at Oconee. Chri 10-2864) PWRs shall augment aphs (g) (6) (ii) (E) 2 th rements of applicable 2 visual examiners an from alloy 600/82/182	is Cruz was in agreement with the t their ISI program implementing hrough 4. item numbers listed in Table 1 of nd shall have completed a minimum of	
			This item is to For additional This exam wa schedule bein NDE-68 NOZZIE to Pipe RTE Mounting Per the requir ASME Code C Bare Metal Vi Code Case N- Personnel per four hours of a acid corrosion Procedure NE This item is to For additional This exam wa schedule bein	be examininformations informations inved from the second s	ned once per in n, contact Chris om EOC25 to I I. See Plan Add CS-Inconel 58 to Pipe Pc.5 10 CFR 50.55a 2 subject to the ction by VT-2 q e visual examin raining in detect nt ferritic steel of eptance Criteria ned once per in n, contact Chris om EOC26 to I I. See Plan add	6 located on (g) (6) (ii) (f conditions s alified inspe- ation shall b tion of borat omponents. is "no evide terval. Cruz from f CC-25 per enda ONS2-	the Materials and request from Jay 102. (See PIP O 2.250 / 8.750 2.250 / 8.750 / 8.750 2.250 / 8.750 / 8	NDE Services Section Eaton at Oconee. Chri 10-2864) PWRs shall augment aphs (g) (6) (ii) (E) 2 th rements of applicable 2 visual examiners an from alloy 600/82/182 ater leakage." NDE Services Section Hipps at Oconee. Chr	is Cruz was in agreement with the t their ISI program implementing hrough 4. item numbers listed in Table 1 of nd shall have completed a minimum of	

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This report includes al	I changes through	n addendum ONS2-107
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Oconee 2, 4th Interval, outage 4 (EOC-24)

Summary Num-	Component ID ISO/DWG Number Class / System	Procedure Insp Req Material Sched Thick/NPS Cal Blocks Componenet ID Description Comments
Category Aug		·
O2.B15.215.0027	2-PIB2-12 Class 1 50 ISI-OCN2-010 OM-1201-1521	NDE-68 VT-2 CS-inconei 2.250 / 8.750
Dissimilar		
	· · ·	Nozzle to Pipe
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · · ·	<ul> <li>RTE Mounting Boss Pc.58 to Pipe Pc.56 located on Pump 2B2 Suction Piping.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>Procedure NDE 68, Acceptance Criteria is "no evidence of borated water leakage."</li> <li>This item is to be examined once per interval.</li> <li>For additional information, contact Chris Cruz from the Materials and NDE Services Section, Nuclear Technical Services Division.</li> <li>This exam was moved from EOC26 to EOC-25 per request from Max Hipps at Oconee. Chris Cruz was in agreement with the schedule being changed. See Plan Addenda ONS2-101.</li> <li>This exam was moved from EOC25 to EOC-24 per request from Jay Eaton at Oconee. Chris Cruz was in agreement with the schedule being changed. See Plan Addenda ONS2-102. (See PIP O-10-2864)</li> </ul>
O2.B15.80.0001	2-RPV-BMI-NOZZLES	
Dissimilar	Class 1 50 O-ISIN4-100A-2.1	NDE-68 VT-2 CS/Alloy 690 0.000 / 0.000
Dissimilar	<u>.</u>	RPV Bottom Head BMI Nozzles
		<ul> <li>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.</li> <li>Bare Metal Visual Inspection by VT-2 qualified inspector of the BMI Nozzles per the requirements of Code Case N-722. (Item Number B15.80).</li> <li>B15.80 items, bare metal visual examinations are on the reactor vessel bottom head, bottom mounted instrument nozzles and alloy 600 transition weld between the alloy 600 tube and the stainless steel tube.</li> <li>B15.80 items are to be examined every other refueling outage from the start date.</li> <li>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.</li> </ul>

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This report includes all changes through addendum ONS2-107	This report includes	all changes through	addendum ONS2-107
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Summary Num Category Aug	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	С	omponenet ID 2
	0.000.044			<del>.</del>		r				
O2.G1.1.0001	2-RCP-2A1 Class 1 50	OM-201D-038	NDE-900	UT	CS	Γ.	9.500 / 72.000	Component		G01.001.001, G01.001.001/
		O-ISIN4-100A-2.1								
			repair activitie	s necessitat	e flywheel ren	noval, a sur	face examination	of exposed surfac	1.001.001A)Whenever main es and a complete volumetri r than 6 2/3 years.	
O2.G1.1.0005	2-RCP-2A2									
	Class 1 50	OM-201D-038	NDE-900	UT	CS		9.500 / 72.000	Component		G01.001.002, G01.001.002/
		O-ISIN4-100A-2.1								
			repair activitie	s necessitat	e flywheel ren	noval, a sur	face examination	of exposed surfac	1.001.002A) Whenever mains and a complete volumetric r than 6 2/3 years.	
O2.G1.1.0006	2-RCP-2B1									· ·
2. 2.	Class 1 50	OM-201D-038	NDE-900	UT	cs		9.500 / 72.000	Component		G01.001.003, G01.001.003/
·		O-ISIN4-100A-2.1								
			repair activitie	s necessitat	e flywheel ren	noval, a sur	face examination	of exposed surfac	1.001.003A) Whenever mains es and a complete volumetri r than 6 2/3 years.	
O2.G1.1.0007	2-RCP-2B2									4
•	Class 1 50	OM-201D-038	NDE-900	UT	CS		9.500 / 72.000	Component		G01.001.004, G01.001.004A
	c	O-ISIN4-100A-2.1								
· · · · ·			repair activitie	s necessitate	e flywhieel rem	oval, a sur	face examination		1.001.004A) Whenever mains and a complete volumetric r than 6 2/3 years.	
O2.G12.1.0005	2-PDB2-11	· · · · ·	· · · · · · · · · · · · · · · · · · ·				•	•		
	Class 1 50	ISI-OCN2-014	PDI-UT-10	UT	SS-CS		0.750 / 3.500	40416		G12.001.005
		B&W146629E						Component		~
Circumferential		O-ISIN4-100A-2.1								
Dissimilar		0-131114-100A-2.1	Nozzle to Safe	End						·
	•			le Pc.46 to S	Safe End Pc.4	7. Augmer	ited Inspection Pe	er MRP-139. Conta	act Jody Shuping for additior	al information
			on this examin	nation. Exam	ination sched	ule cannot o	exceed 5 years be	etween examinatio	ns.	
		· ·	on this examin	nation. Exam	ination sched	ule cannot e	exceed 5 years be	etween examinatio	ns.	

Summary Num Class / System       Component ID (Lass / System       ISO/DWG Numbers (Lass / System       Procedure (Lass / System)       Insp.Req (Lass / System)       Material (Lass / System)       Sched       Thick/NPS       Cal Blocks       Component (Components)         02.012.2.0001       2-RPV-WR53 Class 1 50       15I-OCN2-001 OM-1201-1528       54-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         Dissimilar       OM-1201-1528       VA:Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89.       W-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139.       Contact Jody Shuping for additional information on this examination. Examination achedule cannot exceed 6 years between examinations.       Cal 2.002       2-RPV-WR53A Class 1 50       G12.         02.G12.2.0002       2-RPV-WR53A Class 1 50       SI-IOCN2-001       54-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         OZ.G12.2.0002       2-RPV-WR53A Class 1 50       SI-IOCN2-001       54-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         Circumferential Terminal End Dissimilar       0M-1201-1528       Superior On Xozzle Pc. 17 to Safe End RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per	•		Th	is report inclu		-	-		7	•
Class / System       Description Comments         Category Aug       02.G12.2.0001       2-RPV-WR53         Circumferential Terminal End Dissimilar       Collass 1 50       ISI-OCN2-001       54-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         Circumferential Dissimilar       OM-1201-1528       Nozzle to Safe End RV A-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89.       W-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination aschedule cannot exceed 6 years between examinations.       G12.         O2.G12.2.0002       2-RPV-WR53A Class 1 50       SI-OCN2-001       54-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         Circumferential Dissimilar       OM-1201-1528       Face Safe End RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89.       Y-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination achedule cannot exceed 6 years between examinations.       G12.         O2.G12.2.0005       2-PIA1-7 Class 1 50       SI-IOCN2-007 OM-1201-966       EPRI-DMW- UT       SS-CS       3.000 / 33.500       40350       G12.         O2.G12.2.0005       2-PIA1-7 Class 1 50       SI-IOCN2-007 OM-1201-966       EPRI-DMW- UT       SS-CS       3.000 / 33.500       40357       G12.         Circumferential Dissimitar       Si-IOCN2-00	Oconee 2, 4th Interval, outage 4 (EOC-24)									
O2 G12.2001       2-RPV-WR53 Class 1 50       SI-OCN2-001 OM-1201-1528       54-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         Terminal End Dissimilar       OM-1201-1528       Nozzle to Safe End RV A-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. W-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination achedule cannot exceed 6 years between examinations.         O2 G12.2.0002       2-RPV-WR53A Class 1 50       SI-IOCN2-001 SI-IOCN2-001       54-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         Orcumferential Dissimilar       OM-1201-1528       Terminal End RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Supping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.         O2 G12.2.0005       2-PIA1-7 Class 1 50       ISI-OCN2-007 OM-1201-966       PERI-DNW- UT       SS-CS       3.000 / 33.500       40350       G12.         Circumferential Dissimilar       Site Ste End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55: Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination	Summary Num			Description	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Class 1       50       ISI-OCN2-001 OM-1201-1528       54-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         Terminal End Dissimilar       V       V       V       SS-CS       1.688 / 15.625       8034675       G12.         O2 G12.2.0002       2-RPV-WR53- Class 1       SO       ISI-OCN2-001 ISI-OCN2-001       RV A-Side Core Flood Nozzle PC. 17 to Safe End PC. 89.       W-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Examination Schedule cannot exceed 8 years between examinations.       S4-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         O2 G12.2.0002       2-RPV-WR53- Class 1       S0       ISI-OCN2-001 OM-1201-1528       S4-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         O2 G12.2.0005       2-RPV-WR53- Class 1       S0       ISI-OCN2-007 OM-1201-966       S4-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         O2 G12.2.0005       2-PIA1-7 Class 1       S0       ISI-OCN2-007 OM-1201-966       S4-ISI-823       UT       SS-CS       3.000 / 33.500       40350       G12.         O2 G12.2.0005       2-PIA1-7 Class 1       S0       ISI-OCN2-007 OM-1201-966       FPR-19       SS-CS       3.000 / 33.500	Category Aug									
Circumferential End Dissimilar OV-1201-1528 Terminal End OZ.G12.2.0002 2-RPV-WR53A Class 1 50 ISI-OCN2-001 Dissimilar OZ.G12.2.0005 2-PIA1-7 Class 1 50 ISI-OCN2-007 OM-1201-966 Circumferential Dissimilar Stress Weld Circumferential Dissimilar Dissimilar Circumferential Dissimilar Circumferential Dissimilar Circumferential Dissimilar Circumferential Dissimilar Circumferential Dissimilar Circumferential Dissimilar Circumferential Dissimilar Circumferential Circumferential Circumferential Circumferential Circumferential Dissimilar Circumferential Circumferential Circumferential Circumferential Circumferential Circumferential Circumferential Circumferential Circumferential Circumferential Ci	O2.G12.2.0001	2-RPV-WR53							, <u>, , , , , , , , , , , , , , , ,</u>	-
Terminal End Dissimilar       Nozzle to Safe End RV A-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. W-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.         02.G12.2.0002       2-RPV-WR53A Class 1 50       ISHOCN2-001 ISHOCN2-001       54-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         Obisimilar       OM-1201-1528       54-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         Dissimilar       OM-1201-1528       Nozzle to Safe End RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Schedule cannot exceed 6 years between examinations.       G12.         02.G12.2.0005       2-PIA1-7 Class 1 50       EPRI-DMW-       UT       SS-CS       3.000 / 33.500       40350       G12.         02.G12.2.0005       2-PIA1-7 OM-1201-966       FPie to Safe End Reactor Colant Pump 2A1 Suction Pip		Class 1 50		54-ISI-823	UT	SS-CS		1.688 / 15.625	8034675	G12.002.00
Dissimilar Nozzle to Safe End Nozzle to Safe End RV A-Sidé Core Flood Nozzle Pc. 17 to Safe End Pc. 89. W-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Class 1 50 ISI-OCN2-001 Circumferential Dissimilar Nozzle to Safe End RV A-Sidé Core Flood Nozzle Pc. 17 to Safe End Pc. 89. W-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Nozzle to Safe End RV A-Sidé Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Nozzle to Safe End RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Circumferential Dissimilar Circumferential Dissimilar Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination schedule cannot exceed 6 years between examinations. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination schedule cannot exceed 6 years between examinations. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination schedule cannot exceed 6 years between examinations. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination schedule cannot exceed 6 years between examinations. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination schedule cannot exceed 6 years between examinations. Procedure to be used will be determined after a Vendor has been selected to perform the Aut		Тх.	OM-1201-1528	,	(					
Nozzle to Safe End RV A-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. WI-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. O2.G12.2.0002 2-RPV-WR53A Class 1 50 ISF-OCN2-001 54-ISI-823 UT SS-CS 1.688 / 15.625 8034675 G12. Circumferential Dissimilar O2.G12.2.0005 2-PIA1-7 Class 1 50 ISF-OCN2-007 0M-1201-966 2-PIA1-7 Class 1 50 ISF-OCN2-007 0M-1201-966 PA-1 Pipe to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55: Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Circumferential Dissimilar Stress Weld Fige to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55: Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Pipe to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55: Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. EXAMPLE Pipe Information Information on this examination. EXAMPLE Pipe Information Information Information on this examination. EXAMPLE Pipe Information Information Inform					1					
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.         O2.G12.2.0002       2-RPV-WR534 Class 1 50 ISI-OCN2-001 OM-1201-1528       54-ISI-823 UT SS-CS 1.688 / 15.625 8034675       G12.         Circumferential Terminal End Dissimilar       OM-1201-1528       54-ISI-823 UT SS-CS 1.688 / 15.625 8034675       G12.         O2.G12.2.0005       Z-PIA1-7 Class 1 50 ISI-OCN2-007 OM-1201-966       Nozzle to Safe End RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Schedule cannot exceed 6 years between examinations.         O2.G12.2.0005       2-PIA1-7 Class 1 50 ISI-OCN2-007 OM-1201-966       EPRI-DMW- UT SS-CS 3.000 / 33.500 40350       G12.         Circumferential Dissimilar       Stress Weld       Pipe to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55: Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination	Dissimilar									x
O2.G12.2.0002       2-RPV-WR53A Class 1 50       ISI-OCN2-001       54-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         Circumferential Dissimilar       OM-1201-1528       54-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         O2.G12.2.0005       2-RPV-WR53A Class 1 50       ISI-OCN2-001       54-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         Circumferential Dissimilar       OM-1201-1528       Nozzle to Safe End RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination.         O2.G12.2.0005       2-PIA1-7 Class 1 50       ISI-OCN2-007 OM-1201-966       EPRI-DMW- UT       SS-CS       3.000 / 33.500       40350       G12.         Dissimilar       Stress Weld       Fipe to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56										
Class 1       50       ISI-OCN2-001       54-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         Circumferential       OM-1201-1528       OM       Nozzle to Safe End       Nozzle to Safe End       RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis.       Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Examination         O2.G12.2.0005       2-PIA1-7       Class 1       50       ISI-OCN2-007       EPRI-DMW-       UT       SS-CS       3.000 / 33.500       40350       G12.         O2.G12.2.0005       2-PIA1-7       EPRI-DMW-       UT       SS-CS       3.000 / 33.500       40350       G12.         O2.G12.2.0005       Figure to Safe End       Figure to Safe End       Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55.       Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination				Procedure to Augmented Ir	be used will I spection Per	be determine r MRP-139. C	d after a Ver contact Jody	ndor has been se Shuping for addi		
Class 1       50       ISI-OCN2-001       54-ISI-823       UT       SS-CS       1.688 / 15.625       8034675       G12.         Circumferential Dissimilar       OM-1201-1528       VT       SS-CS       1.688 / 15.625       8034675       G12.         Output       Dissimilar       Nozzle to Safe End RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination         O2.G12.2.0005       2-PIA1-7 Class 1       EPRI-DMW- 0M-1201-966       UT       SS-CS       3.000 / 33.500       40350       G12.         Circumferential Dissimilar       Streşs Weld       Fipe to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55: Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination	O2.G12.2.0002	2-RPV-WR53A	· · · · · · · · · · · · · · · · · · ·							
Circumferential       OM-1201-1528         Terminal End       Dissimilar         Dissimilar       Nozzle to Safe End         RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis.         Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.         O2.G12.2.0005       2-PIA1-7         Class 1       50         Stress Weld       Stress Weld				54-ISI-823	UT	SS-CS		1.688 / 15.625	8034675	G12.002.002
Dissimilar          Dissimilar       Nozzle to Safe End         RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis.       Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination.         O2.G12.2.0005       2-PIA1-7         Class 1       50         ISI-OCN2-007       EPRI-DMW-         UT       SS-CS         3.000 / 33.500       40350         Circumferential       PA-1         Dissimilar       Stress Weld         Fipe to Safe End       Pipe to Safe End         Reactor Coolant Pump 2A1 Suction Per MRP-139. Contact Jody Shuping for additional information on this examination.	Circumferential		OM-1201-1528						1	
Nozzle to Safe End RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination Schedule cannot exceed 6 years between examinations. 02.G12.2.0005 2-PIA1-7 Class 1 50 ISI-OCN2-007 OM-1201-966 PA-1 Dissimilar Stress Weld Pipe to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55: Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination	Terminal End									
RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis. Procedure to be used will be determined after a Vendor has been selected to perform the Automated UT examination. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 6 years between examinations.         O2.G12.2.0005       2-PIA1-7 Class 1 50       ISI-OCN2-007 OM-1201-966       EPRI-DMW- UT SS-CS       3.000 / 33.500       40350 40397       G12. 40397         Circumferential Dissimilar Stress Weld       Fige to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55: Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination	Dissimilar							-	•	
O2.G12.2.0005       2-PIA1-7         Class 1 50       ISI-OCN2-007         EPRI-DMW-       UT       SS-CS         3.000 / 33.500       40350         G12.       OM-1201-966         PA-1       40397         Circumferential       Dissimilar         Stress Weld       Fipe to Safe End         Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55: Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination				Nozzle to Safe	e End					
Class 1 50 ISI-OCN2-007 OM-1201-966 PA-1 SS-CS 3.000 / 33.50 40350 G12. 0M-1201-966 PA-1 40397 Circumferential Dissimilar Stress Weld Pipe to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55: Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination				Procedure to Augmented Ir	be used will I spection Per	be determine r MRP-139. C	d after a Ver ontact Jody	ndor has been se Shuping for addi		
OM-1201-966 PA-1 40397 Circumferential Dissimilar Stress Weld Pipe to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55: Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination	O2.G12.2.0005	2-PIA1-7	,							
Circumferential Dissimilar Stress Weld Pipe to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55: Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination		Class 1 50	ISI-OCN2-007	EPRI-DMW-	UT	SS-CS		3.000 / 33.500	40350	G12.002.00
Dissimilar Stress Weld Pipe to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55: Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination			OM-1201-966	PA-1					40397	-
Stress Weld Pipe to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55: Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination	Circumferential									
Pipe to Safe End Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55: Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination			· ·							
Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination	Stress Weld									
Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination				Pipe to Safe E	End					
			•	Augmented Ir	spection Per	r MRP-139. C	ontact Jody	Shuping for addi		examination. Examination
				'.						

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Componenet ID	Cal Blocks	Thick/NPS	Sched	Material	Insp Req	Procedure Description Comments	ISO/DWG Numbers	onent ID / System	Compor Class / S	Summary Num
				<u> </u>	•					Category Aug
G12.002.0	40350 40397	2.330 / 33.500		SS-CS	UT	EPRI-DMW- PA-1	ISI-OCN2-008 OM-1201-966	1 50	2-PIA2-7 Class 1	O2.G12.2.0006
						·				Circumferential Dissimilar Stress Weld
					nd	Pipe to Safe E				
amination. Examination	Pc. 55. tional information on this e		ontact Jody	MRP-139. C	spection Per				٠	
,								-7	2-PIB1-7	O2.G12.2.0007
G12.002.0	40350 40397	2.330 / 33.500		SS-CS	UT	EPRI-DMW- PA-1	ISI-OCN2-009 OM-1201-966		Class 1	
										Circumferential Dissimilar
			. `						~	Stress Weld
amination. Examination	Pc. 55. tional information on this (	c. 56 to Safe End Shuping for addi ions.	ontact Jody	MRP-139. C	nt Pump 2B spection Per	Pipe to Safe E Reactor Coola Augmented In schedule canr				
	/	-						-7	2-P1B2-7	O2.G12.2.0008
G12.002.0	40350 40397	2.330 / 33.500	,	SS-CS	UT	EPRI-DMW- PA-1	ISI-OCN2-010 OM-1201-966	1 50 1	Class 1	·
										Circumferential Dissimilar Stress Weld
					nd	Pipe to Safe E				
amination. Examination	Pc. 55. tional information on this e		ontact Jody	MRP-139. C	spection Per	Reactor Coola Augmented In schedule cann		-		

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Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Biocks	Componene	∍t ID 2
Category Aug										<u> </u>
O2.G12.2.0009	2-PDA1-2									
	Class 1 50	ISI-OCN2-011 OM-1201-966	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	G12.0	002.00
Circumferential										
Dissimilar Stress Weld										
			Safe End to E	bow				· .		
			Reactor Coola Augmented In schedule canr	spection Per	· MRP-139. Co	ntact Jody		bow Pc. 53. tional information on this	examination. Examination	
D2.G12.2.0010	2-PDA2-2								<u></u>	
	Class 1 50	ISI-OCN2-012 OM-1201-966	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	G12.0	002.01
Circumferential Dissimilar Stress Weld			·							
Suess weig			Safe End to E	bow						
311635 WEIU	· .				2 Disabaraa D	nine Cafe	End Pc. 49 to Eli	bow Pc. 53.		
	·.	·	Reactor Coola Augmented In schedule canr	spection Per	MRP-139. Co	ntact Jody	Shuping for addi	tional information on this	examination. Examination	
	2-PDB1-2		Augmented In	spection Per	MRP-139. Co	ntact Jody	Shuping for addi	tional information on this	examination. Examination	
	2-PDB1-2 Class 1 50	ISI-OCN2-013 OM-1201-966	Augmented In	spection Per	MRP-139. Co	ntact Jody	Shuping for addi	tional information on this 40350 40397		002.01
D2.G12.2.0011 Dircumferential Dissimilar Stress Weld			Augmented In schedule cann EPRI-DMW-	spection Per ot exceed 6	MRP-139. Co years betwee	ntact Jody	Shuping for addi ons.	40350		002.01
D2.G12.2.0011 Dircumferential Dissimilar			Augmented In schedule cann EPRI-DMW-	spection Per ot exceed 6 UT	MRP-139. Co years betwee	ntact Jody	Shuping for addi ons.	40350		002.01

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Oconee 2, 4th Interval, outage 4 (EOC-24)

Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug		7							·
O2.G12.2.0012	2-PDB2-2				· ·	<u></u>		, ,	· · · · · · · · · · · · · · · · · · ·
	Class 1 50	ISI-OCN2-014 OM-1201-966	EPRI-DMW- PA-1	- UT	SS-CS		2.330 / 33.500	40350 40397	G12.002.012
Circumferential Dissimilar Stress Weld						•			
			Safe End to E	Elbow					
			Augmented Ir	spection P	2B2 Discharge I Per MRP-139. C 6 years betwee	ontact Jody		bow Pc. 53. itional information on th	is examination. Examination
O2.G14.1.0001	2-PZR-THERM				,				
	Class 1 50		NDE-68	VT-2	CS-Inconel		0.250 / 1.000		G14.001.001
Circumferential Dissimilar		OM 1201-1135 OM 100-1189						-	
			Nozzle to Elb	ow					
			Augmented Ir examination. Bare Metal Vi	nspection P		ponse to B			ditional information on this ied inspector. Acceptance criteria is
O2.G16.1.0001	2-50-7-8							• ,	
		2-50-7 (2) O-ISIN4-100A-2.1	NDE-995	UT	SS-Inconel		0.281 / 1.900	50202 Component	
Dissimilar		ISI-OCN2-010							
			Elbow to Noz:						
· v			Augmented I	nspection t	oy ultrasonic ex	amination t		fatigue cracking on the	inside surface of RCS drain line 0-7-8. See Figure 1 in procedure
· ·			NDE-995 for o NRC Commit RCS drain line and the elbow	details on tl ment for Mi e piping do v base meta	he areas to be e RP-146 require wnstream of the al. Procedure N	examined fo s an ultrasc e RCS conr DE-995 sha	or this weld. onic examination t nection. Examinat all be used to perf	o identify thermal fatigu ion includes both welds	e cracking on the inside surface of (located at each end of the elbow) n. For additional information, contact
			The welds/are	eas for G16	conee Civil Eng 5.1 items are to- performed durir	be examine	ed once every ten	years from the start da 513-J form with tracking	te (Unit 2 EOC-24). The g number ER-ONS-08-09 for more
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This report includes al	changes thr	ough addendum	ONS2-107
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Oconee 2, 4th Interval, outage 4 (EOC-24)

02 G16.1.0002       2-50-7-9 Class 1       50       2-50-7 (2) O-ISIN4-100A-2.1       NDE-995       UT       SS       0.281 / 1.900       50202 Component         Elbow to Pipe Drain Line Piping that branches off of Reactor Coolant Pump 282 Suction Piping (J-Leg). On weld iso 2-50-7(2) examine weld # 9. Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection on 282 cold leg. This examination is for weld 2-30-7.3       See Figure 1 in procedure Procedure MEP-148 requires an ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection.         OC G16.1.0003         2-50-7 (2)         OC G16.1.10003         2-50-7 (2)         OC G16.1.10003         2-50-7 (2)         OC G16.1.0003         2-50-7 (2)         OC G16.1.0003         Calse 1       50         OC G16.1.0003         2-50-7 (2)         OC G16.1.0003         2-50-7 (2)         OC G16.1.0003         C-151/S10-100A-2.1         OC Colspan= Colspan="2">Component         Dissimilar         Elbow Base Met				Elbow to Pipe Drain Line Pipin 9. Augmented In: piping downstre NDE-995 for de NRC Commitm RCS drain line and the elbow for the	ng that bran spection by eam of the f etails on the ent for MRF piping down base metal.	ches off of R ultrasonic ex RCS connect areas to be 2-146 require stream of the Procedure N	amination to ion on 2B2 c examined fo s an ultrasor e RCS conn DE-995 sha	ant Pump 2B2 Si identify thermal cold leg. This exa r this weld.⊡ nic examination f ection. Examinat Il be used to per	Component uction Piping (J-Leg). fatigue cracking on th mination is for weld 2 to identify thermal fati tion includes both wel	he inside surface 2-50-7-9. See Fig gue cracking on ds (located at ea	of RCS drain line ure 1 in procedure the inside surface of ch end of the elbow) al information, contact
O-ISIN4-100A-2.1       Component         Elbow to Pipe       Drain Line Piping that branches off of Reactor Coolant Pump 282 Suction Piping (J-Leg). On weld iso 2-50-7(2) examine weld # 9.         Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. DEX Colleg. This examination is for weld 2-50-7.9. See Figure 1 in procedure NDE-995 for details on the areas to be examined for this weld.         NRC Commitment for NRP-146 regulars an ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. DEX connecti	C .	Class 1 50		Elbow to Pipe Drain Line Pipin 9. Augmented In: piping downstre NDE-995 for de NRC Commitm RCS drain line and the elbow for the	ng that bran spection by eam of the f etails on the ent for MRF piping down base metal.	ches off of R ultrasonic ex RCS connect areas to be 2-146 require stream of the Procedure N	amination to ion on 2B2 c examined fo s an ultrasor e RCS conn DE-995 sha	ant Pump 2B2 Si identify thermal cold leg. This exa r this weld.⊡ nic examination f ection. Examinat Il be used to per	Component uction Piping (J-Leg). fatigue cracking on th mination is for weld 2 to identify thermal fati tion includes both wel	he inside surface 2-50-7-9. See Fig gue cracking on ds (located at ea	of RCS drain line ure 1 in procedure the inside surface of ch end of the elbow) al information, contact
Drain Line Piping that branches off of Reactor Coolant Pump 2B2 Suction Piping (J-Leg). On weld iso 2-50-7(2) examine weld # 9.         Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. Examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. Examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. Examination includes both welds (located at each end of the elbow) and the elbow base metal. Procedure NDE-995 shall be used to perform the UT examination. For additional information, contact Dave Petilola from the Ocoree Civil Engineering Section. The welds/areas for G16.1 items are to be examined once every ten years from the start date (Unit 2 EOC-24). The examinations should be performed during refueling outage. See QA-513-J form with tracking number ER-ONS-08-09 for more details.         O2.G16.1.0003       2-50-7-ELBOW Class 1 50 2-50-7(2) O-ISIN4-100A-2.1       NDE-995 UT SS 0.281 / 1.900 50202 Component         Dissimilar       Elbow Base Metal       Drain Line Piping that branches off of Reactor Coolant Pump 2B2 Suction Piping (J-Leg). On weld iso 2-50-7(2) examine the elbow base metal on the elbow associated with welds 8 and 9.         Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection.       Science Civil Engineering Section.	-			Drain Line Pipin 9. Augmented In: piping downstre NDE-995 for de NRC Commitm RCS drain line and the elbow to Dave Peltola fre	spection by eam of the f etails on the ent for MRF piping down pase metal.	ultrasonic ex CCS connecting areas to be 2-146 requirent istream of the Procedure N	amination to ion on 2B2 c examined fo s an ultrasor e RCS conn DE-995 sha	identify thermal old leg. This exa r this weld.□ nic examination t ection. Examinat Il be used to per	fatigue cracking on the fatigue cracking on the fatigment of the fatigment	he inside surface 2-50-7-9. See Fig gue cracking on ds (located at ea	of RCS drain line ure 1 in procedure the inside surface of ch end of the elbow) al information, contact
Drain Line Piping that branches off of Reactor Coolant Pump 2B2 Suction Piping (J-Leg). On weld iso 2-50-7(2) examine weld # 9.         Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. Examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. Examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. Examination includes both welds (located at each end of the elbow) and the elbow base metal. Procedure NDE-995 shall be used to perform the UT examination. For additional information, contact Dave Petilola from the Ocoree Civil Engineering Section. The welds/areas for G16.1 items are to be examined once every ten years from the start date (Unit 2 EOC-24). The examinations should be performed during refueling outage. See QA-513-J form with tracking number ER-ONS-08-09 for more details.         O2.G16.1.0003       2-50-7-ELBOW Class 1 50 2-50-7(2) O-ISIN4-100A-2.1       NDE-995 UT SS 0.281 / 1.900 50202 Component         Dissimilar       Elbow Base Metal       Drain Line Piping that branches off of Reactor Coolant Pump 2B2 Suction Piping (J-Leg). On weld iso 2-50-7(2) examine the elbow base metal on the elbow associated with welds 8 and 9.         Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection.       Science Civil Engineering Section.		- -		Drain Line Pipin 9. Augmented In: piping downstre NDE-995 for de NRC Commitm RCS drain line and the elbow to Dave Peltola fre	spection by eam of the f etails on the ent for MRF piping down pase metal.	ultrasonic ex CCS connecting areas to be 2-146 requirent istream of the Procedure N	amination to ion on 2B2 c examined fo s an ultrasor e RCS conn DE-995 sha	identify thermal old leg. This exa r this weld.□ nic examination t ection. Examinat Il be used to per	fatigue cracking on the fatigue cracking on the fatigment of the fatigment	he inside surface 2-50-7-9. See Fig gue cracking on ds (located at ea	of RCS drain line ure 1 in procedure the inside surface of ch end of the elbow) al information, contact
9       Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection on 2B2 cold leg. This examination is for weld 2-50-7-9. See Figure 1 in procedure NDE-995 for details on the areas to be examined for this weld.□         NRC Commitment for MRP-146 requires an ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. Examination includes both welds (located at each end of the elbow) and the elbow base metal. Procedure NDE-995 shall be used to perform the UT examination. For additional information, contact Dave Petiola from the Oconee Civil Engineering Section. The welds/areas for G16.1 items are to be examined once every ten years from the start date (Unit 2 EOC-24). The examinations should be performed during refueing outage. See QA-513-J form with tracking number ER-ONS-08-09 for more details.         O2.G16.1.0003       2-50-7.ELBOW         Class 1 50       2-50-7 (2)         O1-ISIN4-100A-2.1       NDE-995         Dissimilar       Elbow Base Metal         Dissimilar       Elbow Base Metal         Drain Line Piping that branches off of Reactor Coolant Pump 2B2 Suction Piping (J-Leg). On weld iso 2-50-7(2) examine the elbow base metal on the elbow associated with welds 8 and 9.         Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection on 2B2 cold leg. This examination is for the elbow base metal on the elbow associated with welds 8 and 9.         Augmented Inspection by ultrasonic examination to iden	· ·			9. Augmented Ins piping downstre NDE-995 for de NRC Commitm RCS drain line and the elbow l Dave Peltola fre	spection by eam of the f etails on the ent for MRF piping down pase metal.	ultrasonic ex CCS connecting areas to be 2-146 requirent istream of the Procedure N	amination to ion on 2B2 c examined fo s an ultrasor e RCS conn DE-995 sha	identify thermal old leg. This exa r this weld.□ nic examination t ection. Examinat Il be used to per	fatigue cracking on the fatigue cracking on the fatigment of the fatigment	he inside surface 2-50-7-9. See Fig gue cracking on ds (located at ea	of RCS drain line ure 1 in procedure the inside surface of ch end of the elbow) al information, contact
Class 1 50       2-50-7 (2) O-ISIN4-100A-2.1       NDE-995       UT       SS       0.281 / 1.900       50202 Component         Dissimilar       Elbow Base Metal       Elbow Base Metal       Drain Line Piping that branches off of Reactor Coolant Pump 2B2 Suction Piping (J-Leg). On weld iso 2-50-7(2) examine the elbow base metal on the elbow associated with welds 8 and 9.         Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection on 2B2 cold leg. This examination is for the elbow base metal on the elbow associated with welds 8 and 9.         NRC Commitment for MRP-146 requires an ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. Examination includes both welds (located at each end of the elbow) and the elbow base metal. Procedure NDE-995 shall be used to perform the UT examination. For additional information, contact Dave Peltola from the Oconee Civil Engineering Section. The welds/areas for G16.1 items are to be examined once every ten years from the start date (Unit 2 EOC-24). The examinations should be performed during refueling outage. See QA-513-J form with tracking number ER-ONS-08-09 for more				examinations s	s for G16.1	items are to	be examine	d once every ten	years from the start of -513-J form with track	date (Unit 2 EOC ing number ER-0	C-24). The ONS-08-09 for more
Class 1       50       2-50-7 (2) O-ISIN4-100A-2.1       NDE-995       UT       SS       0.281 / 1.900       50202 Component         Dissimilar       Elbow Base Metal       Elbow Base Metal       Elbow Base Metal       Drain Line Piping that branches off of Reactor Coolant Pump 2B2 Suction Piping (J-Leg). On weld iso 2-50-7(2) examine the elbow base metal on the elbow associated with welds 8 and 9.         Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection on 2B2 cold leg. This examination is for the elbow base metal on the elbow associated with welds 8 and 9.         NCC Commitment for MRP-146 requires an ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. Examination includes both welds (located at each end of the elbow) and the elbow base metal. Procedure NDE-995 shall be used to perform the UT examination. For additional information, contact Dave Peltola from the Oconee Civil Engineering Section.         The welds/areas for G16.1 items are to be examined once every ten years from the start date (Unit 2 EOC-24). The examination should be performed during refueling outage. See QA-513-J form with tracking number ER-ONS-08-09 for more	D2.G16.1.0003 2-	2-50-7-ELBOW									
Elbow Base Metal Drain Line Piping that branches off of Reactor Coolant Pump 2B2 Suction Piping (J-Leg). On weld iso 2-50-7(2) examine the elbow base metal on the elbow associated with welds 8 and 9. Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection on 2B2 cold leg. This examination is for the elbow base metal on the elbow associated with welds 8 and 9. See Figure 5 in procedure NDE-995 for details on the areas to be examined for this elbow. NRC Commitment for MRP-146 requires an ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. Examination includes both welds (located at each end of the elbow) and the elbow base metal. Procedure NDE-995 shall be used to perform the UT examination. For additional information, contact Dave Peltola from the Oconee Civil Engineering Section. The welds/areas for G16.1 items are to be examined once every ten years from the start date (Unit 2 EOC-24). The examinations should be performed during refueling outage. See QA-513-J form with tracking number ER-ONS-08-09 for more		Class 1 50	2-50-7 (2)	NDE-995	UT	SS		0.281 / 1.900			
Elbow Base Metal Drain Line Piping that branches off of Reactor Coolant Pump 2B2 Suction Piping (J-Leg). On weld iso 2-50-7(2) examine the elbow base metal on the elbow associated with welds 8 and 9. Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection on 2B2 cold leg. This examination is for the elbow base metal on the elbow associated with welds 8 and 9. See Figure 5 in procedure NDE-995 for details on the areas to be examined for this elbow. NRC Commitment for MRP-146 requires an ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. Examination includes both welds (located at each end of the elbow) and the elbow base metal. Procedure NDE-995 shall be used to perform the UT examination. For additional information, contact Dave Peltola from the Oconee Civil Engineering Section. The welds/areas for G16.1 items are to be examined once every ten years from the start date (Unit 2 EOC-24). The examinations should be performed during refueling outage. See QA-513-J form with tracking number ER-ONS-08-09 for more	Dissimilar						,				
elbow base metal on the elbow associated with welds 8 and 9. Augmented Inspection by ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection on 2B2 cold leg. This examination is for the elbow base metal on the elbow associated with welds 8 and 9. See Figure 5 in procedure NDE-995 for details on the areas to be examined for this elbow. NRC Commitment for MRP-146 requires an ultrasonic examination to identify thermal fatigue cracking on the inside surface of RCS drain line piping downstream of the RCS connection. Examination includes both welds (located at each end of the elbow) and the elbow base metal. Procedure NDE-995 shall be used to perform the UT examination. For additional information, contact Dave Peltola from the Oconee Civil Engineering Section. The welds/areas for G16.1 items are to be examined once every ten years from the start date (Unit 2 EOC-24). The examinations should be performed during refueling outage. See QA-513-J form with tracking number ER-ONS-08-09 for more				Elbow Base Me	etal						
	· · · · · · · · · · · · · · · · · · ·	• •		Drain Line Pipin elbow base me Augmented Ins piping downstre associated with NRC Commitm RCS drain line and the elbow h Dave Peltola fro The welds/area examinations s	ng that bran tal on the e spection by eam of the f welds 8 ar ent for MRF piping dowr base metal. for the Oco is for G16.1	bow associa ultrasonic ex RCS connecti d 9. See Figu P-146 require istream of the Procedure N nee Civil Eng items are to	ted with weld amination to ion on 2B2 c ure 5 in proc s an ultrasor e RCS conno DE-995 sha jineering Sed be examined	ds 8 and 9. identify thermal old leg. This exa edure NDE-995 nic examination t ection. Examinat II be used to per- ction. d once every ten	fatigue cracking on the mination is for the elb for details on the area to identify thermal fati ion includes both wel- form the UT examinat years from the start of	he inside surface oow base metal c as to be examine gue cracking on t ds (located at ea tion. For addition date (Unit 2 EOC	of RCS drain line on the elbow d for this elbow.□ the inside surface of ch end of the elbow) al information, contact 2-24). The
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Summary Num <i>Category Aug</i>	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet
	0.0004.40	•							
O2.G2.1.0001	2-PDB1-46 Class 1 50	ISI-OCN2-013 B&W146629E	NDE-680	UT	CS ·		2.500 / 3.500	40410 40350	G02.001
		O-ISIN4-100A-2.1							
							side radius (knu ithout Engineerin		e Section 7 of the ISI Plan, General
O2.G2.1.0002	2-PDA2-46								1
	Class 1 50	ISI-OCN2-012 B&W146629E	NDE-680	UT	CS		2.500 / 3.500	40410 40350	G02.001
		O-ISIN4-100A-2.1							
								s (knuckle area). Re gineering approval.	ference Section 7 of the ISI Plan,
O2.G2.1.0003	2-PDA1-46							~	
	Class 1 50	ISI-OCN2-011 B&W146629E	NDE-680	UT	CS	·	2.500 / 3.500	. 40410 40350	G02.001
		O-ISIN4-100A-2.1							
		~						s (knuckle area). Re ingineering approval	ference Section 7 of the ISI Plan,
O2.G2.1.0004	2-PDB2-46	•							
	Class 1 50	ISI-OCN2-014	NDE-680	UT	CS		-2.500 / 3.500	40410	G02.001
		B&W146629E						40350	
		O-ISIN4-100A-2.1							
							nside radius (knu rithout Engineerir		ce Section 7 of the ISI Plan, Genera1
O2.G2.1.0005	2-PDA1-11								
	Class 1 50	ISI-OCN2-011	PDI-UT-10	UT ·	SS-CS		0.750 / 3.500	40416	G02.001
Circumferential Dissimilar		B&W146629E O-ISIN4-100A-2.1						•	
			Nozzle to Safe	e End					· .
		•	General Requ	irements. T	his schedule o	cannot be ch	anged without E	Engineering approva	eld. Reference Section 7 of the ISI Pla I. 9 on rev . 11 of iso 2RC-204.
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Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Cor	nponenet ID 2
Category Aug										
O2.G2.1.0006	2-PDA2-11									
Circumferential Dissimilar	Class 1 50	ISI-OCN2-012 B&W146629E O-ISIN4-100A-2.1	PDI-UT-10	UT	SS-CS		0.750 / 3.500	40416		G02.001.006
Dissimilar		0-10114-100A-2.1	Nozzle to Saf	o End						
•			2A2 Make-Up General Requ	Nozzle Pc.4 uirements. Tl	his schedule	cannot be cl	nanged without	Engineering approva	reld. Reference Section 7 of I. 22 on rev . 10 of iso 2RC-203	
O2.G2.1.0007	2-PDB2-11									
Circumferential Dissimilar		ISI-OCN2-014 B&W146629E O-ISIN4-100A-2.1	PDI-UT-10	UT	SS-CS	~	0.750 / 3.500	40416		G02.001.006
•			Nozzle to Saf	e End					•	
								e to safe end weld. F Engineering approva	Reference Section 7 of the IS I.	l Plan,
O2.G2.1.0008	2-PDB1-11	North Control of Contr								
	Class 1 50	ISI-OCN2-013	PDI-UT-10	UΤ	SS-CS		0.750 / 3.500	40416		G02.001.006
Circumferential		B&W146629E	ر							
Dissimilar	•	O-ISIN4-100A-2.1		- End	. · ·					
			This weld was	ele Pc.46 to S s cut out and	welded back	in EOC-20.	The new weld is		6 on rev . 8 of iso 2RC-202. hanged without Engineering	approval.
O2.G2.1.0009	2-PDB1-47	•								
· · ·	Class 1 50 <sup>~</sup>	ISI-OCN2-013 B&W146629E O-ISIN4-100A-2.1	PDI-UT-10	UT	SS		0.750 / 3.500	40416		G02.001.007
				o pipe weld).	Reference S				ween the nozzle to safe end This schedule cannot be cha	
								·.		

Oconee 2, 4th Interval, outage 4 (EOC-24)

Summary Num	Component ID Class / Systen		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID
Category Aug									
O2.G2.1.0010	2-PDB2-47		<u>.</u>		· · · · ·	· · · · · · · ·			
	Class 1 50	ISI-OCN2-014	PDI-UT-10	ÚT	SS		0.750 / 3.500	40416	G02.001.00
		B&W146629E O-ISIN4-100A-2.1							. · ·
				o pipe weld).	Reference S				een the nozzle to safe end weld and his schedule cannot be changed
O2.G2.1.0011	2-PDA1-47								
	Class 1 50	ISI-OCN2-011	PDI-UT-10	UT	SS		0.750 / 3.500	40416	G02.001.00
•		B&W146629E O-ISIN4-100A-2.1	-						-
		·	Safe End Pc. and the safe e without Engin	end to pipe w	eld). Referen	zle 2A1. Pe ce Section 7	erform UT on the of the ISI Plan,	Safe End base metal General Requirement	(between the nozzle to safe end weld s. This schedule cannot be changed
O2.G2.1.0012	2-PDA2-47	· ·				1.1.1.1 PPA			
	Class 1 50	ISI-OCN2-012 B&W146629E O-ISIN4-100A-2.1	PDI-UT-10	UT	SS		0.750 / 3.500	40416	G02.001.00
	·	0 10114 1007 2.1		end to pipe w	eld). Referen				(between the nozzle to safe end weld s. This schedule cannot be changed .
O2.G2.1.0013	2RC-204-37		-,-,-					<u> </u>	
	Class 1 50	2RC-204	NDE-995	UT	SS		0.375 / 2.500	Component	G02.001.00
		B&W146629E		-				40378	
Circumferential		O-ISIN4-100A-2.1							
			Safe End to P	Pipe					
			Weld 2RC-20 Weld 2RC-20 Reference Se	4-18 was cut 4-28 was cut ction 7 of the	out and repla out and repla ISI Plan, Ge	aced with we aced with we neral Requi	eld 2RC-204-28 c eld 2RC-204-37 c rements. This so	luring EOC-20. luring EOC-23. chedule cannot be cha	veld 2RC-204-20 (at valve 2HP-127). Inged without Engineering approval. G04.001.029(O2.G4.1.0024).

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2			Occ	nee 2, 4th	Interval, outa	ge 4 (EOC-	24)			
Summary Num Category Aug	Component IE Class / Systen		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	•	Componenet ID 2
02.G2.1.0014	2RC-202-17	1				<u>.</u>		<u> </u>		
	Class 1 50	2RC-202 B&W146629E	NDE-995	UT	. SS		0.375 / 2.500	Component 40378		G02.001.008
Circumferential										
		O-ISIN4-100A-2.1	Safe End to P	ipe						
		,	Reference Se Weld 2RC-20 This schedule	ction 7 of th 2-1 was cut e cannot be	e ISI Plan, Ge out and repla- changed with	eneral Requi ced with well out Enginee	rements. d 2RC-202-17 du ering approval.	se metal out to weld,2 iring EOC-20. the requirements for		e 2HP-153).
O2.G2.1.0015	2RC-203-32									
Circumferential	Class 1 50	2RC-203 B&W146629E	NDE-995	UT	SS		0.375 / 2.500	Component 40378	-1	G02.001.008
Circumferential		O-ISIN4-100A-2.1								
			Safe End to P	ipe		.*				
			Make-Úp Noz Reference Se Weld 2RC-20	zle 2A2. Pe ction 7 of th 3-2 was cut	e ISI Plan, Ge out and repla	eneral Requi	rements. This so d 2RC-203-21 du			
				pection perf			eld 2RC-203-32 d umber will satisfy	the requirements for	G04.001.027(Sumn	nary Number
O2.G2.1.0016	2RC-205-1					1				
	Class, 1 50	2RC-205 B&W146629E	NDE-995	UT	SS .		0.375 / 2.500	Component 40378	. ~	G02.001.008
Circumferential	•	O-ISIN4-100A-2.1								•
			Safe End to P						·	
					e ISI Plan, Ge	eneral Requi		e metal out to weld 2R chedule cannot be cha		
N				pection perf	ormed for this	G02 item n	umber will satisfy	the requirements for	G04.001.004.	

		Th	is report inclu Oco		inges throu nterval, outa	-				•
Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Col	mponenet ID 2
Category Aug			oonniento							
O2.G2.1.0017	2RC-203-3							<u></u>		
	Class 1 50	2RC-203 B&W146629E	NDE-995	UT	SS		0.375 / 2.500	Component 40378	· ·	G02.001.010
Circumferential		O-ISIN4-100A-2.1								
			Pipe to Valve							
			Requirements	This sched	dule cannot b	e changed v	vithout Engineeri		ection 7 of the ISI Plan, Gene for G04.001.028.	rali
O2.G2.1.0018	2RC-202-19									
	Class 1 50	2RC-202 B&W146629E	NDE-995	UT	SS		0.375 / 2.500	Component 40378		G02.001.010
Circumferential										
		O-ISIN4-100A-2.1	Pipe to Valve						· ·	
	-		HPI Nozzle 2E Requirements Weld 2RC-202	. This scheo 2-3 was cut o	dule cannot b out and repla	e changed v ed with wel	vithout Engineer d 2RC-202-19 du	ng approval.	on 7 of the ISI Plan, General for G04.001.003.	
O2.G2.1.0019	2RC-204-20									- <u> </u>
O'an (an 11 1	Class 1 50	2RC-204 B&W146629E	NDE-995	UT	SS		0.375 / 2.500	Component 40378		G02.001.010
Circumferential		O-ISIN4-100A-2.1	,					·		
			Dis a ta Malua							
			Pipe to Valve							
			Make-Up Noz Requirements	. This scheo	dule cannot b	e changed w	ithout Engineeri		Section 7 of the ISI Plan, Gen for G04.001.030.	eral
	2RC-205-3		Make-Up Noz Requirements	. This scheo	dule cannot b	e changed w	ithout Engineeri	ng approval.		eral
		2RC-205 B&W146629E	Make-Up Noz Requirements	. This scheo	dule cannot b	e changed w	ithout Engineeri	ng approval.		
O2.G2.1.0020		B&W146629E	Make-Up Noz: Requirements Note: The insp	. This scheo pection perfo	dule cannot b rmed for this	e changed w	vithout Engineeri umber will satisfy	ng approval. the requirements Component		G02.001.010
O2.G2.1.0020 Circumferential			Make-Up Noz: Requirements Note: The insp	. This scheo pection perfo	dule cannot b rmed for this	e changed w	vithout Engineeri umber will satisfy	ng approval. the requirements Component		

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	Component ID Class / Systen		Procedure Ďescription Comments	Insp Req	Material Sched	Thick/NPS	Cal Blocks	Co	mponenet ID 2
Category Aug						-			
O2.G2.1.0021	2A2 THERM-S								
Circumferential	Class 1 50	ISI OCN2-012 B&W146629E O-ISIN4-100A-2.1	NDE-105	ŖT	SS	0.750 / 3.500			G02.001.011E
		0-101114-1007-2.1	Make-Up Noz area as descr changed with	ibed in Proce	dure NDE-105. Referer	ozzle to safe end a the Section 7 of th	and safe end to pipe w e ISI Plan, General Re	eld in the thermal sleeve equirements. This schedu	expansion ile cannot be
O2.G2.1.0022	2B1 THERM-S	LEEVE							<u> </u>
Circumferential	Class 1 50	ISI OCN2-013 B&W146629E O-ISIN4-100A-2.1	NDE-105	RT	SS	0.750 / 3.500			G02.001.0110
				Procedure ND	E-105. Reference Sect			the thermal sleeve expanents. This schedule canno	
O2.G2.1.0023	2A1 THERM-S	LEEVE			· · · · · · · · · · · · · · · · · · ·				
•	Class 1 50	ISI OCN2-011	NDE-105	RT	SS	0.750 / 3.500			G02.001.011A
Circumferential		B&W146629E O-ISIN4-100A-2.1							
,			Make-Up Noz area as descr changed witho	ibed in Proce	jure NDE-105. Referer	ozzle to safe end a ice Section 7 of th	and safe end to pipe w e ISI Plan, General Re	eld in the thermal sleeve o equirements. This schedu	expansion Ile cannot be
O2.G2.1.0024	2B2 THERM-S	LEEVE			·		_		
				DT					
	Class 1 50	ISI OCN2-014	NDE-105	RT	SS	0.750 / 3.500		· ·	G02.001.011
Circumferential	Class 1 50	ISI OCN2-014 B&W146629E O-ISIN4-100A-2.1	NDE-105	RI	55	0.750 / 3.500		· · ·	G02.001.011[
Circumferential	Class 1 50	B&W146629E	HPI Nozzle 28	32. Perform F Procedure ND	RT between the nozzle E-105. Reference Sect	to safe end and sa	afe end to pipe weld in n, General Requireme	the thermal sleeve expar ents. This schedule canno	ision area as
Circumferential 02.G4.1.0001	2RC-202-17	B&W146629E O-ISIN4-100A-2.1	HPI Nozzle 26 described in F	32. Perform F Procedure ND	RT between the nozzle E-105. Reference Sect	to safe end and sa	afe end to pipe weld in an, General Requireme	the thermal sleeve expanents. This schedule cannot	ision area as
		B&W146629E O-ISIN4-100A-2.1	HPI Nozzle 26 described in F	32. Perform F Procedure ND	RT between the nozzle E-105. Reference Sect	to safe end and sa	afe end to pipe weld in an, General Requireme Component 40378	the thermal sleeve exparents. This schedule cannot	ision area as
	2RC-202-17	B&W146629E O-ISIN4-100A-2.1 2RC-202	HPI Nozzle 26 described in F changed with	32. Perform F Procedure ND put Engineeri	RT between the nozzle E-105. Reference Sect ng approval.	to safe end and sa ion 7 of the ISI Pla	n, General Requireme	the thermal sleeve exparents. This schedule canno	nsion area as bt be
O2.G4.1.0001	2RC-202-17	B&W146629E O-ISIN4-100A-2.1 2RC-202	HPI Nozzle 26 described in F changed with	32. Perform F Procedure ND put Engineeri UT	RT between the nozzle E-105. Reference Sect ng approval.	to safe end and sa ion 7 of the ISI Pla	n, General Requireme	the thermal sleeve exparents. This schedule cannot	nsion area as bt be
O2.G4.1.0001	2RC-202-17	B&W146629E O-ISIN4-100A-2.1 2RC-202	HPI Nozzle 26 described in F changed with NDE-995 Pipe to Safe 8 Inspect 100% 51A-39 was r Weld 2RC-20	32. Perform F Procedure ND but Engineeri UT UT End of weld &1" c edrawn. Refe 2-1 was cut o	RT between the nozzle E-105. Reference Sect ng approval. SS	to safe end and sa ion 7 of the ISI Pla 0.375 / 2.500 circumferential). ISI Plan, General eld 2RC-202-17 du	n, General Requireme Component 40378 This weld was listed p Requirements. Iring EOC-20.	ents. This schedule canno	G04.001.00*

	Component ID Class / System		Procedure Description Comments	insp Req	Material	Sched	Thick/NPS	Cal Blocks	Cor	nponenet ID 2
Category Aug										
O2.G4.1.0002 Circumferential	2RC-202-19 Class 1 51A	2RC-202 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	· · ·	G04.001.00
		х. Х	Pipe to Valve	2HP-153						
			51A-39 was i Weld 2RC-20	redrawn. Refe 2-3 was cut o	erence Section	n 7 of the IS ed with weld	l Plan, General F I 2RC-202-19 du			ntil iso 2-
O2.G4.1.0003	2RC-205-1									
02.0	Class 1 51A	2RC-205 Q-ISIN4-100A-2.1	NDE-995	UT	SS		0.375 / 2.500	Component 40378		G04.001.00
Circumferential		0-10114-1007-2.1		-				40010		
			Pipe to Safe-I	End						
			51A-39 wası	redrawn. Refe	erence Section	n 7 of the IS	I Plan, General F	This weld was listed prev Requirements. quirements for this G04 ir		until iso 2-
O2.G4.1.0004	2RC-205-3 Class 1 51A		NDE-995	UT	SS		0.375 / 2.500	Component		G04.001.00
Circumferential		O-ISIN4-101A-2.4						40378		·
Circumerentia										
Circumerentia			Pipe to Valve	2HP-152						
			Inspect 100% 51A-39 was i	of weld &1" of redrawn. Refe	erence Section	n 7 of the IS	I Plan, General F	This weld was listed prev Requirements. quirements for this G04 ir	·	ntil iso 2-
O2.G4.1.0005	2HP-218-18		Inspect 100% 51A-39 was i	of weld &1" of redrawn. Refe	erence Section	n 7 of the IS	I Plan, General F	Requirements.	·	ntil iso 2-
	2HP-218-18 Class 1 51A	2HP-218 O-ISIN4-101A-2.4	Inspect 100% 51A-39 was i	of weld &1" of redrawn. Refe	erence Section	n 7 of the IS	I Plan, General F	Requirements.	·	
			Inspect 100% 51A-39 was i Note: The ins	of weld &1" ( redrawn. Refe pection perfo	erence Sectior rmed for G02.	n 7 of the IS	I Plan, General F /ill satisfy the req	Requirements. quirements for this G04 ir Component	·	ntil iso 2-
O2.G4.1.0005			Inspect 100% 51A-39 was i Note: The ins	of weld &1" of redrawn. Refe pection perfor UT	erence Sectior rmed for G02.	n 7 of the IS	I Plan, General F /ill satisfy the req	Requirements. quirements for this G04 ir Component	·	
O2.G4.1.0005			Inspect 100% 51A-39 was in Note: The ins NDE-995 Elbow to Pipe Inspect 100% 51A-27 (2) w Reference Se	of weld &1" of redrawn. Refe pection perfo UT of weld &1" of as redrawn. ection 7 of the	erence Sectior rmed for G02. SS of base mater e ISI Plan, Ger	n 7 of the IS .001.010D w rial (axial & c neral Requin	I Plan, General F /ill satisfy the req 0.375 / 2.500 	Requirements. quirements for this G04 ir Component	nspection. viously as 2-51A-27-73 u	G04.001.00

Oconee 2, 4th Interval, outage 4 (EOC-24)

Summary Num	Component II Class <i>L</i> Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug								۱ <u>ــــــــــــــــــــــــــــــــــــ</u>	-
O2.G4.1.0006	2HP-214-13 Class 1 51A	2HP-214	NDE-995	UT	SS		0.375 / 2.500	Component	G04.001.01
		O-ISIN4-101A-2.4		•	00			40378	
Circumferential		1							
			Pipe to Elbow	,					
			Inspect 100%	of weld &1"				This weld was listed previo ral Requirements.	usly <sub>-</sub> as 2-51A-27-108 until iso 2-
O2.G4.1.0007	2HP-214-15					,			
	Class 1 51A	2HP-214 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.01
Circumferential		0 10114 1017 2.1						10010	. ,
			Pipe to Valve	2HP-488					
			Inspect 100%	of weld & 1'				. This weld was originally 2 ISI Plan, General Requirer	-51A-27-110. It was cut out during nents.
O2.G4.1.0008	2RC-202-4			· ·					
Circumferential	Class 1 51A	2RC-202 O-ISIN4-101A-2.4	NDE-12	RT	SS		0.375 / 2.500		G04.001.01
			Valve 2HP-48	8 to Vaive 2	HP-153				
			Use Procedur weld as acces Use procedur	re NDE-995 t ss permits. e NDE-12 to	o perform a c perform RT c	on 100% of t	the weld and a qu		ase metal on each side of the etal on each side of the weld. or this item number
O2.G4.1.0008	2RC-202-4		3ee FIF # 0-	99-02 137 an		-040751016			
02.04.1.0000		2RC-202	NDE-995	UT	SS		0.375 / 2.500	Component	G04.001.013
		O-ISIN4-101A-2.4						40378	
Circumferential									
			Valve 2HP-48	8 to Valve 2	HP-153				
		/	weld as acces Use procedur	ss permits. e NDE-12 to	perform RT of	on 100% of t	he weld and a qι		ase metal on each side of the etal on each side of the weld. or this item number.
· · ·					÷			、 -	

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			000	onee 2, 4th l	nterval, outa	ge 4 (EOC-2	24)		
Summary Num	Component ID Class / Systen		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.G4.1.0009	2RC-203-4								
Circumferential	Class 1 51A	2RC-203 O-ISIN4-101A-2.4	NDE-12	RT	SS		0.375 / 2.500	· · ·	G04.001.07
			Valve 2HP-48	6 to Valve 2	HP-126				·
			weld as acces Use procedure	s permits. NDE-12 to	perform RT c	on 100% of tl	he weld and a qu		ase metal on each side of the etal on each side of the weld. or this item number.
O2.G4.1.0009	2RC-203-4	··		•					
	Class 1 51A	2RC-203 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.01
Circumferential			*						
Circumferential			Valve 2HP-48	6 to Valve 2I	HP-126				
Circumferential	· ·		Use Procedur weld as acces Use procedure	e NDE-995 t is permits. e NDE-12 to	o perform a c perform RT c	on 100% of ti	he weld and a qu		ase metal on each side of the etal on each side of the weld. or this item number.
Circumferential	2RC-204-4		Use Procedur weld as acces Use procedur See PIP # O-5	e NDE-995 t is permits. e NDE-12 to 99-02157 an	o perform a c perform RT c d PIP # O-01-	on 100% of ti	he weld and a qu kamination meth	larter of an inch of base me	etal on each side of the weld. or this item number.
	2RC-204-4 Class 1 51A	2RC-204 O-ISIN4-101A-2.4	Use Procedur weld as acces Use procedure	e NDE-995 t is permits. e NDE-12 to	o perform a c perform RT c	on 100% of ti	he weld and a qu	larter of an inch of base me	etal on each side of the weld.
O2.G4.1.0010			Use Procedur weld as acces Use procedur See PIP # O- NDE-12	e NDE-995 t is permits. e NDE-12 to 99-02157 and RT	o perform a c perform RT c d PIP # O-01- SS	on 100% of ti	he weld and a qu kamination meth	larter of an inch of base me	etal on each side of the weld. or this item number.
O2.G4.1.0010			Use Procedur weld as acces Use procedur See PIP # O- NDE-12 Valve 2HP-48	e NDE-995 t is permits e NDE-12 to 99-02157 an RT 7 to Valve 21	o perform a c perform RT c d PIP # O-01- SS HP-127	on 100% of ti -04673 for ex	he weld and a qu kamination meth 0.375 / 2.500	uarter of an inch of base me ods and area of coverage fo	etal on each side of the weld. or this item number. G04.001.01
O2.G4.1.0010			Use Procedur weld as acces Use procedur See PIP # O- NDE-12 Valve 2HP-48 Use Procedur weld as acces Use procedur	e NDE-995 t is permits. e NDE-12 to 99-02157 and RT 7 to Valve 21 e NDE-995 t is permits. e NDE-12 to	o perform a c perform RT c d PIP # O-01 SS HP-127 o perform a c perform RT c	on 100% of ti -04673 for ex circumferentia	he weld and a qu kamination meth 0.375 / 2.500 al scan of the we he weld and a qu	uarter of an inch of base me ods and area of coverage fo eld and half of an inch of ba	etal on each side of the weld. or this item number. G04.001.0 <sup>7</sup> ase metal on each side of the etal on each side of the weld.
O2.G4.1.0010			Use Procedur weld as acces Use procedur See PIP # O- NDE-12 Valve 2HP-48 Use Procedur weld as acces Use procedur	e NDE-995 t is permits. e NDE-12 to 99-02157 and RT 7 to Valve 21 e NDE-995 t is permits. e NDE-12 to	o perform a c perform RT c d PIP # O-01 SS HP-127 o perform a c perform RT c	on 100% of ti -04673 for ex circumferentia	he weld and a qu kamination meth 0.375 / 2.500 al scan of the we he weld and a qu	uarter of an inch of base me ods and area of coverage fo eld and half of an inch of ba uarter of an inch of base me	etal on each side of the weld. or this item number. G04.001.0 <sup>7</sup> ase metal on each side of the etal on each side of the weld.
O2.G4.1.0010 Circumferential	Class 1 51A	O-ISIN4-101A-2.4	Use Procedur weld as acces Use procedur See PIP # O- NDE-12 Valve 2HP-48 Use Procedur weld as acces Use procedur	e NDE-995 t is permits. e NDE-12 to 99-02157 and RT 7 to Valve 21 e NDE-995 t is permits. e NDE-12 to	o perform a c perform RT c d PIP # O-01 SS HP-127 o perform a c perform RT c	on 100% of ti -04673 for ex circumferentia	he weld and a qu kamination meth 0.375 / 2.500 al scan of the we he weld and a qu	uarter of an inch of base me ods and area of coverage fo eld and half of an inch of ba uarter of an inch of base me	etal on each side of the weld. or this item number. G04.001.0 <sup>7</sup> ase metal on each side of the etal on each side of the weld.
O2.G4.1.0010 Circumferential O2.G4.1.0010	Class 1 51A 2RC-204-4	O-ISIN4-101A-2.4 2RC-204	Use Procedur weld as acces Use procedur See PIP # O-5 NDE-12 Valve 2HP-48 Use Procedur weld as acces Use procedur See PIP # O-5	e NDE-995 t is permits. e NDE-12 to 99-02157 an RT 7 to Valve 21 e NDE-995 t is permits. e NDE-12 to 99-02157 and	o perform a c perform RT c d PIP # O-01- SS HP-127 o perform a c perform RT c d PIP # O-01-	on 100% of ti -04673 for ex circumferentia	he weld and a qu kamination meth 0.375 / 2.500 al scan of the we he weld and a qu kamination meth 0.375 / 2.500	uarter of an inch of base me ods and area of coverage fo eld and half of an inch of ba uarter of an inch of base me ods and area of coverage fo Component	etal on each side of the weld. or this item number. G04.001.07 ise metal on each side of the etal on each side of the weld. or this item number.
O2.G4.1.0010 Circumferential O2.G4.1.0010	Class 1 51A 2RC-204-4	O-ISIN4-101A-2.4 2RC-204	Use Procedur weld as acces Use procedur See PIP # O-5 NDE-12 Valve 2HP-48 Use Procedur weld as acces Use procedur See PIP # O-5	e NDE-995 t is permits. a NDE-12 to 99-02157 and RT 7 to Valve 21 e NDE-995 t is permits. e NDE-12 to 99-02157 and UT	o perform a c perform RT c d PIP # O-01 SS HP-127 o perform a c perform RT c d PIP # O-01- SS	on 100% of th -04673 for ex circumferentia on 100% of th -04673 for ex	he weld and a qu kamination meth 0.375 / 2.500 al scan of the we he weld and a qu kamination meth 0.375 / 2.500	uarter of an inch of base me ods and area of coverage fo eld and half of an inch of ba uarter of an inch of base me ods and area of coverage fo Component	etal on each side of the weld. or this item number. G04.001.07 ise metal on each side of the etal on each side of the weld. or this item number.
O2.G4.1.0010 Circumferential	Class 1 51A 2RC-204-4	O-ISIN4-101A-2.4 2RC-204	Use Procedur weld as acces Use procedur See PIP # O-5 NDE-12 Valve 2HP-48 Use Procedur weld as acces Use procedur See PIP # O-5 NDE-995 Valve 2HP-48	e NDE-995 t is permits. e NDE-12 to 39-02157 and RT 7 to Valve 21 e NDE-995 t is permits. e NDE-12 to 39-02157 and UT 7 to Valve 21 e NDE-995 t	o perform a c perform RT c d PIP # O-01 SS HP-127 o perform a c perform RT c d PIP # O-01 SS HP-127	on 100% of ti -04673 for ex circumferentia on 100% of ti -04673 for ex	he weld and a qu kamination meth 0.375 / 2.500 al scan of the we he weld and a qu kamination meth 0.375 / 2.500	uarter of an inch of base me ods and area of coverage fo eld and half of an inch of ba uarter of an inch of base me ods and area of coverage fo Component 40378	etal on each side of the weld. or this item number. G04.001.07 ise metal on each side of the etal on each side of the weld. or this item number.

Oconee 2, 4th Interval, outage 4 (EOC-24)

	Component IE Class / Systen		Procedure Description Comments	Insp Req	Material	Sched Thic	k/NPS Cal Blo	cks		Componenet ID 2
Category Aug										
O2.G4.1.0011	2RC-205-4									
	Class 1 51A		NDE-12	RT	SS	0.375	/ 2.500	-		G04.001.016
Circumferential		O-ISIN4-101A-2.4					1		-	
			Valve 2HP-48	9 to Valve 2	HP-152					
			weld as acces	ss permits.	,	n 100% of the weld				
		<b>`</b> .	See PIP # O-	99-02157 an	d PIP # O-01	-04673 for examinati	ion methods and are	a of coverage fi	or this item nun	nber.
O2.G4.1.0011	2RC-205-4									
	Class 1 51A	2RC-205	NDE-995	UT,	SS	0.375	/ 2.500 Compone	nt		G04.001.016
		O-ISIN4-101A-2.4					40378			
Circumferential	,									
		•	Valve 2HP-48	9 to Valve 2	HP-152	•				
						virgumferential scan	of the weld and half	of an inch of ha	se metal on ea	ich side of the
			weld as acce: Use procedur	ss permits. e NDE-12 to	perform RT c	on 100% of the weld -04673 for examinati	and a quarter of an i	nch of base m	etal on each sid	de of the weld.
O2.G4.1.0012	2HP-214-14	-	weld as acce: Use procedur	ss permits. e NDE-12 to	perform RT c	on 100% of the weld	and a quarter of an i	nch of base m	etal on each sid	te of the weld.
O2.G4.1.0012	2HP-214-14 Class 1 51A	- 2HP-214	weld as acce: Use procedur	ss permits. e NDE-12 to	perform RT c	on 100% of the weld -04673 for examinati	and a quarter of an i	nch of base m a of coverage f	etal on each sid	de of the weld. hber.
O2.G4.1.0012		2HP-214 O-ISIN4-101A-2.4	weld as acce: Use procedur See PIP # O-	ss permits. e NDE-12 to 99-02157 an	perform RT c d PIP # O-01	on 100% of the weld -04673 for examinati	and a quarter of an i on methods and are	nch of base m a of coverage f	etal on each sid	de of the weld. hber.
O2.G4.1.0012 Circumferential			weld as acce: Use procedur See PIP # O-	ss permits. e NDE-12 to 99-02157 an	perform RT c d PIP # O-01	on 100% of the weld -04673 for examinati	and a quarter of an i on methods and are / 2.500 Component	nch of base m a of coverage f	etal on each sid	de of the weld. nber.
			weld as acce Use procedur See PIP # O- NDE-995	ss permits. e NDE-12 to 99-02157 an	perform RT c d PIP # O-01	on 100% of the weld -04673 for examinati	and a quarter of an i on methods and are / 2.500 Component	nch of base m a of coverage f	etal on each sid	de of the weld. nber.
			weld as acces Use procedur See PIP # O- NDE-995 Elbow to Pipe	ss permits. e NDE-12 to 99-02157 an UT	perform RT c d PIP # O-01 SS	on 100% of the weld -04673 for examinati 0.375	and a quarter of an i on methods and are / 2.500 Compone 40378	nch of base m a of coverage f nt	etal on each sic or this item nun	de of the weld. <u>aber.</u> G04.001.017
			weld as acces Use procedur See PIP # O- NDE-995 Elbow to Pipe Inspect 100%	ss permits. e NDE-12 to 99-02157 an UT of weld & 1"	perform RT c d PIP # O-01 SS	on 100% of the weld -04673 for examinati	and a quarter of an i on methods and are / 2.500 Compone 40378 ferential). This weld v	nch of base m a of coverage f nt ; vas listed previ	etal on each sic or this item nun	de of the weld. <u>aber.</u> G04.001.017
			weld as acces Use procedur See PIP # O- NDE-995 Elbow to Pipe Inspect 100%	ss permits. e NDE-12 to 99-02157 an UT of weld & 1"	perform RT c d PIP # O-01 SS	on 100% of the weld -04673 for examinati 0.375 lerial (axial & circumf	and a quarter of an i on methods and are / 2.500 Compone 40378 ferential). This weld v	nch of base m a of coverage f nt ; vas listed previ	etal on each sic or this item nun	de of the weld. <u>aber.</u> G04.001.017
Circumferential	Class 1 51A	O-ISIN4-101A-2.4	weld as acces Use procedur See PIP # O- NDE-995 Elbow to Pipe Inspect 100%	ss permits. e NDE-12 to 99-02157 an UT of weld & 1"	perform RT c d PIP # O-01 SS	on 100% of the weld -04673 for examinati 0.375 erial (axial & circumf ection 7 of the ISI Pla	and a quarter of an i on methods and are / 2.500 Compone 40378 ferential). This weld v	nch of base m a of coverage for ht ; vas listed previ ments.	etal on each sic or this item nun	de of the weld. her. G04.001.017 -27-109 until iso 2-
Circumferential	Class 1 51A 2HP-216-7	O-ISIN4-101A-2.4	weld as acce Use procedur See PIP # O- NDE-995 Elbow to Pipe Inspect 100% 51A-27 (3) w	ss permits. e NDE-12 to 99-02157 an UT of weld & 1" as redrawn.	perform RT o d PIP # O-01 SS of base mat Reference So	on 100% of the weld -04673 for examinati 0.375 erial (axial & circumf ection 7 of the ISI Pla	and a quarter of an i on methods and are / 2.500 Compone 40378 ferential). This weld v an, General Require	nch of base m a of coverage for ht ; vas listed previ ments.	etal on each sic or this item nun	de of the weld. her. G04.001.017 -27-109 until iso 2-
Circumferential	Class 1 51A 2HP-216-7	O-ISIN4-101A-2.4 2HP-216	weld as acce Use procedur See PIP # O- NDE-995 Elbow to Pipe Inspect 100% 51A-27 (3) w	ss permits. e NDE-12 to 99-02157 an UT of weld & 1" as redrawn.	perform RT o d PIP # O-01 SS of base mat Reference So	on 100% of the weld -04673 for examinati 0.375 erial (axial & circumf ection 7 of the ISI Pla	and a quarter of an i on methods and are / 2.500 Componen 40378 ferential). This weld v an, General Require / 2.500 Componen	nch of base m a of coverage for ht ; vas listed previ ments.	etal on each sic or this item nun	de of the weld. her. G04.001.017 -27-109 until iso 2-
Circumferential	Class 1 51A 2HP-216-7	O-ISIN4-101A-2.4 2HP-216	weld as acce Use procedur See PIP # O- NDE-995 Elbow to Pipe Inspect 100% 51A-27 (3) w NDE-995	of weld & 1" as redrawn	perform RT o d PIP # O-01 SS of base mat Reference So	on 100% of the weld -04673 for examinati 0.375 erial (axial & circumf ection 7 of the ISI Pla	and a quarter of an i on methods and are / 2.500 Componen 40378 ferential). This weld v an, General Require / 2.500 Componen	nch of base m a of coverage for ht ; vas listed previ ments.	etal on each sic or this item nun	de of the weld. her. G04.001.017 -27-109 until iso 2-
Circumferential	Class 1 51A 2HP-216-7	O-ISIN4-101A-2.4 2HP-216	weld as acces Use procedur See PIP # O- NDE-995 Elbow to Pipe Inspect 100% 51A-27 (3) w NDE-995 Pipe to Elbow	of weld & 1" UT	perform RT o d PIP # O-01 SS of base mat Reference So SS	on 100% of the weld -04673 for examinati 0.375 terial (axial & circumf ection 7 of the ISI Pla 0.375	and a quarter of an i on methods and are / 2.500 Componen 40378 ferential). This weld v an, General Require / 2.500 Componen 40378	nch of base m a of coverage f nt ; was listed previ ments	etal on each sic or this item nun ously as 2-51A	de of the weld. <u>aber.</u> G04.001.017 -27-109 until iso 2- G04.001.018
Circumferential	Class 1 51A 2HP-216-7	O-ISIN4-101A-2.4 2HP-216	weld as acces Use procedur See PIP # O- NDE-995 Elbow to Pipe Inspect 100% 51A-27 (3) w NDE-995 Pipe to Elbow Inspect 100%	of weld & 1" UT	perform RT o d PIP # O-01 SS of base mate Reference So SS	on 100% of the weld -04673 for examinati 0.375 erial (axial & circumf ection 7 of the ISI Pla	and a quarter of an i on methods and are / 2.500 Componen 40378 ferential). This weld v an, General Require / 2.500 Componen 40378	nch of base m a of coverage f nt ; was listed previ ments. nt	etal on each sic or this item nun ously as 2-51A	de of the weld. <u>aber.</u> G04.001.017 -27-109 until iso 2- G04.001.018
Circumferential	Class 1 51A 2HP-216-7	O-ISIN4-101A-2.4 2HP-216	weld as acces Use procedur See PIP # O- NDE-995 Elbow to Pipe Inspect 100% 51A-27 (3) w NDE-995 Pipe to Elbow Inspect 100%	of weld & 1" UT	perform RT o d PIP # O-01 SS of base mate Reference So SS	on 100% of the weld -04673 for examinati 0.375 terial (axial & circumf 0.375 0.375	and a quarter of an i on methods and are / 2.500 Componen 40378 ferential). This weld v an, General Require / 2.500 Componen 40378	nch of base m a of coverage f nt ; was listed previ ments. nt	etal on each sic or this item nun ously as 2-51A	de of the weld. <u>aber.</u> G04.001.017 -27-109 until iso 2- G04.001.018

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Oconee 2, 4th Interval, outage 4 (EOC-24)

Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched .	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									· · ·
O2.G4.1.0014	2HP-216-8	•							
	Class 1 51A	2HP-216	NDE-995	UT	SS		0.375 / 2.500	Component	G04.001.019
		O-ISIN4-101A-2.4						40378	
Circumferential									
			Elbow to Pipe	2					
			Inspect 100%	of weld & 1	' of base mate erence Section	erial (axial & o n 7 of the ISI	circumferential). Plan, General I	This weld was listed pro Requirements.	eviously as 2-51A-30-52 until iso 2-
O2.G4.1.0015	2HP-216-9								
	Class 1 51A	2HP-216	NDE-995	UT	SS		0.375 / 2.500	Component	G04.001.02(
		O-ISIN4-101A-2.4						40378	
Circumferential									•
			Pipe to Valve	2HP-486		,			
							circumferential). Plan, General F		eviously as 2-51A-30-54 until iso 2-
O2.G4.1.0016	2HP-217-10								
· .	Class 1 51A	2HP-217	NDE-995	UT	SS		0.375 / 2.500	Component	G04.001.021
		O-ISIN4-101A-2.4						40378	
Circumferential								,	
			Pipe to Elbov	,					
L	•		Inspect 100%	of weld & 1			circumferential). Plan, General F		eviously as 2-51A-30-28 until iso 2-
O2.G4.1.0017	2HP-217-11								
02.04.1.0017	Class 1 51A	2HP-217	NDE-995	UT	SS		0.375 / 2.500	Component	G04.001.022
		O-ISIN4-101A-2.4		•				40378	
Circumferential									
				~					
	· .		Elbow to Pipe	;		-			
			Inspect 100% 51A-30 was r	of weld & 1' edrawn. Refe	of base mate erence Section	erial (axial & on 7 of the ISI	circumferential). Plan, General F	. This weld was listed pre Requirements.	eviously as 2-51A-30-29 until iso 2-
			1					•	

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`			Occ	onee 2, 4th li	nterval, outag	e 4 (EOC-2	24)		
Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug							1		
O2.G4.1.0018	2HP-217-12 Class 1 51A	2HP-217 O-ISIN4-101A-2.4	NDE-995	UT ·	SS		0.375 / 2.500	Component 40378	G04.001.02
Circumferential									
			Pipe to Valve					, 	, 
· .			Inspect 100% 51A-30 was re	of weld & 1" edrawn. Refe	of base mate rence Sectior	rial (axial & 7 of the IS	: circumferential). I Plan, General F	This weld was listed previou Requirements.	sly as 2-51A-30-31 until iso 2-
O2.G4.1.0019	2HP-218-20	0110 049		UT	SS		0.375 / 2.500	Component	G04.001.02
Circumferential	Class 1 51A	O-ISIN4-101A-2.4	NDE-995	UT	55		0.37572.500	Component 40378	604.001.02
			Pipe to Elbow						
			Inspect 100% 51A-27 (2) wa	of weld & 1" is redrawn. F	of base mate leference Sec	rial (axial & tion 7 of the	circumferential). e ISI Plan, Gener	This weld was listed previou al Requirements.	sly as 2-51A-27-79 until iso 2-
O2.G4.1.0020	2HP-218-21					······································			
	Class 1 51A	2HP-218 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component > 40378	G04.001.02
Circumferential									
	~		Elbow to Pipe						
	<u>~</u>		Inspect 100%	of weld & 1"	of base mate leference Sec	erial (axial & tion 7 of the	circumferential) e ISI Plan, Gene	. This weld was listed previou ral Requirements.	usly as 2-51A-27-80 until iso 2-
			· ·				· · · · · · ·	the second se	
O2.G4.1.0021	2HP-218-22 Class 1 51A	2HP-218 O-ISIN4-101A-2.4	NDE-995	UT	SS		0.375 / 2.500	Component 40378	G04.001.02

Pipe to Valve 2HP-489

Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements.

This	report inc	ludes all	changes	through a	ddendum	ONS2-107
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Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Com	ponenet ID 2
Category Aug						_				
O2.G4.1.0022	2RC-203-32	· ·					· .			
	Class 1 50	2RC-203 B&W146629E	NDE-995	UT	SS		0.375 / 2.500	Component 40378		G04.001.02
Circumferential		O-ISIN4-100A-2.1								
		、 、	Safe End to F	Pipe						
			Inspect 100%		of base mate	erial (axial &	circumferential)	Reference Section 7 of	of the ISI Plan, General	
		-	Weld 2RC-20 Weld 2RC-20	3-2 was cut o 3-21 was cut	out and repla	ced with wel	2RC-203-21 du d 2RC-203-32 d 2.G2.1.0015) w	luring EOC-23.	nts for this G4 (O2.G4.1.0	)22)
O2.G4.1.0023	2RC-203-3									
	Class 1 50	2RC-203 B&W146629E	NDE-995	UT,	SS		0.375 / 2.500	Component 40378	· .	G04.001.028
Circumferential	.*	O-ISIN4-100A-2.1		•					•	
		0-13114-100A-2.1	Pipe to Valve	2HP-126						•
· .			Requirements	S.				. Reference Section 7 of uirements for this G04	of the ISI Plan, General	
O2.G4.1.0024	2RC-204-37									
	Class 1 50	2RC-204 B&W146629E	NDE-995	UT `	SS		0.375 / 2.500	Component 40378		G04.001.029
Circumferential		O-ISIN4-100A-2.1								
			Safe End to F	Pipe						
			Inspect 100% Requirements Weld 2RC-20 Weld 2RC-20	of weld & 1" s. 14-18 was cut 14-28 was cut	out and repla	iced with wel iced with wel	d 2RC-204-28 d d 2RC-204-37 d	luring EOC-20. luring EOC-23 per Revis	of the ISI Plan, General son 15 of Iso 2RC-204. tisfy the requirements for t	his G4
	· ·		•							
	1								· · · · · · · · · · · · · · · · · · ·	•

Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Co	omponenet ID 2
Category Aug			oonments				·			•
O2.G4.1.0025	2RC-204-20									
•	Class 1 50	2RC-204 B&W146629E	NDE-995	UT	SS		0.375 / 2.500	Component 40378		G04.001.03(
Circumferential		O-ISIN4-100A-2.1								
			Pipe to Valve	2HP-127						. •
			Inspect this w	eld at the same	me time item	number G02	2.001.010A is ins	pected.	7 of the ISI Plan, General F guirements for the G04 insp	
Category B-B		· · · · · · · · · · · · · · · · · · ·		poonon pono					·	
O2.B2.11.0002	2-PZR-WP28		1997 - S.V.							
	Class 1 50	ISI-OCN2-002 OM-1201-456	PDI-UT-7	UT	CS		4.750 / 84.000	50470A		B02.011.002
Circumferential										
			Head to Htr. E	Belt Shell / Fo	orginġ					
							Pc. 4 and Lower H 7 for sizing purp	Heater Belt Forging oses.	Pc. 40.	
O2.B2.11.0002	2-PZR-WP28									
	Class 1 50	ISI-OCN2-002 OM-1201-456	NDE-640	UT	CS		4.750 / 84.000	40394 40338		B02.011.002
Circumferential										
			Head to Htr. E	Belt Shell / Fo	oraina					
	-		Pressurizer L	ower Head Po	c. 6 to Heater	r Belt Shell F lure PDI-UT-	Pc. 4 and Lower H 7 for sizing purp	Heater Belt Forging loses.	<sup>5</sup> c. 40.	
O2.B2.11.0002	2-PZR-WP28						<u> </u>			
	Class 1 50	ISI-OCN2-002 OM-1201-456	NDE-820	UT	CS		4.750 / 84.000	40394 40338		B02.011.002
Circumferential							× ,	- • •		
			Head to Htr. 8	Belt Shell / Fo	orging					
			Pressurizer Lo Cal block 504	ower Head Po 70 to be used	c. 6 to Heater d with Proced	r Belt Shell F lure PDI-UT-	c. 4 and Lower F 7 for sizing purpe	Heater Belt Forging I oses.	<sup>2</sup> c. 40.	
				÷.						
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Summary Num	Component II Class / Syster		Procedure Description Comments	insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-B		×							
O2.B2.12.0002	2-PZR-WP7-1						-		
	Class 1 50	ISI-OCN2-002 OM-1201-456	NDE-820	UT	CS		6.188 / 0.000	40338 40394	B02.012.00
Longitudinal		CM-1201-400						40004	
			Htr. Belt Shel	I to Htr. Belt I	Forging				
			Pressurizer H Inspect only of	eater Belt Shone foot of the	ell Pc. 4 to L e longitudinal	.ower / Uppe weld, starti	er Heater Belt For ng from the cente	rging Pc. 40 / 4 erline of the adj	<ol> <li>Y-Z Quadrant. acent circumferential weld (2-PZR-WP28).</li> </ol>
O2.B2.12.0002	2-PZR-WP7-1	· · · · · ·			<u> </u>				
	Class 1 50	ISI-OCN2-002 OM-1201-456	, NDE-640	UT	CS		6.188 / 0.000	40338 40394	B02.012.00
Longitudinal									
				Lite Lite Delt					
				eater Belt Sh	ell Pc. 4 to L				<ol> <li>Y-Z Quadrant. acent circumferential weld (2-PZR-WP28).</li> </ol>
Category B-D					storigitadina	· · · · ·	ng nom me oome		
O2.B3,110,0002	2-PZR-WP34					·			
	Class 1 50	ISI-OCN2-002	NDE-820	UT	CS		4.750 / 7.750	40394	B03.110.00
Circumferential	•	OM-1201-456 B&W149769E							
			Nozzle to Hea	ad					
			Pressurizer S	pray Nozzle	Pc. 9 to Uppe	er Head Pc	. 5.		· · · · · · · · · · · · · · · · · · ·
O2.B3.110.0002	2-PZR-WP34	~							
Circumferential	Class 1 50	ISI-OCN2-002 OM-1201-456	NDE-640	UT	CS	-	4.750 / 7.750	40394	B03.110.00
Circumferential		B&W149769E							
		· · ·	Nozzle to Hea	ad					
			Pressurizer S	pray Nozzle I	Pc. 9 to Uppe	er Head Pc.	. 5.		
O2.B3.110.0003	2-PZR-WP33-3	3					-		
	Class 1 50	ISI-OCN2-002	NDE-640	UT	CS		4.750 / 6.875	40394	B03.110.00
Circumferential		OM-1201-456 B&W149770E							
			Nozzle to Hea						
			Pressurizer R	elief Nozzle I	Pc. 31 to Upp	per Head Pc	. 5. Z-W Quadra	nt.	
1 .			``						
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Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blo	cks Co	mponenet ID 2
Category B-D										
O2.B3.110.0003	2-PZR-WP33-3									
	Class 1 50-		NDE-820	UT	CS		4.750 / 6.875	40394		B03.110.003
		OM-1201-456 B&W149770E								
			Nozzle to Hea	ıd						
			Pressurizer R	elief Nozzle F	Pc. 31 to Upp	er Head Pc	. 5. Z-W Quadra	nt.		
O2.B3.110.0005	2-PZR-WP33-1									
Circumferential		ISI-OCN2-002 OM-1201-456 B&W149770E	NDE-640	UT	CS		4.750 / 6.875	40394		B03.110.005
		DavinorioL	Nozzle to Hea	ıd						/
					Pc. 31 to Upn	er Head Pc	5. W-X Quadra	nt.		
O2.B3.110.0005	2-PZR-WP33-1									
02.00.110.0000		ISI-OCN2-002	NDE-820	UT	CS		4.750 / 6.875	40394	-	B03.110.00
Circumferential		OM-1201-456 B&W149770E		2.						
		Davitation	Nozzle to Hea	h				• • • •		
					Pc 31 to Upp	er Head Pc	. 5. W-X Quadra	nt		
O2.B3.120.0002	2-PZR-WP34								-	
02.03.120.0002	Class 1 50	ISI-OCN2-002 B&W149768E	NDE-3620	UT	ĊS		2.125 / 7.750	40394		B03.120.002
-			Nozzle to Hea	d						
					Pc 9 to Linne	r Head Po	5. (Inside Radius	Section)		
O2.B3.120.0003					c. 5 to oppe	i riedu i c.				
02.83.120.0003		ISI-OCN2-002 B&W149770E	NDE-3620	UT	CS		2.310 / 6.875	40394		B03.120.003
			Nozzle to Hea	d						
				-	20. 21 to Uno		E 7 M Quadra	nt: (Incido	Dadius Section)	
							5. Z-W Quadra		(addus Section)	
O2.B3.120.0004	2-PZR-WP33-2	ISI-OCN2-002		UT	CS		2.310 / 6.875	40394		B03.120.004
		B&W149770E	NDE-3620	, ,	03		2,3107 0.875	40394	· ,	B03.120.00 <sup>2</sup>
		•	Nozzle to Hea	d						
•					Pr. 31 to Llon	er Head Po	5. X-Y Quadrar	nt (Inside F	adius Section)	
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Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-D								· · · · ·	
O2.B3.120.0005	2-PZR-WP33- <sup>-</sup> Class 1 50	1 ISI-OCN2-002	NDE-3620	UT	CS		2.310 / 6.875	40394	B03.120.00
		B&W149770E							
			Nozzle to Hea						
Category B-F			Pressurizer R	elief Nozzle	Pc. 31 to Upp	per Head Po	. 5. W-X Qradran	t. (Inside Radius Section	on)
O2.B5.10.0001	2-RPV-WR53								
、	Class 1 50	ISI-OCN2-001	54-ISI-823	UT	SS-CS		1.688 / 15.625	8034675	B05.010.001, B05.010.001/
Circumferential Terminal End	•.	OM-1201-1528						-	
Dissimilar								×	
			the Reactor V through PDI.	ore Flood No essel on this	s weld will be	substituted	for this surface ex	kam (B05.010.001A)	mated UT performed from the ID of ) Procedures must be qualified cted to perform this inspection.
			B5.10 items of 24 outage. W Case N-663 of Reactor Vess	of the 1998 E e will determ annot be use el Exam sch from the ID	dition thru the nine if Code C ed for the B5 eduled during by UT method	e 2000 Adde ase N-663 ( 10 item surf (2EOC-26.	enda of the Section can be used to co face exams, we w The vendor for th	n XI Code. We will take ver the surface exam th vill have to perform a UT e Reactor Vessel exam	o met the Code Requirements for e credit for the UT exam in the 2EOC- nat is scheduled in 2EOC-26. If Code T from the ID during the 10 year is will have to be qualifed to detect NS-002 for details on the UT
	-	-							
x		· ·							

	• •		is report inclu Occ		nterval, outa	-		·	- -	
Summary Num	Component IE Class / Systen		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	с	omponenet ID
Category B-F						·				
O2.B5.10.0002	2-RPV-WR53A Class 1 50	ISI-OCN2-001	54-ISI-823	) UT	SS-CS	***	1.688 / 15.625	8034675	· · ·	B05.010.00 B05.010.00
Circumferential Terminal End Dissimilar		OM-1201-1528		'n	•				•	
<b>`</b>			the Reactor V through PDI.	ore Flood No 'essel on this	s weld will be	substituted f	or this surface ex	am (B05.010	e automated UT performed fro 0.002A)Procedures must be q contracted to perform this insp	ualified
	<b>c</b> .		B5.10 items o 24 outage. W Case N-663 o Reactor Vess	of the 1998 E e will determ annot be use el Exam sch from the ID I	dition thru the ine if Code C ed for the B5. eduled during by UT method	2000 Adde ase N-663 c 10 item surfa 2EOC-26. 1	nda of the Sectio an be used to co ace exams, we w The vendor for the	n XI Code. We w ver the surface e ill have to perfor e Reactor Vesse	ns) also met the Code Require vill take credit for the UT exam xam that is scheduled in 2EO m a UT from the ID during the I exams will have to be qualife and ONS-002 for details on th	in the 2EOC- C-26. If Code 10 year d to detect
Category B-G-1										
					· · · · · · · · · · · · · · · · · · ·					
O2.B6.60.0001	2-PZR-MW-ST Class 1 50	UDS B&W149775E OM 1201-858	PDI-UT-5	UT	CS		0.000 / 2.750	40425		B06.060.
		B&W149775E			1		·			B06.060.
O2.B6.60.0001	Class 1 50	B&W149775E OM 1201-858			1	Studs, Stud	0.000 / 2.750 Length = 14.875"			B06.060.0
	Class 1 50 2-PZR-MW-NU	B&W149775E OM 1201-858			1	Studs, Stud I	·			
O2.B6.60.0001 O2.B6.80.0001	Class 1 50 2-PZR-MW-NU	B&W149775E OM 1201-858 TS OM-1201-1135 O-ISIN4-100A-2.1	Pressurizer M NDE-62	VT-1.	s Pc. 67. 12 s CS		Length = 14.875"			
O2.B6.60.0001	Class 1 50 2-PZR-MW-NU	B&W149775E OM 1201-858 TS OM-1201-1135 O-ISIN4-100A-2.1	Pressurizer M NDE-62	VT-1.	s Pc. 67. 12 s CS		Length = 14.875"			B06.060.0
O2.B6.60.0001 O2.B6.80.0001	Class 1 50 2-PZR-MW-NU Class 1 50 2-SGA-UHHC-S	B&W149775E OM 1201-858 TS OM-1201-1135 O-ISIN4-100A-2.1 OM 1201-858 STUDS OM-201.S-0001 OM-201.S-0171	Pressurizer M NDE-62	VT-1.	s Pc. 67. 12 s CS		Length = 14.875"			
O2.B6.60.0001 O2.B6.80.0001 <b>Category B-G-2</b>	Class 1 50 2-PZR-MW-NU Class 1 50 2-SGA-UHHC-3	B&W149775E OM 1201-858 TS OM-1201-1135 O-ISIN4-100A-2.1 OM 1201-858 STUDS OM-201.S-0001	Pressurizer M NDE-62 Pressurizer M NDE-62	VT-1 VT-1 VT-1 VT-1 ator 2A Uppe nuts) tuds and nut	s Pc. 67. 12 S CS Pc. 68. Exan SS er Head Hand s.	nination inclu	Length = 14.875" 0.000 / 2.750 udes bushings ar	ud washers.		B06.080.

(8 studs and nu Examine all stu Stud Length = NDE-62 Decay Heat Su	uts) ids and nut 10.94 inche VT-1	ls. es. SS	0.000 / 1.250 hole (primary) Cover Studs 0.000 / 1:000	s and Nuts.	1 or 2LP-2. Examine all s	
Steam Generat (8 studs and nu Examine all stu Stud Length = 7 NDE-62 Decay Heat Su	tor 2B Uppe Its) Ids and nut 10.94 inche VT-1	er Head Handh Is. es. SS	nole (primary) Cover Studs	s and Nuts.	1 or 2LP-2. Examine all s	B07.070.00
Steam Generat (8 studs and nu Examine all stu Stud Length = 7 NDE-62 Decay Heat Su	tor 2B Uppe Its) Ids and nut 10.94 inche VT-1	er Head Handh Is. es. SS	nole (primary) Cover Studs	s and Nuts.	1 or 2LP-2. Examine all s	B07.070.00
Steam Generat (8 studs and nu Examine all stu Stud Length = 7 NDE-62 Decay Heat Su	tor 2B Uppe Its) Ids and nut 10.94 inche VT-1	er Head Handh Is. es. SS	nole (primary) Cover Studs	s and Nuts.	1 or 2LP-2. Examine all s	B07.070.00
(8 studs and nu Examine all stu Stud Length = NDE-62 Decay Heat Su	uts) ids and nut 10.94 inche VT-1	ls. es. SS	0.000 / 1:000	i	1 or 2LP-2. Examine all s	
(8 studs and nu Examine all stu Stud Length = NDE-62 Decay Heat Su	uts) ids and nut 10.94 inche VT-1	ls. es. SS	0.000 / 1:000	i	1 or 2LP-2. Examine all s	
Decay Heat Su					1 or 2LP-2. Examine all s	
Decay Heat Su					1 or 2LP-2. Examine all s	B07.070.007
	ction 12" V	/alve 2LP-1 Bo	Iting. Inspect one of the fo	llowing valves: 2LP-1	1 or 2LP-2. Examine all s	tuds and nuts.
NDE-35	ΡT	SS-CS	2.330 / 33.500	D.		B09.011.006,
						B09.011.006A
Safe End to Elb	, DOW					
	nt Pump 2A	1 Discharge P	iping. Safe End Pc. 49 to E	Elbow Pc. 53.		
i - 119 - 119 - 119 - 119 - 119 - 119 - 119 - 119 - 119 - 119 - 119 - 119 - 119 - 119 - 119 - 119 - 119 - 119 -						
EPRI-DMW-	UT	SS-CS	2.330 / 33.500	0 40350		B09.011.006,
PA-1				40397		B09.011.0064
					r	
Reactor Coolan	nt Pump 2A	1 Discharge P	iping. Safe End Pc. 49 to E	Elbow Pc. 53.		
	PA-1 Safe End to Elt Reactor Coolar	PA-1 Safe End to Elbow	PA-1 Safe End to Elbow Reactor Coolant Pump 2A1 Discharge P	PA-1 Safe End to Elbow Reactor Coolant Pump 2A1 Discharge Piping. Safe End Pc. 49 to I	PA-1 40397 Safe End to Elbow Reactor Coolant Pump 2A1 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53.	PA-1 40397 Safe End to Elbow Reactor Coolant Pump 2A1 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53.



Summary Num	Component I Class / Syste		Procedure In Description Comments	nsp Req	Material	Sched Thick/NPS	Cal Blocks		Componenet ID 2
Category B-J						<u></u>	····		¢
O2.B9.11.0007	2-PDA2-2 Class 1 50	ISI-OCN2-012	NDE-35	PT	SS-CS	2.330 / 33.500			B09.011.007, B09.011.007/
Circumferential Dissimilar Stress Weld		OM-1201-966							
			Safe End to Elbo	w					
			Reactor Coolant	Pump 2A	2 Discharge P	iping. Safe End Pc. 49 to El	oow Pc. 53.		
O2.B9.11.0007	2-PDA2-2			· · · · ·					
	Class 1 50	ISI-OCN2-012 - OM-1201-966	EPRI-DMW- PA-1	UT	SS-CS	2.330 / 33.500	40350 40397		B09.011.007, B09.011.007 <i>F</i>
Circumferential Dissimilar								·	
Stress Weld									
			Safe End to Elbo		2 Discharge P	iping. Safe End Pc. 49 to Ell	now Pc 53		
O2.B9.11.0008	2-PDB1-2								
02.03.11.0000	Class 1 50	ISI-OCN2-013	NDE-35	РТ	SS-CS	2.330 / 33.500			B09.011.008, B09.011.008/
Circumferential Dissimilar Stress Weld		OM-1201-966							
			Safe End to Elbo	w			-		
			Reactor Coolant Code Case N-62	Pump 2B 24	1 Discharge P	iping. Safe End Pc. 49 to Ell	oow Pc. 53.		
O2.B9.11.0008	2-PDB1-2								
	Class 1 50	ISI-OCN2-013 OM-1201-966	EPRI-DMW- PA-1	UT	SS-CS	2.330 / 33.500	40350 40397		B09.011.008, B09.011.008/
Circumferential Dissimilar Stress Weld									
			Safe End to Elbo	w					
			Reactor Coolant Code Case N-62	Pump 2B	1 Discharge P	iping. Safe End Pc. 49 to Ell	oow Pc. 53.		
•									1.

Summary Num	Component I Class / Syste		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J		·							•
O2.B9.11.0009	2-PDB2-2								
	Class 1 $^{>}$ 50	ISI-OCN2-014	NDE-35	PT	SS-CS		2.330 / 33.500	-	B09.011.009 B09.011.009
Circumferential		OM-1201-966							
Dissimilar									
Stress Weld					-			,	-
	-		Safe End to E						
<u>'</u>			Reactor Coola	Int Pump 28	2 Discharge P	iping. Safe	End Pc. 49 to Ell	bow Pc. 53.	
O2.B9.11.0009	2-PDB2-2	ISI-OCN2-014		цт <sup>.</sup>			0 000 ( 00 500	40050	<b>Dop 011 00</b>
	Class 1 50	OM-1201-966	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397	B09.011.009 B09.011.009
Circumferential		0101-1201-900						40397	
Dissimilar									
Stress Weld								·	
			Safe End to E	lbow					
			Reactor Coola	int Pump 2B	2 Discharge P	iping. Safe	End Pc. 49 to Ell	bow Pc. 53.	
O2.B9.11.0012	2-PIA1-7								
	Class 1 50	ISI-OCN2-007	NDE-35	PT	SS-CS		3.000 / 33.500		B09.011.012 B09.011.012
Circumferential		OM-1201-966							
Dissimilar									
Stress Weld									
		,	Pipe to Safe E	nd					
			Reactor Coola	int Pump 2A	1 Suction Pipir	ng. Pipe P	c. 56 to Safe End	Pc. 55.	-
O2.B9.11.0012	2-PIA1-7								
	Class 1 50	ISI-OCN2-007	EPRI-DMW-	UT	SS-CS		3.000 / 33.500	40350	B09.011.012
Circumferential	х	OM-1201-966	PA-1					40397	B09.011.012
Dissimilar						-			•
Stress Weld									
			Pipe to Safe E						
			Reactor Coola	nt Pump 2A	1 Suction Pipir	ng. Pipe P	c. 56 to Safe End	Pc. 55.	

Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks		Componenet ID 2
Category B-J		-					-			
O2.B9.11.0013	2-PIA2-7									
	Class 1 50	ISI-OCN2-008	NDE-35	PT	SS-CS		2.330 / 33.500			B09.011.013, B09.011.013/
Circumferential Dissimilar Stress Weld		OM-1201-966							· · ·	
			Pipe to Safe E	Ind						÷
			Reactor Coola	ant Pump 2A	2 Suction Pip	ing. Pipe P	c. 56 to Safe End	I Pc. 55. Code Case	e N-624.	
O2.B9.11.0013	2-PIA2-7				•.					······································
	Class 1 50	ISI-OCN2-008 OM-1201-966	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397		B09.011.013, B09.011.013/
Circumferential Dissimilar Stress Weld	· ·		) *		-	-				· .
	•		Pipe to Safe E Reactor Coola		2 Suction Pip	ing. Pipe P	c. 56 to Safe End	Pc. 55. Code Case	N-624.	-
O2.B9.11.0014	2-PIB1-7									
	Class 1 50	ISI-OCN2-009	NDE-35	PT	SS-CS		2.330 / 33.500			B09.011.014, B09.011.014/
Circumferential Dissimilar Stress Weld		OM-1201-966								
			Pipe to Safe E	Ind						
			Reactor Coola	int Pump 2B	1 Suction Pip	ing. Pipe Po	c. 56 to Safe End	Pc. 55.		
O2.B9.11.0014	2-PIB1-7	-			-			~		
	Class 1 50	ISI-OCN2-009 OM-1201-966	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397		B09.011.014, B09.011.014/
Circumferential Dissimilar Stress Weld		5	·							
	,		Pipe to Safe E Reactor Coola		1 Suction Pip	ing. Pipe Po	c. 56 to Safe End	Pc. 55.		

Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	c	componenet ID 2
Category B-J	· · · · · · · · · · · · · · · · · · ·									
O2.B9.11.0015	2-PIB2-7	<u>,</u>							*	
	Class 1 50	ISI-OCN2-010	NDE-35	PT	SS-CS		2.330 / 33.500			B09.011:015, B09.011.015/
Circumferential		OM-1201-966								•
Dissimilar										
Stress Weld										
	•		Pipe to Safe E	End						
			Reactor Coola	ant Pump 2B	32 Suction Pip	ing. Pipe P	c. 56 to Safe End	I Pc. 55.		
O2.B9.11.0015	2-PIB2-7									
	Class 1 50	ISI-OCN2-010 OM-1201-966	EPRI-DMW- PA-1	UT	SS-CS		2.330 / 33.500	40350 40397		B09.011.015, B09.011.015/
Circumferential									· .	
Dissimilar									;	
Stress Weld										
			Pipe to Safe E	End					• .	
			Reactor Coola	ant Pump 2B	2 Suction Pip	ing. Pipe P	c. 56 to Safe End	Pc. 55.		
O2.B9.11.0020	2RC-279-88V						· · ·		· · · · · · · · · · · · · · · · · · ·	
	Class 1 50	ISI-OCN2-005	NDE-25	MT	CS .		3.500 / 36.000			
Circumferential		2RC-279								
Terminal End		O-ISIN4-100A-2.1					~			
		·	Nozzle to Pipe	e						
,			Sream Gener Weld 88V is li 2A Hot Leg Pi	sted on weld			g ISI-OCN2-005 i	s listed as the iso	to show where the weld is lo	cated on the
O2.B9.11.0020	2RC-279-88V							•		/
	Class 1 50	ISI-OCN2-005	NDE-600	UT	CS		3.500 / 36.000	Component		B09.011.020, B09.011.020/
Circumferential		2RC-279							,	
Terminal End		O-ISIN4-100A-2.1		,						
			Nozzle to Pipe	9						
			Sream Genera Weld 88V is li 2A Hot Leg Pi	sted on weld	Nozzle to Hot I iso 2RC-279	t Leg. but drawing	g ISI-OCN2-005 i	s listed as the iso	to show where the weld is lo	cated on the

This report includes al	I changes through	h addendum ONS2-107
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Oconee 2, 4th Interval, outage 4 (EOC-24)

Summary Num	Component II Class / Syster		Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks		Componenet ID 2
	Class / Syster		Description Comments							
Category B-J		·								
O2.B9.11.0046	2-PIA1-8									κ.
	Class 1 50	ISI-OCN2-007	PDI-UT-2	UT	SS		2.330 / 33.500	Component	· .	B09.011.046
		OM-1201-966						40397		B09.011.046
•		•	•					50214		
Circumferential							L.			
Ferminal End							-			
Stress Weld									,	
			Casing to Sa		<u> </u>					
			calibration. P shall be used side. The sup the code exa	rocedure PD . Procedure plemental ex m (performed allows us to e	I-UT-2 may b NDE-830 and xam is being p d using NDE-6 exclude the su	e used in lie Cal Block 5 performed a 500 or PDI-U	u of procedure NI 50386 are to be us s requested by Jir JT-2).	DE-600. If PDI-UT sed only for a sup m McArdle which	plemental UT perform will be used to justify	alibration block listed
02.89.11.0046	2-PIA1-8					1	•			
	Class 1 50	ISI-OCN2-007	NDE-830	UT	SS		2.330 / 33.500	Component		B09.011.04
		OM-1201-966			r		i	40397		`B09.011.04
								50214		·
Circumferential										,
Ferminal End				,						~
Stress Weld										
			Casing to Sa						· · · · · · · · · · · · · · · · · · ·	
									cedure NDE-600 use	s the component for alibration block listed
• ;	<i>V</i>		shall be used	. Procedure	NDE-830 and	Cal Block 5	0386 are to be us	sed only for a sup	plemental UT perform	ied from the pump
			side. The sup	plemental ex	kam is being p	performed a	s requested by Ji	m McArdle which	will be used to justify	limited coverage from
			the code exa					nterval ISI Plan	See PIP G-08-00185 (	CA # 7) for details on
			the exclusion				"			
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			000	onee 2, 4th Ir	Oconee 2, 4th Interval, outage 4 (EOC-24)										
Summary Num	Component ID Class / System	∴ ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks		Componenet ID 2					
Category B-J															
O2.B9.11.0053	0,000 . 00	ISI-OCN2-012 OM-1201-966	NDE-830	UT	SS		2.330 / 33.500	Component 40397 50214		B09.011.053 B09.011.053					
Circumferential Terminal End Stress Weld								Ę	·						
·	-		for calibration.	ant Pump 2A Procedure F	2 Discharge Pipi 2DI-UT-2 may be	e used in	lieu of procedure	Safe End Pc. 49. Proce NDE-600. If PDI-UT-2	2 is used, then the	calibration block					
	-		Reactor Coola for calibration. listed shall be pump side. Th coverage from	ant Pump 2A; Procedure F used. Proce the supplement the code ex llows us to et	2 Discharge Pipi 2DI-UT-2 may be dure NDE-830 a ntal exam is beir am (performed u xclude the surfa	e used in and Cal Bl ng perforn using NDI	lieu of procedure lock 50386 are to ned as requested E-600 or PDI-UT	NDE-600. If PDI-UT-2 be used only for a sup by Jim McArdle which	2 is used, then the pplemental UT per h will be used to jus	calibration block formed from the stify limited					
O2.B9.11.0053	2-PDA2-1 Class 1 50	1SI-OCN2-012	Reactor Coola for calibration listed shall be pump side. Th coverage from Code N-663 a the exclusion	ant Pump 2A; Procedure F used. Proce- ne supplemen the code ex llows us to e: of surface ex	2 Discharge Pipi 2DI-UT-2 may be dure NDE-830 a ntal exam is beir am (performed o xclude the surfa ams.	e used in and Cal Bl ng perforn using NDI	lieu of procedure lock 50386 are to ned as requested E-600 or PDI-UT from the Fourth I	NDE-600. If PDI-UT-2 be used only for a sup by Jim McArdle which -2). nterval ISI Plan. See F	2 is used, then the pplemental UT per h will be used to jus	calibration block formed from the stify limited A # 7) for details on					
O2.B9.11.0053	Class 1 50	ISI-OCN2-012 OM-1201-966	Reactor Coola for calibration. listed shall be pump side. Th coverage from Code N-663 a	ant Pump 2A; Procedure F used. Proce the supplement the code ex llows us to et	2 Discharge Pipi 2DI-UT-2 may be dure NDE-830 a ntal exam is beir am (performed u xclude the surfa	e used in and Cal Bl ng perforn using NDI	lieu of procedure lock 50386 are to ned as requested E-600 or PDI-UT	NDE-600. If PDI-UT-2 be used only for a sup by Jim McArdle which -2). nterval ISI Plan. See F	2 is used, then the pplemental UT per h will be used to jus	calibration block formed from the stify limited					
O2.B9.11.0053 Circumferential Terminal End Stress Weld	Class 1 50		Reactor Coola for calibration listed shall be pump side. Th coverage from Code N-663 a the exclusion	ant Pump 2A; Procedure F used. Proce- ne supplemen the code ex llows us to e: of surface ex	2 Discharge Pipi 2DI-UT-2 may be dure NDE-830 a ntal exam is beir am (performed o xclude the surfa ams.	e used in and Cal Bl ng perforn using NDI	lieu of procedure lock 50386 are to ned as requested E-600 or PDI-UT from the Fourth I	NDE-600. If PDI-UT-2 be used only for a sup by Jim McArdle which -2). nterval ISI Plan. See F Component 40397	2 is used, then the pplemental UT per h will be used to jus	calibration block formed from the stify limited A # 7) for details on 					
Circumferential Terminal End	Class 1 50		Reactor Coola for calibration listed shall be pump side. Th coverage from Code N-663 a the exclusion	ant Pump 2A; Procedure F used. Proce- ne supplement the code ex llows us to ex of surface ex UT	2 Discharge Pipi 2DI-UT-2 may be dure NDE-830 a ntal exam is beir am (performed o xclude the surfa ams.	e used in and Cal Bl ng perforn using NDI	lieu of procedure lock 50386 are to ned as requested E-600 or PDI-UT from the Fourth I	NDE-600. If PDI-UT-2 be used only for a sup by Jim McArdle which -2). nterval ISI Plan. See F Component 40397	2 is used, then the pplemental UT per h will be used to jus	calibration block formed from the stify limited A # 7) for details on 					

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Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks			Componenet ID 2
Category B-J											· · · · · · · · · · · · · · · · · · ·
O2.B9.11.0063	2-PDB2-1				. /			- 1			
Circumferential	Class 1 50	ISI-OCN2-014 OM-1201-966	NDE-830	UT	SS		2.330 / 33.500	Component 40397 50214			B09.011.063 B09.011.063
Terminal End Stress Weld											
			Casing to Pip	e Safe End							
	Ň	· ·	for calibration listed shall be pump side. T	i. Procedure e used. Proce he suppleme	PDI-UT-2 may edure NDE-83 intal exam is b	y be used in 10 and Cal B being perfor		NDE-600. If F be used only by Jim McArd	DI-UT-2 is use for a suppleme	ed, then the ental UT per	es the component calibration block formed from the stify limited
	~			allows us to e	exclude the su				n. See PIP G-0	08-00185 (C	(A # 7) for details on .
O2.B9.11.0063	2-PDB2-1	1000 - 1000 	Code N-663	allows us to e	exclude the su				n. See PIP G-0	)8-00185 (C	A # 7) for details on
O2.B9.11.0063		ISI-OCN2-014 OM-1201-966	Code N-663	allows us to e	exclude the su				n. See PIP G-0	)8-00185 (C	A # 7) for details on B09.011.063 B09.011.063
O2.B9.11.0063			Code N-663 a the exclusion	allows us to e of surface ex	exclude the su xams.		from the Fourth I	nterval ISI Plar Component	n. See PIP G-0	)8-00185 (C	B09.011.063
O2.B9.11.0063 Circumferential Terminal End Stress Weld			Code N-663 a the exclusion	allows us to e of surface ex	exclude the su xams.		from the Fourth I	nterval ISI Plar Component 40397	n. See PIP G-0	)8-00185 (C	B09.011.063
Circumferential Terminal End			Code N-663 a the exclusion	allows us to e of surface ex UT	exclude the su xams.		from the Fourth I	nterval ISI Plar Component 40397	n. See PIP G-0	)8-00185 (C	B09.011.063
Circumferential Terminal End			Code N-663 a the exclusion NDE-600 Casing to Pip Reactor Cool for calibration listed shall be pump side. T coverage fror	e Safe End ant Pump 2B b. Procedure e used. Proce he suppleme n the code ex allows us to e	22 Discharge F PDI-UT-2 may edure NDE-83 ntal exam is t xam (performe exclude the su	Piping. RCF y be used in 0 and Cal B being perforr ed using ND	From the Fourth I 2.330 / 33.500 P 2B2 Casing to S In lieu of procedure Block 50386 are to med as requested DE-600 or PDI-UT	Component 40397 50214 Safe End Pc. 4 NDE-600. If F be used only by Jim McArd -2).	9. Procedure N DI-UT-2 is use for a suppleme le which will be	NDE-600 us ed, then the intal UT per e used to ju	B09.011.063 B09.011.063 ees the component calibration block formed from the
Circumferential Terminal End			Code N-663 a the exclusion NDE-600 Casing to Pip Reactor Cool for calibration listed shall be pump side. T coverage fror Code N-663 a	e Safe End ant Pump 2B b. Procedure e used. Proce he suppleme n the code ex allows us to e	22 Discharge F PDI-UT-2 may edure NDE-83 ntal exam is t xam (performe exclude the su	Piping. RCF y be used in 0 and Cal B being perforr ed using ND	From the Fourth I 2.330 / 33.500 P 2B2 Casing to S In lieu of procedure Block 50386 are to med as requested DE-600 or PDI-UT	Component 40397 50214 Safe End Pc. 4 NDE-600. If F be used only by Jim McArd -2).	9. Procedure N DI-UT-2 is use for a suppleme le which will be	NDE-600 us ed, then the intal UT per e used to ju	B09.011.063 B09.011.063 ces the component calibration block formed from the stify limited
Circumferential Terminal End			Code N-663 a the exclusion NDE-600 Casing to Pip Reactor Cool for calibration listed shall be pump side. T coverage fror Code N-663 a	e Safe End ant Pump 2B b. Procedure e used. Proce he suppleme n the code ex allows us to e	22 Discharge F PDI-UT-2 may edure NDE-83 ntal exam is t xam (performe exclude the su	Piping. RCF y be used in 0 and Cal B being perforr ed using ND	From the Fourth I 2.330 / 33.500 P 2B2 Casing to S In lieu of procedure Block 50386 are to med as requested DE-600 or PDI-UT	Component 40397 50214 Safe End Pc. 4 NDE-600. If F be used only by Jim McArd -2).	9. Procedure N DI-UT-2 is use for a suppleme le which will be	NDE-600 us ed, then the intal UT per e used to ju	B09.011.063 B09.011.063 ces the component calibration block formed from the stify limited
Circumferential Terminal End			Code N-663 a the exclusion NDE-600 Casing to Pip Reactor Cool for calibration listed shall be pump side. T coverage fror Code N-663 a	e Safe End ant Pump 2B b. Procedure e used. Proce he suppleme n the code ex allows us to e	22 Discharge F PDI-UT-2 may edure NDE-83 ntal exam is t xam (performe exclude the su	Piping. RCF y be used in 0 and Cal B being perforr ed using ND	From the Fourth I 2.330 / 33.500 P 2B2 Casing to S In lieu of procedure Block 50386 are to med as requested DE-600 or PDI-UT	Component 40397 50214 Safe End Pc. 4 NDE-600. If F be used only by Jim McArd -2).	9. Procedure N DI-UT-2 is use for a suppleme le which will be	NDE-600 us ed, then the intal UT per e used to ju	B09.011.063 B09.011.063 ces the component calibration block formed from the stify limited

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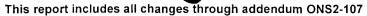
2

This report includes all changes through addendum ONS2-10	This report includes	all changes through	າ addendum ONS2-107
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Summary Num	Component IE Class / Systen		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J				•					
O2.B9.11.0068	2-53A-10-8								· · · · · · · · · · · · · · · · · · ·
	Class 1 53A	2-53A-10 O-ISIN4-102A-2.1	PDI-UT-2	UT	SS .		1.125 / 12.000	Component PDI-UT-2-O PDI-UT-2A-O	B09.011.202, B09.011.2024
Circumferential									
			Pipe to Elbov	v					
	_	)	UT-2 is used	, then the cal allows us to e	ibration block exclude the su	listed shall	be used.		I of procedure NDE-600. If PDI- 08-00185 (CA # 7) for details on
O2.B9.11.0074	2-53A-8-60				·. ·.				
	Class 1 53A	2-53A-8(2)	NDE-600	UT	SS 🔩		1.250 / 14.000	Component	B09.011.210,
		O-ISIN4-102A-2.3						PDI-UT-2-O	. B09.011.210A
Circumferential					. `				
			Elbow to Tee						
			UT-2 is used	, then the cal allows us to e	ibration block exclude the su	listed shall	be used.	,	of procedure NDE-600. If PDI- 08-00185 (CA # 7) for details on
O2.B9.21.0007	2-PDB2-11								
	Class 1 50	ISI-OCN2-014	NDE-35	PT	SS-CS		0.750 / 3.500		B09.021.007
Circumferential Dissimilar Stress Weld		B&W146829E							
			Nozzle to Sat	e End					
			Reactor Cool	ant Pump 2E	2 Discharge F	Piping. Noz	zle Pc. 46 to Safe	e End Pc. 47.	
O2.B9.21.0033	2RC-202-17						· · · · ·		
	Class 1 51A	2RC-202	`NDE-35	PT	SS		0.375 / 2.500		B09.021.110
Circumferential Stress Weld		O-ISIN4-100A-2.1							
			Safe End to F	Pipe					
		•		2-1 was cut			d 2RC-202-17 du	ring EOC-20.	

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Summary Num	Component II Class / Systen	) ISO/DWG Numbers n	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J		·····			· · ····	· •		۰	
O2.B9.21.0038	2RC-203-4								
	Class 1 51A	2RC-203	NDE-35	PT	SS		0.375 / 2.500		B09.021.11
Circumferential		O-ISIN4-101A-2.4							
Stress Weld									
	•		Valve 2HP-48	B6 to Valve 2	HP-126				
O2.B9.21.0039	2RC-204-37								
	Class 1 51A	2RC-204	NDE-35	PT	SS		0.375 / 2.500		B09.021.11(
Circumferential		O-ISIN4-100A-2.1		·					-
Stress Weld									
			Safe End to F	⊃ipe					
			This weld wa	s listed previ	ously as 2-51	A-39-44 until	iso 2-51A-39 w	as redrawn as 2RC-204 ar	nd was given the new weld
ζ			Weld 2RC-20 Weld 2RC-20	)4-18 was cu )4-28 was cu	t out and repl t out and repl	aced with we aced with we	ld 2RC-204-28 d	uring EOC-23 per Revisor	
O2.B9.21.0042	2RC-205-1			•.					· · ·
02.03.21.0042	Class 1 51A	2RC-205	NDE-35	PT	SS		0.375 / 2.500		B09.021.11{
Circumferential		O-ISIN4-100A-2.1			00		0.01072.0000	)	
Stress Weld			•	*					
			Safe End to F	⊃ipe					
			This weld wa Inspect with I				til iso 2-51A-39 v	was redrawn.	
O2.B9.21.0043	2RC-205-3								
,	Class 1 51A	2RC-205	NDE-35	PT	SS		0.375 / 2.500		B09.021.12(
Circumferential Stress Weld		O-ISIN4-101A-2.4					-		•
		х. Х	Pipe to Valve	2HP-152					
			This weld wa Inspect with I				iso 2-51A-39 w	as redrawn.	
O2.B9.21.0044	2RC-205-4						>		
	Class 1 51A	2RC-205	NDE-35	PT	SS		0.375 / 2.500		B09.021.12
Circumferential		O-ISIN4-101A-2.4							·
Stress Weld									
			Valve 2HP-48	89 to Valve 2	HP-152				
	·								



Summary Num	Component II Class / Systen		Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks		Componenet ID 2
			Description Comments							
Category B-J										
O2.B9.21.0048	2-51A-30-11								-	
	Class 1 51A		NDE-35	PT	SS		0.375 / 2.500			B09.021.12
Circumferential		O-ISIN4-101A-2.4				·				
			Pipe to Pipe							
O2.B9.21.0066	2HP-216-4									
	Class 1 51A	2HP-216	NDE-35	PT	SS		0.375 / 2.500			B09.021.14
Circumferential		O-ISIN4-101A-2.4								
			Flange to Pip	e						
		•	•		ously as 2-51A	A-30-44 unti	il iso 2-51A-30 wa	s redrawn.		
O2.B9.21.0067	2HP-216-8	· · · · · · · · · · · · · · · · · · ·								
	Class 1 51A	2HP-216	NDE-35	PT	SS		0.375 / 2.500			B09.021.14
Circumferential		O-ISIN4-101A-2.4								
+			Elbow to Pipe	,		•			:	
			•		nusly as 2-514	4-30-52 unti	il iso 2-51A-30 wa:	s redrawn	·	
O2.B9.32.0003	2-PDB1-10				5051y 05 2 0 17					
02,69.32.0003	Class 1 50	ISI-OCN2-013	NDE-25	МТ	CS		2.250 / 12.000			B09.032.00
Branch	01035 1 00	OM-1201-966	NDE 20		00		2.2007 12.000			2 000.002.00
Stress Weld		OM-1201-969								
			Nozzle to Pip	e						
			Reactor Cool NPS of Branc	ant Pump 2B h Piping is 2	1 Discharge F 5 inches.	Piping. HPI	Nozzle Pc. 46 to	Pipe Pc. 44.		
O2.B9.32.0005	2-PDB2-10	And a second								
	Class 1 50	ISI-OCN2-014	NDE-25	MT	CS		2.250 / 12.000			B09.032.00
Branch		OM-1201-966								
Stress Weld		OM-1201-969								
			Nozzle to Pipe	e						
	u u		B2 Discharge HPI Nozzle P	HPI Nozzle. c. 46 to Pipe	Pc. 44. The	NPS of the	branch piping is 2	5 Inches.		
					Ŷ					

Summary Num	Component IE Class / System	ISO/DWG Numbers	Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
	Class / System	n	Description Comments						
Category B-J									
O2.B9.32.0007	2-PIA2-10				Ę			· · ·	· · ·
	Class 1 50	ISI-OCN2-008	NDE-25	MT	CS		2.250 / 12.000		, B09.032.00
Branch Stress Weld		OM-1201-966 B&W146623E	a.	. •					
			Nozzle to Pip	e					
				ant Pump 2A	2 Suction Pij .5 inches.	ping. Drain I	Nozzle Pc. 64 to P	ipe Pc. 63.	
O2.B9.40.0005	2RC-271-7		•			•			
	Class 1 50	2RC-271	NDE-35	PT .	SS		0.281 / 1.500		B09.040.00
Socket		O-ISIN4-100A-2.2							
			Elbow to Pipe	e					
		·	This weld wa	s listed previo	ously as 2-50	-129-7 until	iso 2-50-129 was (	deleted and all welds were	tranferred to iso 2RC-271.
O2.B9.40.0008	2-50-7-102	-		· · · · · · · · · · · · · · · · · · ·					,
	Class 1 50	2-50-7 (1)	NDE-35	PT	SS		0.281 / 1.500	)	B09.040.00
Socket		O-ISIN4-100A-2.1							
<b>、</b>			Pipe to Elbov	v		·			
Category B-K									
O2.B10.20.0008	2-53A-0-1478A	-H1A							
	Class 1 53A	0-1492D-2(S)	NDE-35	PT ·	NA		2.000 / 14.000		B10.020.03
Spring Hgr		O-ISIN4-102A-2.3 2-53-13/sht.1							
			Calculation N			_			
Category B-M-1			,	•					
O2.B12.30.0001	2-51A-HP-126								
	Class 1 53A	OM-245-1910	NDE-35	PT	SS		0.000 / 2.500		B12.030.00
Circumferential		O-ISIN4-101A-2.4							
			Body to Bonn	et Extension					
			Valve 2HP-12	26 Body to Bo	onnet Extens	ion Weld. Ir	spect one of the fe	ollowing valves: 2HP-126, 2	HP-127, 2HP-152, or 2HP-153.

Oconee 2, 4th Interval, outage 4 (EOC-24)

481B-H11B 01A 2-01-08/sht.1 O-ISIN4-122A-2.1 5B-DKB-1411 51A 0-2AB-25102-02 O-ISIN4-101A-2.3 0-435B-H25 54A 2-54-1/sht.1 O-ISIN4-103A-2.1	NDE-35 Calculation N NDE-35	PT	SS	2.000 / 36.000 n F01.022.002. 0.226 / 6.000 F01.022.042. 0.216 / 8.000		C03.020.03
01A 2-01-08/sht.1 O-ISIN4-122A-2.1 5B-DKB-1411 51A 0-2AB-25102-02 O-ISIN4-101A-2.3 0-435B-H25 54A 2-54-1/sht.1	Calculation N NDE-35 Calculation N NDE-35	o. OSC-131 PT o. OSC-481	5. Inspect with SS . Inspect with	n F01.022.002. 0.226 / 6.000 F01.022.042.		
O-ISIN4-122A-2.1 5B-DKB-1411 51A 0-2AB-25102-02 O-ISIN4-101A-2.3 0-435B-H25 54A 2-54-1/sht.1	Calculation N NDE-35 Calculation N NDE-35	o. OSC-131 PT o. OSC-481	5. Inspect with SS . Inspect with	n F01.022.002. 0.226 / 6.000 F01.022.042.		C03.020.034
51A 0-2AB-25102-02 O-ISIN4-101A-2.3 D-435B-H25 54A 2-54-1/sht.1	NDE-35 Calculation N NDE-35	PT o. OSC-481	SS . Inspect with	0.226 / 6.000 F01.022.042.	· · · · · · · · · · · · · · · · · · ·	
51A 0-2AB-25102-02 O-ISIN4-101A-2.3 D-435B-H25 54A 2-54-1/sht.1	Calculation N NDE-35	o. OSC-481	. Inspect with	F01.022.042.		C03.020.034
O-ISIN4-101A-2.3 D-435B-H25 54A 2-54-1/sht.1	Calculation N NDE-35	o. OSC-481	. Inspect with	F01.022.042.		C03.020.034
)-435B-H25 54A 2-54-1/sht.1	NDE-35		- memoria estrutur 11 - 1		· ·	 C03.020.05 <sup>,</sup>
54A 2-54-1/sht.1	NDE-35		- memoria estrutur 11 - 1		· · · · ·	C03.020.05
54A 2-54-1/sht.1		PT	SS	0.216 / 8.000	· ·	C03.020.05
· · · · ·		PT	SS	0.216 / 8.000	۰. ۲۰۰۰	C03.020.051
	Colculation N				- · · ·	
	Colculation N					
	Calculation N	o. OSC-494	Inspect with	F01.022.061.		·
)-1439C-H5				-		
54A 2-54-03/sht.1 O-ISIN4-103A-2.1	NDE-35	PT	SS-CS	1.000 / 8.000		C03.020.056
		000 400	1 1 <b>*</b> 11-	504 000 000		
,	Calculation N	0. USC-496	. Inspect with	F01.020.096.		
39						
	, PDI-UT-2	UT	SS	1,125 / 10,000	Component	C05.011.009,
O-ISIN4-102A-2.3					PDI-UT-2-O	C05.011.009A
					PDI-UT-2A-O	
	Dine to Elbour				-	
	Procedure NE UT-2 is used, redrawn Code N-663 a	DE-600 uses then the cal illows us to e	ibration block exclude the su	listed shall be used. This wel	Id was listed previously as 2-53A-	9-39 until iso 2-53A-9 was
	39 53A 2LP-150 O-ISIN4-102A-2.3	39 53A 2LP-150 O-ISIN4-102A-2.3 Pipe to Elbow Procedure NE UT-2 is used, redrawn. Code N-663 a	39 53A 2LP-150 O-ISIN4-102A-2.3 Pipe to Elbow Procedure NDE-600 uses UT-2 is used, then the cal redrawn. Code N-663 allows us to 6	39 53A 2LP-150 O-ISIN4-102A-2.3 Pipe to Elbow Procedure NDE-600 uses the compone UT-2 is used, then the calibration block redrawn.	53A 2LP-150 PDI-UT-2 UT SS 1.125 / 10.000 O-ISIN4-102A-2.3 Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure UT-2 is used, then the calibration block listed shall be used. This we redrawn. Code N-663 allows us to exclude the surface exam from the Fourth	39 53A 2LP-150 PDI-UT-2 UT SS 1.125 / 10.000 Component O-ISIN4-102A-2.3 PDI-UT-2-O PDI-UT-2A-O Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of p UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-53A- redrawn. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00

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Oconee 2, 4th Interval, outage 4 (EOC-24)									
Súmmary Num	Component ID Class / Systen		Procedure Description Comments	ínsp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1						<del>.</del>			·····
O2.C5.11.0010	2LP-150-40 Class 2 53A	2LP-150 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.125 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.010 C05.011.010/
Circumferential								, ,	
			Pipe to Elbow	/		·			
			UT-2 is used, redrawn.	then the cali allows us to e	ibration block	listed shall	be used. This we	PDI-UT-2 may be used in lieu of Id was listed previously as 2-53/ Interval ISI Plan. See PIP G-08-0	A-9-40 until iso 2-53A-9 was
O2.C5.11.0013	2LP-148-89 Class 2 53A	2LP-148 O-ISIN4-102A-2.2	PDI-UT-2	UT	SS	160	1.125 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.013 C05.011.013,
Circumferential									
			UT-2 is 'used,	DE-600 uses then the cali allows us to e	ibration block	listed shall	be used.	PDI-UT-2 may be used in lieu of Interval ISI Plan. See PIP G-08-I	
O2.C5.11.0014	2LP-148-92 Class 2 53A	2LP-148, O-ISIN4-102A-2.2	PDI-UT-2	UT	SS	160	1.125 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.014 C05.011.014/
Circumferential		<u> </u>							
			UT-2 is used,	DE-600 uses then the cali	bration block	listed shall	be used.	PDI-UT-2 may be used in lieu of interval ISI Plan, See PIP G-08-	

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	• .							24)				
Summary Num	Component ID Class / System		Desc	edure ription nents	Insp Req	Material	Sched `	Thick/NPS	Cal Blocks		. •	Componenet ID 2
Category C-F-1	· ·							· •				
O2.C5.11.0037	2LP-215-2								· · · · · · · · · · · · · · · · · · ·			 
	Class 2 - 53A	2LP-215	· PC	I-UT-2	UT	SS.		1.000 / 10.000	Component			C05.011.037
· .		O-ISIN4-102A-2.3							PDI-UT-2-O			C05.011.037
									PDI-UT-2A-O		•	
Circumferential												
				_				<	2		**	
				o Tee				•	:			 
	, ,		UT-2 Code	is used, N-663 a	then the call	ibration block	k listed shall	ation. Procedure l be used. from the Fourth I	-			
O2.C5.11.0038	2LP-215-27	· · · · · · · · · · · · · · · · · · ·					>	1				
O2.C5.11.0038	2LP-215-27 Class 2 53A	2LP-215	P	I-UT-2	UT	SS	)	1.000 / 10.000	Component			C05.011.038
O2.C5.11.0038		2LP-215 O-ISIN4-102A-2.3	P[	I-UT-2	UT	SS ,	>	1.000 / 10.000 )	Component PDI-UT-2-O PDI-UT-2A-O	•		C05.011.038 C05.011.038
O2.C5.11.0038 Circumferential			PC	I-UT-2	UT	SS	>	1.000 / 10.000 )	PDI-UT-2-O			
· .				· · · · · ·		SS	>	1.000 / 10.000	PDI-UT-2-O			
· .			∕ Pipe	o Valve	2LP-177	,	>	)	PDI-UT-2-O PDI-UT-2A-O			C05.011.038.
· .			Pipe Proce UT-2 Code	o Valve dure NE is used, N-663 a	2LP-177 DE-600 uses then the cal	the compon ibration blocl exclude the s	k listed shall	) ation. Procedure I	PDI-UT-2-O PDI-UT-2A-O PDI-UT-2 may be			C05.011.038. DE-600. If PDI-
Circumferential	Class 2 53A		Pipe Proce UT-2 Code	o Valve dure NE is used, N-663 a	2LP-177 DE-600 uses then the cali allows us to e	the compon ibration blocl exclude the s	k listed shall	) ation. Procedure I be used.	PDI-UT-2-O PDI-UT-2A-O PDI-UT-2 may be			C05.011.038. DE-600. If PDI-
· .	Class 2 53A	O-ISIN4-102A-2.3	Pipe Proce UT-2 Code the e	o Valve dure NE is used, N-663 a cclusion	2LP-177 DE-600 uses then the cali allows us to e of surface ex	the compon ibration blocl exclude the s xams.	k listed shall	) ation. Procedure I be used. from the Fourth I	PDI-UT-2-O PDI-UT-2A-O PDI-UT-2 may be nterval ISI Plan.			C05.011.038 DE-600. If PDI- 7) for details on
Circumferential	Class 2 53A	O-ISIN4-102A-2.3	Pipe Proce UT-2 Code the e	o Valve dure NE is used, N-663 a	2LP-177 DE-600 uses then the cali allows us to e	the compon ibration blocl exclude the s	k listed shall	) ation. Procedure I be used.	PDI-UT-2-O PDI-UT-2A-O PDI-UT-2 may be			C05.011.038. DE-600. If PDI-
Circumferential	Class 2 53A	O-ISIN4-102A-2.3	Pipe Proce UT-2 Code the e	o Valve dure NE is used, N-663 a cclusion	2LP-177 DE-600 uses then the cali allows us to e of surface ex	the compon ibration blocl exclude the s xams.	k listed shall	) ation. Procedure I be used. from the Fourth I	PDI-UT-2-O PDI-UT-2A-O PDI-UT-2 may be nterval ISI Plan.			C05.011.038. DE-600. If PDI- 7) for details on C05.011.039
Circumferential	Class 2 53A	O-ISIN4-102A-2.3	Pipe Proce UT-2 Code the e	o Valve dure NE is used, N-663 a cclusion	2LP-177 DE-600 uses then the cali allows us to e of surface ex	the compon ibration blocl exclude the s xams.	k listed shall	) ation. Procedure I be used. from the Fourth I	PDI-UT-2-O PDI-UT-2A-O PDI-UT-2 may be nterval ISI Plan.			C05.011.038. DE-600. If PDI- 7) for details on C05.011.039
Circumferential O2.C5.11.0039	Class 2 53A	O-ISIN4-102A-2.3	Pipe Proce UT-2 Code the e	o Valve dure NE is used, N-663 a cclusion	2LP-177 DE-600 uses then the cali allows us to e of surface ex	the compon ibration blocl exclude the s xams.	k listed shall	) ation. Procedure I be used. from the Fourth I	PDI-UT-2-O PDI-UT-2A-O PDI-UT-2 may be nterval ISI Plan.			C05.011.038. DE-600. If PDI- 7) for details on C05.011.039
Circumferential	Class 2 53A	O-ISIN4-102A-2.3	Pipe Proce UT-2 Code the e PE	o Valve dure NE is used, N-663 a cclusion	2LP-177 DE-600 uses then the cali allows us to e of surface ex	the compon ibration blocl exclude the s xams.	k listed shall	) ation. Procedure I be used. from the Fourth I	PDI-UT-2-O PDI-UT-2A-O PDI-UT-2 may be nterval ISI Plan.			C05.011.038. DE-600. If PDI- 7) for details on C05.011.039

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			000	onee 2, 4th l	nterval, outa	ge 4 (EOC-:	24).	•	
Summary Num	Component II Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet
Category C-F-1									
O2.C5.11.0040	2LP-215-5 Class 2 53A	2LP-215 O-ISIN4-102A-2.3	NDE-600	UT	SS		1.000 / 10.000	Component PDI-UT-2-O	C05.011 C05.011
Circumferential								PDI-UT-2A-O	
			Pipe to Elbow	,					
			Procedure NI UT-2 is used,	DE-600 uses then the cal illows us to e	ibration block exclude the su	listed shall	be used.		ieu of procedure NDE-600. If PD G-08-00185 (CA # 7) for details c
O2.C5.11.0041	2LP-215-6							· · ·	·
	Class 2 53A	2LP-215 O-ISIN4-102A-2.3	NDE-600	UT	SS	,	1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011 C05.011
Circumferential					,	<b>\</b>			
			Elbow to Pipe	ł					
		• •	Procedure NE UT-2 is used,	E-600 uses then the cal illows us to e	ibration block exclude the su	listed shall	be used.		ieu of procedure NDE-600. If PD G-08-00185 (CA # 7) for details c
O2.C5.11.0042	2LP-215-9		Procedure NE UT-2 is used, Code N-663 a	E-600 uses then the cal illows us to e	ibration block exclude the su	listed shall	be used.		
O2.C5.11.0042	2LP-215-9 Class 2 53A	2LP-215 O-ISIN4-102A-2.3	Procedure NE UT-2 is used, Code N-663 a	E-600 uses then the cal illows us to e	ibration block exclude the su	listed shall	be used.		
O2.C5.11.0042 Circumferential			Procedure NE UT-2 is used, Code N-663 a the exclusion	DE-600 uses then the cal illows us to e of surface e	ibration block exclude the su xams.	listed shall	be used. from the Fourth I	nterval ISI Plan. See PIP Component PDI-UT-2-O	G-08-00185 (CA # 7) for details o
			Procedure NE UT-2 is used, Code N-663 a the exclusion	DE-600 uses then the cal illows us to e of surface e	ibration block exclude the su xams.	listed shall	be used. from the Fourth I	nterval ISI Plan. See PIP Component PDI-UT-2-O	G-08-00185 (CA # 7) for details o

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Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	_ C	omponenet ID 2
Category C-F-1										
O2.C5.11.0043	2LP-216-1									
	Class 2 53A	2LP-216 O-ISIN4-102A-2.3	NDE-600	UT	SS	•	1.000 / 10.000	Component PDI-UT-2-0		C05.011.043 C05.011.043
								PDI-UT-2A-O	· ·	
Circumferential										
			Pipe to Elbov	v						
			Procedure NI UT-2 is used,	DE-600 uses , then the cal allows us to e	ibration block	listed shall	be used.	·	used in lieu of procedure NE ee PIP G-08-00185 (CA # 7	
O2.C5.11.0044	2LP-216-10	· · · · · · · · · · · · · · · · · · ·				•			·	
	Class 2 53A		PDI-UT-2	UT	SS		1.000 / 10.000	Component	~	C05.011.044, C05.011.044/
		O-ISIN4-102A-2.3		~				PDI-UT-2-O PDI-UT-2A-O		003:011:044/
Circumferential							· ·			,
			UT-2 is used,	DE-600 uses , then the cal allows us to e	ibration block exclude the su	listed shall	be used.		used in lieu of procedure NE ee PIP G-08-00185 (CA # 7	
O2.C5.11.0045	2LP-216-14									
	Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O	`	C05.011.045 C05.011.045/
Circumferential		· · · ·								
			Pipe to Elbow	V						
	-		Procedure NI UT-2 is used,	DE-600 uses then the cal allows us to e	ibration block	listed shall	be used.	• •	used in lieu of procedure NE ee PIP G-08-00185 (CA # 7	
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			000	onee 2, 4th Ir	nterval, outag	ge 4 (EOC-2	24)		· · ·	
Summary Num	Component IE Class / Systen		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Com	ponenet ID 2
Category C-F-1			· .							
O2.C5.11.0046	2LP-216-15 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	Component PDI-UT-2-O PDI-UT-2A-O		C05.011.046 C05.011.046
Circumferential										
_			Elbow to Pipe					<u>^</u>	, ,	
			UT-2 is used,	then the calib llows us to ex	bration block l	isted shall I	be used.	•	sed in lieu of procedure NDE-6 e PIP G-08-00185 (CA # 7) for	
O2.C5.11.0070	2LPS-724-1									
_ ``	Class 2 14B	2LPS-724 O-ISIŇ4-124B-2.2	PDI-UT-2	UT	SS		0.432 / 6.000	Component PDI-UT-2-O PDI-UT-2A-O		C05.011.070 C05.011.070
Circumferential										
			Pipe to Elbow						• • • • • • • • • •	
			UT-2 is used, Code N-663 a	then the calib	bration block l	isted shall I	be used.		sed in lieu of procedure NDE-6 e PIP G-08-00185 (CA # 7) for	
		·	the exclusion					<u></u>		
O2.C5.11.0075	2LPS-724-17	<u> </u>					•			
O2.C5.11.0075	2LPS-724-17 Class 2 14B	2LPS-724 O-ISIN4-124B-2.2	PDI-UT-2	UT	SS		0.432 / 6.000	Component PDI-UT-2-O PDI-UT-24-O		
O2.C5.11.0075 Circumferential				UT	SS	·	0.432 / 6.000	•		C05.011.075 C05.011.075
					SS		0.432 / 6.000	PDI-UT-2-O		

Summary Num	Component ID ISO/[ Class / System	OWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
O2.C5.11.0077	2LPS-724-2		1894						
•	Class 2 14B 2LPS-72 O-ISIN4	24 124B-2.2	PDI-UT-2	UT	SS		0.432 / 6.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.011.077 C05.011.077
Circumferential									
			Elbow to Elbo	W.					`
			UT-2 is used,	then the cali Ilows us to e	bration block xclude the su	listed shall b	be used.	-	eu of procedure NDE-600. If PDI- -08-00185 (CA # 7) for details on
O2.C5.21.0033	2HP-222-106AA	20-1-C-17							
	Class 2 51A 2HP-222 O-ISIN4	2 -101A-2.4	PDI-UT-2	UT	SS		0.674 / 4.000	Component PDI-UT-2-O	C05.021.041 C05.021.041
Circumferential				•				PDI-UT-2A-O	
			Elbow to Tee				,		
			UT-2 is used, 28(2) was del	then the cali eted and this illows us to e	bration block weld was tra exclude the su	listed shall I nsferred to i	be used. This we so 2HP-222.	Id was listed previously as	eu of procedure NDE-600. If PDI- 2-51A-28-106AA until iso 2-51A- -08-00185 (CA # 7) for details on
O2.C5.21.0034	2HP-222-106C					•		· · · · · · · · · · · · · · · · · · ·	· · ·
	Class 2 51A 2HP-22 O-ISIN4	2 -101A-2.4	PDI-UT-2	ÚT ·	SS		0.674 / 4.000	Component PDI-UT-2-O PDI-UT-2A-O	C05.021.042 C05.021.042
Circumferential									
			Tee to Pipe				•		· · · · · ·
			UT-2 is used, 28(2) was del	then the cali eted and this	bration block weld was tra	listed shall b nsferred to i	be used. This we so 2HP-222.	ld was listed previously as	eu of procedure NDE-600. If PDI- 2-51A-28-106C until iso 2-51A- i-08-00185 (CA # 7) for details on

Oconee 2, 4th Interval, outage 4 (EOC-24)

Summary Num	Component IE Class / Systen		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									}
O2.C5.21.0035	2HP-341-V1	. ~							· · · · · · · · · · · · · · · · · · ·
	Class 2 51A		PDI-UT-2	UT	SS ·		0.375 / 2.500	Component	C05.021.043
		O-ISIN4-101A-2.4						PDI-UT-2-O	C05.021.043/
Circumferential								PDI-UT-2A-O	
Circumierentiai		,							
			Valve 2HP-12	20 to Pipe		• .			
		· .	UT-2 is used, isometric 2-5	then the cali 1A-28 (2). Th allows us to e	bration block his weld is a v exclude the su	listed shall endor weld	be used. This we joining valve 2HF	ld used to be listed as 2-51/ 2-120.	eu of procedure NDE-600. If PDI- A-28-80A and was shown on -08-00185 (CA # 7) for details on
O2.C5.21.0036	2-51A-28-65					. •			
	Class 2 51A	2-51A-28 (3)	PDI-UT-2	UT	SS		0.531 / 4.000	Component	C05.021.044
		O-ISIN4-101A-2.4			`			PDI-UT-2-O	C05.021.044
Circumferential						;		PDI-UT-2A-O	
Onconnecention									
			Pipe to Tee		~				•
	 X		UT-2 is used,	then the cali allows us to e	bration block xclude the su	listed shall	be used.		eu of procedure NDE-600. If PDI- -08-00185 (CA # 7) for details on
O2.C5.21.0051	2-51A-17-97		ì				······································	,	
	Class 2 51A		PDI-UT-2	UT	SS		0.375 / 2.500	Component	C05.021.061
		O-ISIN4-101A-2.2						PDI-UT-2-O	C05.021.061/
Circumferential		,	·					PDI-UT-2A-O	
Gircuillerennai									
			Pipe to Elbow	1					
			•		the compone	nt for calibra	ation. Procedure I	PDI-UT-2 may be used in lie	eu of procedure NDE-600. If PDI-

UT-2 is used, then the calibration block listed shall be used. Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on

Code N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 7) for details on the exclusion of surface exams.

			Óc	onee 2, 4th I	nterval, outa	ge 4 (EOC-2	24)	· · ·		
Summary Num	Component ID Class / Systen	) ISO/DWG Numbers n	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks		Componenet ID 2
Category C-F-1										
O2.C5.21.0053	2-51A-17-98B							-		· ·
•	Class 2 51A	2-51A-17 (2) O-ISIN4-101A-2.2	PDI-UT-2	UT	SS	•	0:375 / 2.500	Component PDI-UT-2-O PDI-UT-2A-O		C05.021.063 C05.021.063
Circumferential		·								
, ;			Elbow to Pipe	9						×
	د		Procedure NI UT-2 is used	DE-600 uses then the cal allows us to e	ibration block exclude the su	listed shall	be used.		e PIP G-08-00185 (C	re NDE-600. If PDI-
O2.C5.21.0054	2-51A-17-98D									
· .	Class 2 51A	2-51A-17 (2) O-ISIN4-101A-2.2	PDI-UT-2	UT	ŚS		0.375 / 2.500	Component PDI-UT-2-O PDI-UT-2A-O	· .	C05.021.064 C05.021.064
Circumferential								FDI-01-2A-0		
		- ,	Elbow to Pipe	•	•					
-	,		Procedure NI UT-2 is used,	DE-600 uses then the cal allows us to e	ibration block exclude the su	listed shall	be used.		ed in lieu of procedu e PIP G-08-00185 (C	re NDE-600. If PDI-
O2.C5.21.0489	2-51A-17-96							· · · · · · · · · · · · · · · · · · ·		<u>,</u>
	Class 2 51A	2-51A-17 (2) O-ISIN4-101A-2.2	PDI-UT-2	UT	SS		0.375 / 2.500	PDI-UT-2-O PDI-UT-2A-O		C05.02
Circumferential										
	•		Elbow to Pipe Code N-663 a the exclusion	allows us to e		rface exam	from the Fourth	Interval ISI Plan. Se	e PIP G-08-00185 (C	A # 7) for details on
` r					· · · · · · · · · · · · · · · · · · ·				1 .	~

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Summory Num	Component II	D. ISO/DWG Numbers	Procedure	Insp Reg	Material	Sched	Thick/NPS	Cal Blocks		Componenet ID 2
Summary Num	Class / Syster		Description Comments	insp keg	Waterial	Scheu	THICK/NFS	Cal BIOCKS	~	⇒
Category C-F-2										
O2.C5.51.0005	2MS-123-27							~		And a part of the second s
	Class 2 01A	2MS-123 O-ISIN4-122A-2.1	PDI-UT-1	ÚT	CS		0.875 / 26.000	Component PDI-UT-1-O PDI-UT-1A-O		C05.051.005 C05.051.005
Circumferential										
			Pipe to Elbow		_					· · · ·
·			Procedure NE	DE-600 uses t						cedure NDE-600. If PDI-
	*	•	UT-1 is úsed, until it was tra			listed shall	be used. This we	ld was listed previo	ously as 2-01A-5-2	27 on iso 2-01A-5 (4)
		~	Code N-663 a the exclusion			rface exam	from the Fourth I	nterval ISI Plan. S	ee PIP G-08-0018	5 (CA # 7) for details on
O2.C5.51.0006	2MS-103-9						>	1		
\$	Class 2 01A	2MS-103 O-ISIN4-122A-2.1	PDI-UT-1	UT	CS	*	0.906 / 8.000	Component PDI-UT-1-O	·	C05.051.006 C05.051.006
Olarina (a contrat	,	e Se anne			•			PDI-UT-1A-O		•
Circumferential						. •				
			Pipe to Valve	2MS-2				-		
			UT-1 is used,	then the calib Ilows us to ex	ration block	listed shall	be used.		· ·	cedure NDE-600. If PDI- 5 (CA # 7) for details on
O2.C5.51.0014	2FDW-210-21		•				1			
	Class 2 03A	2FDW-210 O-ISIN4-121D-2.1	PDI-UT-1	UT	CS		0.432 / 6.000	Component PDI-UT-1-O		C05.051.014 C05.051.014
		0-131114-1210-2.1	,					PDI-UT-1A-O		
Circumferential	• •			2						
			Pipe to Elbow	,					1	
		· ·	Procedure NE UT-1 is used,	)E-600 uses ti	ration block	nt for calibra listed shall	ation. Procedure I be used. This we	PDI-UT-1 may be u ld was originally ide	used in lieu of pro- entified as 2-03A-	cedure NDE-600. If PDI- 10-21 until iso was

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		Thi	-		nges throu nterval, outa	-	dum ONS2-10 2 <i>4)</i>	7	- -	•
Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	· .	Componenet ID 2
Category C-F-2	2-03A-67-7						· · · · · ·			
O2.C5.5 <u>1</u> .0018	2-03A-67-7 Class 2 03A	2-03A-67 O-ISIN4-121D-2.1	NDE-600	UT	CS		0.562 / 6.000	Component PDI-UT-1-O PDI-UT-1A-O		C05.051.018, C05.051.018A
Circumferential								FDI-01-1A-0		
			UT-1 is used, Code N-663 a	DE-600 uses then the cal allows us to e	ibration block	listed shall	be used.	/*	d in lieu of procedure N PIP G-08-00185 (CA #	
			the exclusion	of surface e	xams.					
O2.C5.51.0022	2FDW-226-37 Class 2 03	2FDW-226 O-ISIN4-121B-2.3	PDI-UT-1	UT	CS		1.031 / 20.000	Component PDI-UT-1-O PDI-UT-1A-O		C05.051.022, C05.051.022A
Circumferential								, ·	-	
		· · · · · · · · · · · · · · · · · · ·	UT-1 is used, isometric 2-0	DE-600 uses then the cal 3-18 (2) allows us to e	ibration block	listed shall	be used. This we	ld used to be listed as	d in lieu of procedure N 2-03-18-37 and was s PIP G-08-00185 (CA #	hown on
O2.C5.51.0035	2LPS-606-2							• •	17 - 11 - 11 - 11 - 11 - 11 - 11 - 11 -	
	Class 2 14B	2LPS-606 O-ISIN4-124B-2.2	PDI-UT-1	UT	ĊS		0.500 / 8.000	Component PDI-UT-1-O PDI-UT-1A-O	,	_C05.051.035, C05.051.035A
Circumferential			. /						•	
			UT-1 is used, redrawn.	DE-600 uses then the cal allows us to e	ibration block	listed shall	be used. This we	ld was listed previous	d in lieu of procedure N ly as 2-14B-51-2 until i PIP G-08-00185 (CA #	so 2-14B-51 was

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			Occ	onee 2, 4th l	nterval, outa	igh adden ge 4 (EOC-	24)			
Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks		Componenet ID 2
Category C-F-2	<u> </u>									
O2.C5.51.0036	2LPS-606-3 Class 2 14B	2LPS-606 O-ISIN4-124B-2.2	PDI-UT-1	UT	CS		0.500 / 8.000	Component PDI-UT-1-O PDI-UT-1A-O	(	C05.051.036 C05.051.036
Circumferential										
			Elbow to Pipe		· ·					
		. r	UT-1 is used, redrawn.	then the cali llows us to e	ibration block	listed shall	be used. This we	ld was listed previo	usly as 2-14B-51-3 ι	ure NDE-600. If PDI- intil iso 2-14B-51 was CA # 7) for details on
O2.C5.51.0038	2LPS-606-82	· · · · · · · · · · · · · · · · · · ·	1					· · · · ·		
	Class 2 14B	2LPS-606 O-ISIN4-124B-2.2	PDI-UT-1	UT	CS∽		0.500 / 8.000	Component PDI-UT-1-O PDI-UT-1A-O	·	C05.051.038 C05.051.038
Circumferential										
		· ·	Elbow to Tee							
			Procedure NE UT-1 is used, was redrawn.	then the cali llows us to e	bration block	listed shall	be used. This we	ld was listed previo	usly as 2-14B-51-82	ure NDE-600. If PDI- until iso 2-14B-51 CA # 7) for details on
O2.C5.51.0042	2FDW-226-36				,					
		2FDW-226 O-ISIN4-121B-2.3	PDI-UT-1	UT	CS		1.031 / 20.000	Component PDI-UT-1-O PDI-ÜT-1A-O		C05.051.042 C05.051.042
Circumferential										
			Pipe to Elbow	,						
• •			Procedure NE UT-1 is used, isometric 2-03	DE-600 uses then the cali 3-18 (2). Illows us to e	bration block	listed shall	be used. This we	ld used to be listed	as 2-03-18-36 and v	ure NDE-600. If PDI- vas shown on CA # 7) for details on

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Communication Norma			00	onee 2, 4th Ir					
Summary Num	Component ID Class / Systen		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet (D 2
Category C-F-2						<u>.</u>			
O2.C5.51.0053	2-03-18-44AA Class 2 03	2-03-18 (2) O-ISIN4-121B-2.3	PDI-UT-1	√ UT	CS		1.219 / 24.000	Component PDI-UT-1-O PDI-UT-1A-O	C05.051.053 C05.051.053
Circumferential		×							
•			Pipe to Valve	2FDW-37					
			UT-1 is used,	then the calil allows us to e	pration block i clude the sui	isted shall l	be used.		lieu of procedure NDE-600. If PDI- G-08-00185 (CA # 7) for details on
O2.C5.61.0004	2-14-238-24	2 14 229		D <b>T</b>	66.06		0.074 / 4.000		COE 001 004
	Class 2 03A	2-14-230	NDE-12	RT	SS-CS		0.674 / 4.000		C05.061.004 C05.061.004
Circumferential		O-ISIN4-121D-2.1 OM 245-1856							• •
		:	Reducer to V						
			Cast Stainles Code N-663 a the exclusion	allows us to e	xclude the su	face exam	from the Fourth I	nterval ISI Plan. See PIP	G-08-00185 (CA # 7) for details on
Category D-A						-	-		
O2.D1.20.0004	2-03-0-1401A-F		······	;			· · · · ·		
	Class 3 03	2-03-01/sht.1 O-ISIN4-121B-2.3	NDE-65	VT-1	NA´		1.000 / 24.000		D01.020.01
Hyd Snubber									
Hyd Snubber			Calculation N	o. OSC-454.	Inspect with F	01.032.012	) 		
Hyd Snubber 02.D1.20.0009	2-03A-0-1400A	-MDH-1101	Calculation N	o. OSC-454.	Inspect with F	01.032.012	<u></u>		
		-MDH-1101 0-2TB-203A12-01 O-ISIN4-121D-2.1	Calculation N NDE-65	o. OSC-454. VT-1	Inspect with F	01.032.012	0.500 / 6.000		. D01.020.01
O2.D1.20.0009		0-2TB-203A12-01		VT-1	NA		0.500 / 6.000		D01.020.01
O2.D1.20.0009		0-2TB-203A12-01 O-ISIN4-121D-2.1	NDE-65	VT-1	NA		0.500 / 6.000		D01.020.01
O2.D1.20.0009 Rigid Support	Class 3 03A 2-57-0-1481A-H Class 3 57	0-2TB-203A12-01 O-ISIN4-121D-2.1	NDE-65	VT-1	NA		0.500 / 6.000		D01.020.01
O2.D1.20.0009 Rigid Support O2.D1.20.0027	Class 3 03A 2-57-0-1481A-H Class 3 57	0-2TB-203A12-01 O-ISIN4-121D-2.1 14 0-2RB-25701-01	NDE-65 Calculation N	VŤ-1 <u>o. OSC-1213</u> VT-1	NA Inspect with NA	F01.030.02	0.500 / 6.000 17. 1.000 / 12.000		

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Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched Thick/NPS	Cal Blocks	Con	nponenet ID 2
Category ELC	,						,		
O2.H3.1.0007	2-03-18-25								
Circumferential	Class 3 03	2-03-18 (1) O-ISIN4-121B-2.3	NDE-946	UT	CS ,	1.219 / 24.000		· · ·	H03.001.00
-			measurement PDI-UT -1 ma	E-600 shoul s on this wel y be used in	d. lieu of NDE-6	angle beam inspection and F 00 with cal block PDI-UT-1-C	).	· .	 ;
· · · · ·			Inspection res	ults should b	be forwarded t	o Timothy D. Brown of the O	conee Design Basis Grou	p	
O2.H3.1.0008 Circumferential	2-03-18-25G Class 3 03	2-03-18 (1) O-ISIN4-121B-2.3	NDE-946	UT	CS	1.219 / 24.000	· 1		H03.001.00
	~		Elbow to Pipe		•		,		
, , , , , , , , , , , , , , , , , , ,	•	· · · · · · · · · · · · · · · · · · ·	Weld 2-03-18 pipe) weld loc Procedure ND measurement PDI-UT -1 ma	-25 is a Pipe ated on the E-600 shoul s on this wel- y be used in	opposite end d be used for d. lieu of NDE-6	located on iso 2-03-18(1). W of the elbow from weld 1-03- angle beam inspection and F 00 with cal block PDI-UT-1-C o Timothy D. Brown of the Od	8-25 rocedure NDE-946 shoul	d be used for thickness	
O2.H3.1.0009 Circumferential	2-03-18-43A Class 2 03	2-03-18 (2) O-ISIN4-121B-2.3	NDE-946	UT	CS	1.219 / 24.000		· · · · · · · · · · · · · · · · · · ·	H03.001.00
· · · · · · · · · · · · · · · · · · ·		1977 - Alexandre Alex 1978 - Alexandre	measurement	E-600 shoul s on this wel	d.	angle beam inspection and P o Timothy D. Brown of the Od			
O2.H3.1.0010	2-FWD60-A		,			· ·			
Circumferential	Class 2 03	2-03-18 (2) O-ISIN4-121B-2.3	NDE-946	UT	CS	1.219 / 24.000		Ţ	H03.001.01
,		*	Elbow to Pipe			× ×	· - ·		
· .	·		Weld 2-03-18- pipe) weld loca Procedure ND measurement	ated on the E-600 should s on this welf	opposite end o d be used for a d.	eld located on iso 2-03-18(2) of the elbow from weld 1-03-1 angle beam inspection and P o Timothy D. Brown of the Oc	8-43AA. rocedure NDE-946 should	d be used for thickness	
						•	-		

Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category ELC									
O2.H3.1.0011	2-03-18-43AA						· · ·		
Circumferential	Class 2 03	2-03-18 (2) O-ISIN4-121B-2.3	NDE-946	UT	CS		1.219 / 24.000		H03.001.07
			Pipe to Elbow	,					
	,		Procedure NE measurement	E-600 shoul s on this wel	d.			rocedure NDE-946 shoul onee Design Basis Grou	
O2.H4.1.0002	2-03-0-1439B-	H54							
Rigid Support	Class 3 03	2-01-03/sht.1 O-ISIN4-121B-2.3	NDE-66	VT-3	NA		0.000 / 24.000	7	H04:001.00
			Calculation N Inspect with it		-01.030.020.				
O2.H4.1.0008	2-03-0-1401A-	 R7							
, ,	Class 3 03	2-03-01/sht.1	NDE-25	MT	CS		1.000 / 24.000		H04.001.008 H04.001.008
Hyd Snubber		O-ISIN4-121B-2.3	٠				_ ·	. /	
			attachment w	elds. ic Particle ex	aminations (v	ith the use	of procedure NDE		orm a Surface exam on the
O2.H4.1.0008	2-03-0-1401A-	R7						<u></u>	
	Class 3 03	2-03-01/sht.1	NDE-66	VT-3	CS	J	1.000 / 24.000		H04.001.008 H04.001.008
Hyd Snubber	•	O-ISIN4-121B-2.3				(			101.000
			attachment w	elds. ic Particle ex	aminations (v	ith the use	of procedure NDE-	. ,	orm a Surface exam on the n carbon steel material in lieu of

	Tr	his report inclu	ides all cha	anges throu	ugh adden	ndum ONS2-107		
		Occ	onee 2, 4th l	Interval, outa	age 4 (EOC-	-24)		
Summary Num	Component ID ISO/DWG Numbers Class / System	Procedure Description Comments	Insp Reg	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category ELC								
O2.H4.1.0032	2-01A-0-1401B-R6							
	Class 2 01A 2-01-01/sht.2	NDE-25	MT	CS		1.000 / 36.000		H04.001.032, H04.001.032 <i>F</i>
Mech Snubber	O-ISIN4-122A-2.1							104.001.0327
		Calculation N (H04.001.) Note: Magnet or in conjunct	032A) Perfor ic Particle ex	m a Surface caminations (v	with the use		s. -25) may be performed or	n carbon steel material in lieu of
O2.H4.1.0032	2-01A-0-1401B-R6						<u></u>	
	Class 2 01A 2-01-01/sht.2	NDE-66	VT-3	CS		1.000 / 36.000		H04.001.032, H04.001.032 <i>F</i>
Mech Snubber	O-ISIN4-122A-2.1	-						. H04.001.032F
×		Calculation N (H04.001. Note: Magnet or in conjunct	032A) Perfor ic Particle ex	m a Surface (aminations ()	with the use	e attachment welds of procedure NDE	s. -25) may be performed or	a carbon steel material in lieu of
O2.H4.1.0033	2-01A-0-1401B-H10						·····	······································
Spring Hgr	Class 2 01A 2-01-01/sht.2 O-ISIN4-122A-2.1	NDE-66	VT-3	NA		0.000 / 36.000		H04.001.03\$
	~	Calculation N	a 080 440				س . •	, ,
O2.H4.1.0034	2-01A-0-1401B-R15	Calculation N	0. 030-440.					-
02.84.1.0034	Class 2 01A 2-01-01/sht.2	NDE-66	VT-3	NA		0.000 / 24.000	-	H04.001.034
Mech Snubber	O-ISIN4-122A-2.1							
		Calculation N	o. OSC-440.					
O2.H4.1.0035	2-01A-OM-200-30-MS-1							-
Rigid Support	Class 2 01A 2-01-01/sht.1 O-ISIN4-122B-2.1	NDE-66	VT-3	NA	-	0.000 / 28.000		H04.001.03
		Calculation N	o. OSC-440.					
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This report	includes all	changes t	hrough	addendum	ONS2-107
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Oconee 2, 4th Interval, outage 4 (EOC-24)

Summary Num	Component ID ISO/DWG Numbe Class / System	rs Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category ELC								
O2.H4.1.0036	2-01A-OM-200-30-MS-2	· · · ·						
	Class 2 01A 2-01-01/sht.1	NDE-66	VT-3	NA		0.000 / 28.000		H04.001.036
Rigid Support	O-ISIN4-122B-2.1				· ·			
		Calculation N	No. OSC-440	•				
O2.H4.1.0037	2-01A-0-1441-H16	-						•
	Class 2 01A 2-01-01/sht.1	NDE-66	VT-3	NA		0.000 / 36.000		H04.001.03
Rigid Support	O-ISIN4-122A-2.1			•			-	
		Calculation N When exami			O-2157B (S	ection U-U) will als	o be needed to complete t	nis exam.
O2.H4.1.0038	2-01A-0-1441-R9-1						· · · · · · · · · · · · · · · · · · ·	
	Class 2 01A 2-01-01/sht.1	NDE-25	MT	CS		0.562 / 36.000		H04.001.038, H04.001.038A
Hyd Snubber	O-ISIN4-122A-2.1							
		(H04.001. Note: Magne	tic Particle ex	m a Surface e	with the use			carbon steel material in lieu of
O2.H4.1.0038	2-01A-0-1441-R9-1							
-	Class 2 01A 2-01-01/sht.1	NDE-66	VT-3	CS		0.562 / 36.000		H04.001.038, H04.001.038A
Hyd Snubber	O-ISIN4-122A-2.1							
		Note: Magne	038A) Perfori tic Particle ex	m a Surface e	with the use		-25) may be performed on	carbon steel material in lieu of
O2.H4.1.0039	2-01A-0-1441-H17							
Rigid Support	Class 2 01A 2-01-01/sht.1 O-ISIN4-122A-2.1	NDE-66	VT-3	NA		0.000 / 36.000		H04.001.03
		Calculation N When exami			O-2157B (Se	ection U-U) will als	o be needed to complete th	nis exam.

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Summary Num	Component ID ISO/DWG Numbers Class / System	Procedure Description	insp Req	Material	Sched Thic	k/NPS Cal Block	cs Componenet ID 2
Category ELC		Comments					
					· · ·		· · · · · · · · · · · · · · · · · · ·
O2.H4.1.0040	2-01A-0-1401B-H18 Class 2 01A 2-01-01/sht.1	NDE-66	VT-3	NA	0.000	/ 8.000	H04.001.04(
Spring Hgr	O-ISIN4-122A-2.1	NDL-00	VI-0	1473	0.000		
	·	Calculation N	lo. OSC-440.	• · ·			
O2.H4.1.0050	2-01A-0-1441-R9-2						
	Class 2 01A 2-01-01/sht.1	NDE-25	MT	cs	0.562 /	36.000	H04.001.050, H04.001.050 <i>F</i>
Hyd Snubber	O-ISIN4-122A-2.1			,			
			050A) Perfori tic Particle ex	m a Surface e caminations (v			performed on carbon steel material in lieu of
O2.H4.1.0050	2-01A-0-1441-R9-2						
-	Class 2 01A 2-01-01/sht.1	NDE-66	VT-3	CS	0.562 /	36.000	H04.001.050, H04.001.050A
Hyd Snubber	O-ISIN4-122A-2.1						
			050A) Perfori tic Particle ex	m a Surface e caminations (v			performed on carbon steel material in lieu of
O2.H4.1.0051	2-01A-0-1441-R9-3						
02.114.1.0001	Class 2 01A 2-01-01/sht.1	NDE-25	МТ	, CS	0.562 /	36.000	H04.001.051, H04.001.051 <i>F</i>
Hyd Snubber	O-ISIN4-122A-2.1						
	r	Note: Magnet	051A) Perfori tic Particle ex	m a Surface e caminations (v		ent welds. dure NDE-25) may be	performed on carbon steel material in lieu of
	-	or in conjunct	tion with liqui	d penetrant e	kaminations.		

Summary Num	Component ID ISO/DWG Numbers Class / System	Procedure Insp Req	Material	Sched Thick/	NPS Cal Blocks	Componenet ID 2
	· · · · · · · · · · · · · · · · · · ·	Description Comments	·			
Category ELC				· · ·		
O2.H4.1.0051	2-01A-0-1441-R9-3				· · · · · · · · · · · · · · · · · · ·	
	Class 2 01A 2-01-01/sht.1	NDE-66 VT-3	CS	0.562/3	6.000	H04.001.051, H04.001.051/
Hyd Snubber	O-ISIN4-122A-2.1					
		Calculation No. OSC-44 (H04.001.051A) Perfo Note: Magnetic Particle o or in conjunction with liqu	rm a Surface e examinations (	with the use of procedu		ned on carbon steel material in lieu of
O2.H4.1.0052	2-01A-0-1441-R9-4	· · ·				
,	Class 2 01A 2-01-01/sht.1	NDE-25 MT	CS	• 0.562 / 3	6.000	H04.001.052
Hyd Snubber	O-ISIN4-122A-2.1					
		Calculation No. OSC-44				
			particle examir	nations or a liquid pene	trant examination or a comb ination requirements for this	pination of the 2 methods may be i item.
O2.H4.1.0052	2-01A-0-1441-R9-4	``				
	Class 2 01A 2-01-01/sht.1	NDE-66 VT-3	CS	0.562/3	6.000	H04.001.052
Hyd Snubber	O-ISIN4-122A-2.1	v				
	-		on the attachr particle examir	nations or a liquid pene	trant examination or a comb ination requirements for this	pination of the 2 methods may be item.
O2.H5.1.0001	2-01A-0-1441-H1					
	Class 2 01A 2-01-01/sht.1	NDE-25 MT	CS	0.500 / 3	6.000	H05.001.001
Spring Hgr	O-ISIN4-122A-2.1					· · ·
~		Calculation No. OSC-44	). Perform MT	examination on the atta	achment weld to the elbow.	
				-		
						· · ·

Category ELC	Component ID Class / Systen		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Compo	onenet ID 2
O2.H5.1.0002	2-MS9A-A Class 2 01A	2MS-103	NDE-600	UT	CS		1.164 / 36.000	Component		H05.001.00
	01233 2 017	O-ISIN4-122A-2.1	NDE-000	01	00			PDI UT 1- O PDI-UT-1A-O		103.001.007
Circumferential										
		2MS-9A	-					· · ·		
			Elbow to Pipe					-		
· · ·			NDE-600. If P	DI-UT-1 is u	sed, then the	calibration t	block listed shall I	calibration. Procedure F be used. NDE-946 is to Brown of the Oconee D		u of
O2.H5.1.0002	2-MS9A-A									
	Class 2 01A		NDE-946	UT	CS		1.164 / 36.000	Component		H05.001.002
		O-ISIN4-122A-2.1						PDI UT 1- O		
Circumferential								PDI-UT-1A-O	·	
		2MS-9A								
			Elbow to Pipe							
			Subassembly	2MS-9A, Pro	ocedure NDE	-600 uses th	ne component for	calibration. Procedure F	PDI-UT-1 may be used in lieu	L of
		·	NDE-600. If P	DI-UT-1 is u	sed, then the	calibration I	olock listed shall I	be used. NDE-946 is to Brown of the Oconee D	be used for thickness	
O2.H5.1.0003	2MS-103-39		NDE-600. If P	DI-UT-1 is u	sed, then the results shou	calibration I	olock listed shall I		be used for thickness	
O2.H5.1.0003	2MS-103-39 Class 2 01A		NDE-600. If P	DI-UT-1 is u	sed, then the	calibration I	olock listed shall I	Brown of the Oconee D Component	be used for thickness besign Basis Group.	
O2.H5.1.0003		2MS-103 O-ISIN4-122A-2.1	NDE-600. If P measurement	DI-UT-1 is us s. Inspection	sed, then the results shou	calibration I	block listed shall I ded to Timothy D	Brown of the Oconee D Component PDI UT 1- O	be used for thickness besign Basis Group.	
			NDE-600. If P measurement	DI-UT-1 is us s. Inspection	sed, then the results shou	calibration I	block listed shall I ded to Timothy D	Brown of the Oconee D Component	be used for thickness besign Basis Group.	
O2.H5.1.0003 Circumferential			NDE-600. If P measurement	DI-UT-1 is us s. Inspection UT	sed, then the results shou	calibration I	block listed shall I ded to Timothy D	Brown of the Oconee D Component PDI UT 1- O	be used for thickness besign Basis Group.	
			NDE-600. If P measurement NDE-946 Elbow to Elbo Procedure ND used, then the	DI-UT-1 is us s. Inspection UT w PE-600 uses calibration t	cS CS the compone	calibration I Id be forwar nt for calibra nall be used	olock listed shall I ded to Timothy D 1.164 / 36.000 ation. Procedure I	Component PDI UT 1- O PDI-UT-1A-O PDI-UT-1 may be used i e used for thickness me	be used for thickness besign Basis Group.	H05.001.00(
• •			NDE-600. If P measurement NDE-946 Elbow to Elbo Procedure ND used, then the	DI-UT-1 is us s. Inspection UT w PE-600 uses calibration t	cS CS the compone	calibration I Id be forwar nt for calibra nall be used	block listed shall I ded to Timothy D 1.164 / 36.000 ation. Procedure F NDE-946 is to b	Component PDI UT 1- O PDI-UT-1A-O PDI-UT-1 may be used i e used for thickness me	be used for thickness besign Basis Group. I n lieu of NDE-600. If PDI-UT	H05.001.00(
Circumferential	Class 2 01A	O-ISIN4-122A-2.1 2MS-103	NDE-600. If P measurement NDE-946 Elbow to Elbo Procedure ND used, then the	DI-UT-1 is us s. Inspection UT w PE-600 uses calibration t	cS CS the compone	calibration I Id be forwar nt for calibra nall be used	block listed shall I ded to Timothy D 1.164 / 36.000 ation. Procedure F NDE-946 is to b	Component PDI UT 1- O PDI-UT-1A-O PDI-UT-1 may be used i e used for thickness me s Group. Component	be used for thickness besign Basis Group. n lieu of NDE-600. If PDI-UT asurements. Inspection resu	H05.001.00( -1 is lits
Circumferential	Class 2 01A 2MS-103-39	O-ISIN4-122A-2.1	NDE-600. If P measurement NDE-946 Elbow to Elbo Procedure ND used, then the should be forv	DI-UT-1 is us s. Inspection UT w E-600 uses e calibration t varded to Tin	the compone block listed st nothy D Brow	calibration I Id be forwar nt for calibra nall be used	block listed shall I ded to Timothy D 1.164 / 36.000 ation. Procedure I NDE-946 is to b onee Design Basi	Component PDI-UT 1- O PDI-UT-1 may be used i e used for thickness me s Group. Component PDI-UT 1- O	be used for thickness besign Basis Group. n lieu of NDE-600. If PDI-UT asurements. Inspection resu	H05.001.00( -1 is lits
Circumferential O2.H5.1.0003	Class 2 01A 2MS-103-39	O-ISIN4-122A-2.1 2MS-103	NDE-600. If P measurement NDE-946 Elbow to Elbo Procedure ND used, then the should be forv	DI-UT-1 is us s. Inspection UT w E-600 uses e calibration t varded to Tin	the compone block listed st nothy D Brow	calibration I Id be forwar nt for calibra nall be used	block listed shall I ded to Timothy D 1.164 / 36.000 ation. Procedure I NDE-946 is to b onee Design Basi	Component PDI UT 1- O PDI-UT-1A-O PDI-UT-1 may be used i e used for thickness me s Group. Component	be used for thickness besign Basis Group. n lieu of NDE-600. If PDI-UT asurements. Inspection resu	H05.001.00(
Circumferential	Class 2 01A 2MS-103-39	O-ISIN4-122A-2.1 2MS-103	NDE-600. If P measurement NDE-946 Elbow to Elbo Procedure ND used, then the should be forv NDE-600	DI-UT-1 is us s. Inspection UT w DE-600 uses e calibration t varded to Tin UT	the compone block listed st nothy D Brow	calibration I Id be forwar nt for calibra nall be used	block listed shall I ded to Timothy D 1.164 / 36.000 ation. Procedure I NDE-946 is to b onee Design Basi	Component PDI-UT 1- O PDI-UT-1 may be used i e used for thickness me s Group. Component PDI-UT 1- O	be used for thickness besign Basis Group. n lieu of NDE-600. If PDI-UT asurements. Inspection resu	H05.001.00( -1 is lits
Circumferential O2.H5.1.0003	Class 2 01A 2MS-103-39	O-ISIN4-122A-2.1 2MS-103	NDE-600. If P measurement NDE-946 Elbow to Elbo Procedure ND used, then the should be forv NDE-600 Elbow to Elbo Procedure ND used, then the	DI-UT-1 is us s. Inspection UT W DE-600 uses e calibration t varded to Tin UT UT	the compone cS cS cS cS cS cS cS cS	calibration I Id be forwar nall be used n of the Occ n of the Occ	ation. Procedure F NDE-946 is to b 1.164 / 36.000 1.164 / 36.000 1.164 / 36.000	Component PDI-UT 1- O PDI-UT-1 may be used i e used for thickness me s Group. Component PDI-UT 1- O PDI-UT 1- O PDI-UT-1 may be used i e used for thickness me	be used for thickness besign Basis Group. n lieu of NDE-600. If PDI-UT asurements. Inspection resu	H05.001.003

Summary Num	Component ID Class / Systen		Procedure Description Comments	insp Req	Material	Sched	Thick/NPS	Cal Blocks	С	omponenet ID 2
Category ELC										-
O2.H5.1.0004	2-MS10A-A					=				
	Class 2 01A		NDE-946	UT	CS		1.164 / 36.000	Component	x	H05.001.004
		O-ISIN4-122A-2.1						PDI UT 1- O PDI-UT-1A-O	, ,	
Circumferential								PDP0 PPIA-O		
		2MS-10A								
			Pipe to Elbow							
			NDE-600. If F	PDI-UT-1 is ι	used, then the	calibration	block listed shall	be used. NDE-946	edure PDI-UT-1 may be use i is to be used for thickness nee Design Basis Group.	d in lieu of
O2.H5.1.0004	Ź-MS10A-A	<u> </u>							1	-
	Class 2 01A	2MS-103	NDE-600	UT	CS		1.164 / 36.000	Component		H05.001.004
	r	O-ISIN4-122A-2.1						PDIUT 1- O		
Circumferential	·							PDI-UT-1A-O		
Circumerentia		2MS-10A							· .	2
			Pipe to Elbow	1						ر
	7		Subassembly NDE-600. If F	2MS-10A. F 2DI-UT-1 is u	used, then the	calibration	block listed shall	be used. NDE-946	edure PDI-UT-1 may be use i is to be used for thickness nee Design Basis Group.	d in lieu of
Category F-A	7		Subassembly NDE-600. If F	2MS-10A. F 2DI-UT-1 is u	used, then the	calibration	block listed shall	be used. NDE-946	is to be used for thickness	d in lieu of
<i>Category F-A</i> 02.F1.11.0001	2-51A-0-1479A		Subassembly NDE-600. If F	2MS-10A. F 2DI-UT-1 is u	used, then the	calibration	block listed shall	be used. NDE-946	is to be used for thickness	d in lieu of
O2.F1.11.0001		0-2RB-25315-04	Subassembly NDE-600. If F	2MS-10A. F 2DI-UT-1 is u	used, then the	calibration	block listed shall	be used. NDE-946	is to be used for thickness	d in lieu of
			Subassembly NDE-600. If F measuremen	2MS-10A. F PDI-UT-1 is u ts. Inspection	used, then the n results shou	calibration	block listed shall rded to Timothy D	be used. NDE-946	is to be used for thickness	
O2.F1.11.0001		0-2RB-25315-04	Subassembly NDE-600. If F measuremen	2MS-10A. F 2DI-UT-1 is u ts. Inspection VT-3 0. OSC-1324	used, then the n results shou NA	calibration	block listed shall rded to Timothy D	be used. NDE-946	is to be used for thickness	
O2.F1.11.0001 Rigid Restraint	Class 1 51A	0-2RB-25315-04 O-ISIN4-101A-2.4	Subassembly NDE-600. If F measuremen NDE-66 Calculation N	2MS-10A. F 2DI-UT-1 is u ts. Inspection VT-3 0. OSC-1324	used, then the n results shou NA	calibration	block listed shall rded to Timothy D	be used. NDE-946	is to be used for thickness	
O2.F1.11.0001	Class 1 51A	0-2RB-25315-04 O-ISIN4-101A-2.4	Subassembly NDE-600. If F measuremen NDE-66 Calculation N	2MS-10A. F 2DI-UT-1 is u ts. Inspection VT-3 0. OSC-1324	used, then the n results shou NA	calibration	block listed shall rded to Timothy D	be used. NDE-946	is to be used for thickness	
O2.F1.11.0001 Rigid Restraint	Class 1 51A	0-2RB-25315-04 O-ISIN4-101A-2.4 -	Subassembly NDE-600. If F measuremen NDE-66 Calculation N HPI East Coo	2MS-10A. F PDI-UT-1 is u ts. Inspection VT-3 0. OSC-1324 lant Loop.	used, then the n results shou NA 4-06.	calibration	block listed shall rded to Timothy D 0.000 / 2.500	be used. NDE-946	is to be used for thickness	F01.011.01 <sup>7</sup> F01.011.033
O2.F1.11.0001 Rigid Restraint O2.F1.11.0008	Class 1 51A	0-2RB-25315-04 O-ISIN4-101A-2.4 -H26C 0-2RB-25314-02	Subassembly NDE-600. If F measuremen NDE-66 Calculation N HPI East Coo	2MS-10A. F PDI-UT-1 is u ts. Inspection VT-3 0. OSC-1324 lant Loop.	used, then the n results shou NA 4-06.	calibration	block listed shall rded to Timothy D 0.000 / 2.500	be used. NDE-946	is to be used for thickness	F01.011.01
O2.F1.11.0001 Rigid Restraint O2.F1.11.0008	Class 1 51A	0-2RB-25315-04 O-ISIN4-101A-2.4 -H26C 0-2RB-25314-02	Subassembly NDE-600. If F measuremen NDE-66 Calculation N HPI East Coo NDE-66	2MS-10A. F 2DI-UT-1 is u ts. Inspection VT-3 o. OSC-1324 lant Loop.	used, then the n results shou NA 4-06.	e calibration 1d be forwar 7	block listed shall rded to Timothy D 0.000 / 2.500	be used. NDE-946	is to be used for thickness	F01.011.01 <sup>7</sup> F01.011.033
O2.F1.11.0001 Rigid Restraint O2.F1.11.0008	Class 1 51A 2-53A-0-1480A Class 1 53A 2-53A-0-1478A	0-2RB-25315-04 O-ISIN4-101A-2.4 -H26C 0-2RB-25314-02 O-ISIN4-100A-2.2	Subassembly NDE-600. If F measuremen NDE-66 Calculation N HPI East Coo NDE-66 Calculation N	2MS-10A. F PDI-UT-1 is u ts. Inspection VT-3 o. OSC-1324 lant Loop. VT-3 o. OSC-1324	NA 4-06. NA 4-06. was inst	e calibration 1d be forwar 7	block listed shall rded to Timothy D 0.000 / 2.500 0.250 / 1.500 F01.010. in 3rd.	be used. NDE-946	is to be used for thickness	F01.011.01 F01.011.03
O2.F1.11.0001 Rigid Restraint O2.F1.11.0008 Rigid Restraint O2.F1.12.0008	Class 1 51A 2-53A-0-1480A Class 1 53A 2-53A-0-1478A	0-2RB-25315-04 O-ISIN4-101A-2.4 -H26C 0-2RB-25314-02 O-ISIN4-100A-2.2 -H1A 0-1492D-2(S)	Subassembly NDE-600. If F measuremen NDE-66 Calculation N HPI East Coo NDE-66	2MS-10A. F 2DI-UT-1 is u ts. Inspection VT-3 o. OSC-1324 lant Loop.	used, then the n results shou NA 4-06.	e calibration 1d be forwar 7	block listed shall rded to Timothy D 0.000 / 2.500 0.250 / 1.500	be used. NDE-946	is to be used for thickness	F01.011.01 <sup>7</sup> F01.011.033
O2.F1.11.0001 Rigid Restraint O2.F1.11.0008 Rigid Restraint	Class 1 51A 2-53A-0-1480A Class 1 53A 2-53A-0-1478A	0-2RB-25315-04 O-ISIN4-101A-2.4 -H26C 0-2RB-25314-02 O-ISIN4-100A-2.2 -H1A 0-1492D-2(S) O-ISIN4-102A-2.3	Subassembly NDE-600. If F measuremen NDE-66 Calculation N HPI East Coo NDE-66 Calculation N	2MS-10A. F PDI-UT-1 is u ts. Inspection VT-3 o. OSC-1324 lant Loop. VT-3 o. OSC-1324	NA 4-06. NA 4-06. was inst	e calibration 1d be forwar 7	block listed shall rded to Timothy D 0.000 / 2.500 0.250 / 1.500 F01.010. in 3rd.	be used. NDE-946	is to be used for thickness	F01.011.01 F01.011.03
O2.F1.11.0001 Rigid Restraint O2.F1.11.0008 Rigid Restraint O2.F1.12.0008	Class 1 51A 2-53A-0-1480A Class 1 53A 2-53A-0-1478A	0-2RB-25315-04 O-ISIN4-101A-2.4 -H26C 0-2RB-25314-02 O-ISIN4-100A-2.2 -H1A 0-1492D-2(S)	Subassembly NDE-600. If F measuremen NDE-66 Calculation N HPI East Coo NDE-66 Calculation N	2MS-10A. F PDI-UT-1 is u ts. Inspection VT-3 o. OSC-1324 lant Loop. VT-3 o. OSC-1324	NA 4-06. NA 4-06. was inst	e calibration 1d be forwar 7	block listed shall rded to Timothy D 0.000 / 2.500 0.250 / 1.500 F01.010. in 3rd.	be used. NDE-946	is to be used for thickness	F01.011.01 F01.011.03

Summary Num Category F-A	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched T	hick/NPS	Cal Blocks	Co	mponenet ID 2
O2.F1.20.0014	2-51A-3-0-437B-	DE048								······································
Rigid Support	Class 2 51A		NDE-66	VT-3	NA	0.0	000 / 4.000			F01.020.042
			Calculation N	0.050-479						
O2.F1.20.0025	2-51A-0-1439C-I	J166								
Rigid Support	Class 2 51A 2		NDE-66	VT-3	NA	0.0	000 / 4.000			F01.020.053
			Calculation N	o_OSC-102	3					
O2.F1.20.0035	2-53B-0-435B-DI	 E015								
Rigid Support	Class 2 53B (		NDE-66	VT-3	NA	0.0	00 / 14.000		· .	F01.020.073
			Calculation N	o. OSC-487.						
.O2.F1.20.0040	2-53B-2-0-435B-	R69						· · · · · · · · · · · · · · · · · · ·		
Rigid Support	Class 2 53B (	)-2AB-25301-04 D-ISIN4-102A-2.2	NDE-66	VT-3	NA	0.0	000 / 8.000			F01.020.078
			Calculation N	o. OSC-487.		·				
O2.F1.20.0042	2-53B-1-0-14390									
- Rigid Support	Class 2 53B (	)-2AB-25302-01 D-ISIN4-102A-2.2	NDE-66	VT-3 <sub>.</sub>	NA	0.0	00 / 10.000		· .	F01.020.080
			Calculation N	o. OSC-493.						
O2.F1.20.0054	2-54A-3-0-14390	2-H5	·				3			
Rigid Support	Class 2 54A 2	2-54-03/sht.1 D-ISIN4-103A-2.1	NDE-66	VT-3	NA	1.(	000 / 8.000			F01.020.096
			Calculation N	o. OSC-496.	Inspect with (	C03.020.056.				
O2.F1.20.0056	2-54A-3-0-435B-	R10								
Rigid Support	Class 2 54A 2		NDE-66	VT-3	NA		000 / 8.000			F01.020.098
· ,			Calculation N	o. OSC-494.						
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Summary Num		ी O/DWG Numbers	Procedure Description Comments	Insp Reg	Material	Sched	Thick/NPS	Cal Blocks	Co	omponenet ID 2
Category F-A	~									
O2.F1.21.0011	2-14-1478F-H6091	D 0000 1 10 00								
Rigid Restraint		B-203A13-03 IN4-121D-2.1	NDE-66	VT-3	NA		0.000 / 6.000			F01.021.02
			Calculation No	. OSC-1224-	.17.					
O2.F1.21.0016	2-51A-0-1478A-H130 Class 2 51A 2-51-	-12/sht.5	NDE-66	VT́-3	NA		0.750 / 2.500			F01.021.04
Rigid Restraint	O-IS	IN4-101A-2.1		-	~					
			Calculation No HPI System.	o. OSC-1660-	·06.					
O2.F1.21.0021	2-51A-2-0-438C-SP1									
Rigid Restraint	Class 2 51A 2-51- O-IS	-18/snt.5 IN4-101A-2.4	NDE-66	VT-3	NA		0.000 / 4.000	i		F01.021.049
			Calculation No HPI System.	o. OSC-1023.			~>	· · · · · · · · · · · · · · · · · · ·		
O2.F1.21.0023	2-51B-436J-DE013						•		· · · · · · · · · · · · · · · · · · ·	
Rigid Restraint	Class 2 51B 0-2A O-IS	B-25102-01 IN4-101A-2.2	NDE-66	VT-3	NA	•	0.000 / 3.000			F01.021.05
				ng this supp				mination boundary sho mplete this exam.	uld be extended back t	o the building
O2.F1.21.0030	2-53B-5-0-1436A-R5					·		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
Rigid Restraint	Class 2 53B 0-2A O-IS	B-25302-03 IN4-102A-2.2	NDE-66	VT-3	NA		0.000 / 10.000			F01.021.064
			Calculation No	. OSC-493.						•
O2.F1.21.0038	2-56-438B-DE002						····			
Rigid Restraint		-02/sht.5 IN4-104A-1.1	NDE-66	VT-3	NA		0.000 / 8.000	· .		F01.021.082
•			Calculation No When examini structure. Sup	ng this suppo	ort, which is p -GH-TRB-75	art of a gan 76-02 will als	g hanger, the exa so be needed to c	mination boundary sho omplete this exam.	uld be extended back to	o the building

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Summary Num	Component ID ISO/DWG Numbers Class / System	Procedure Description Comments	Insp Req	Material	Sched Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A	۰.						
O2.F1.21.0039 Rigid Restraint	2-56-0-1478A-H11 Class 2 56 0-2RB-25310-01 O-ISIN4-104A-1.1	NDE-66	VT-3	NA	0.375 / 8.000	ſ	F01.021.08
Rigid Restraint	0-13114-104A-1.1						
•		Calculation N	o. OSC-1321	-07.			
O2.F1.22.0002	2-01A-0-1481B-H11B						
Constant Support	Class 2 01A 2-01-08/sht.1 O-ISIN4-122A-2.1	NDE-66	VT-3	NA	2.000 / 36.000		F01.022.002
		Calculation N	o. OSC-1315	. Inspect with	C03.020.004.	•	
O2.F1.22.0008	2-01A-0-1480A-H1A						
	Class 2 01A 2-01-09/sht.1	NDE-66	VT-3	NA	1.500 / 26.000		F01.022.008
Constant Support	O-ISIN4-122A-2.1						5.
		Calculation N	o. OSC-1315		. •		
O2.F1.22.0013	2-51A-435B-DKB-1411						
	Class 2 51A 0-2AB-25102-02	NDE-66	VT-3	NA	0.226 / 6.000		E01.022.042
Spring Hgr	O-ISIN4-101A-2.3						
		Calculation N	o. OSC-481.	Inspect with (	03.020.034.		
O2.F1.22.0023	2-53B-5-0-1439A-H56						
Spring Hgr	Class 2 53B 0-2AB-25305-01 O-ISIN4-102A-2.2	NDE-66	VT-3	NA .	0.000 / 10.000		F01.022.057
		Calculation N	o. OSC-491.				
O2.F1.22.0025	2-54A-3-0-435B-H25					· · ·	
· .	Class 2 54A 2-54-1/sht.1	NDE-66	VT-3	NA	0.216 / 8.000		F01.022.061
Spring Hgr	O-ISIN4-103A-2.1						
		Calculation N	o. OSC-494.	Inspect with (	03.020.051.		
			-			-	•
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Summary Num	Component ID ISO/DWG Numbers Class / System	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A			. <u></u>					•
O2.F1.30.0013	2-03-0-1439B-H54							
Rigid Support	Class 3 03 2-01-03/sht.1 O-ISIN4-121B-2.3	NDE-66	VT-3	NA	0.	000 / 24.000		F01.030.02(
		Calculation N Inspect with it		ł04.001.002.				
O2.F1.30.0014	2-03A-1-0-1401B-SR8							
Rigid Support	Class 3 03A 2-03A-05/sht.5 O-ISIN4-121D-2.1	NDE-66	VT-3	NA	0	.000 / 6.000		F01.030.021
· · · · · · · · · · · · · · · · · · ·								
		Calculation N	o. OSC-447.					
O2.F1.30.0020	2-03A-0-1400A-MDH-1101				ara anala da a			
I	Class 3 03A 0-2TB-203A12-01	NDE-66	VT-3	NA	0	.500/6.000		F01.030.027
Rigid Support	O-ISIN4-121D-2.1							
`		Calculation N	o. OSC-1213	Inspect with	D01.020.015.			
O2.F1.30.0035	2-14B-0-437B-JEJ-1705							
	Class 3 14B 0-2AB-21405-02	NDE-66	VT-3	NA	0.	000 / 12.000		F01.030.072
Rigid Support	O-ISIN4-124B-1.1							
		Calculation N	o. OSC-473.					
O2.F1.31.0002	2-03A-1-0-1401A-SR28	· · ·				L.		
	Class 3 03A 2-03A-06/sht.1	NDE-66	VT-3	NA	0	.000 / 6.000		F01.031.011
Rigid Restraint	O-ISIN4-121D-2.1							· · ·
		Calculation N	o. OSC-459.					
O2.F1.31.0004	2-03A-1-0-1401B-SR4							
	Class 3 03A 2-03A-05/sht.5	NDE-66	VT-3	NA	0	.000 / 6.000		F01.031.01:
Rigid Restraint	O-ISIN4-121D-2.1							
		Calculation N	o. OSC-447.					
	· .							
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Oconee 2, 4th Interval, outage 4 (EOC-24)

Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	7	Com	ponenet ID 2
Category F-A											
O2.F1.31.0015	2-07A-1400A-I						· .				
	Class 3 07A	0-2TB-20701-06	NDE-66	VT-3	NA	•	0.000 / 8.000				F01.031.03
Rigid Restraint		O-ISIN4-121A-2.8									)
		· ·	Calculation N	o. OSC-467.							ſ
O2.F1.31.0025	2-14B-1-0-143	9-H13									
	Class 3 14B		NDE-66	VT-3	NA		0.000 / 8.000				F01.031.067
Rigid Restraint	1	O-ISIN4-124B-2.2								•	
			Calculation N When examir structure. Sup	ing this supp	ort, which is r 2-GH-QR-787	part of a gang 9-03 will also	g hanger, the exa be needed to c	amination bounda omplete this exar	ary should be extend	ded back to t	ne building
O2.F1.31.0027	2-57-0-1481A-	H4									
	Class 3 57	0-2RB-25701-01	NDE-66	VT-3	NA		1.000 / 12.000				F01.031.07
Rigid Restraint		O-ISIN4-107A-2.1									
			Calculation N	o. OSC-1332	-06. Inspect v	with D01.020.	.075.				
O2.F1.32.0004	2-03-0-1401A-	R7							-		
	Class 3 03	2-03-01/sht.1	NDE-66	VT-3	NA		1.000 / 24.000				F01.032.012
Hyd Snubber		O-ISIN4-121B-2.3					-				
			Calculation N	o. OSC-454.	Inspect with I	D01.020.010,	, H04.001.008 a	nd H04.001.008	۹.		
O2.F1.32.0014	2-57-0-1480A-	NWIZ			····						
	Class 3 57	0-2RB-25701-01	NDE-66	VT-3	NA		0.000 / 12.000				F01.032.061
Mech Snubber		O-ISIN4-107A-2.1									
			Calculation N	، 0. OSC-1332	-06.	<u> </u>					
O2.F1.40.0019	2-RCSR-FTR		<u> </u>						······································		
	Class 2	OM-201-2135	NDE-66	VT-3	NA		0.000 / 0.000				F01.040.01§
		O-ISIN4-101A-2.1 0-2AB-25106-02	-								• .
			Reactor Coola	ant Seal Retu	ırn Filter. This	support is lis	sted as 2-51A-3-	0-1436A-H79.			•
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			Occ	onee 2, 4th	Interval, outag	ge 4 (EOC-2	24)		
Summary Num	Component ID Class / System		Procedure Description Comments	Insp Reg	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A							· · · · · · · · · · · · · · · · · · ·		
O2.F1.40.0027	2-50-RCPM-2B								
Hyd Snubber	Class 1	0-1066A O-ISIN4-100A-2.1 O-ISIN4-100A-2.3	NDE-66	VT-3	NA		0.000 / 6.000		F01.040.02
			Calculation N	o. OSC-099	1-01-0001, Re	actor Coola	nt Pump 2B1 Mo	tor Snubbers. Reference PIF	P 0-O96-1575
Category Q-A								ν	
O2.Q1.1.0001	2RC-326-21V								
	Class 1 50	ISI-OCN2-015 ISI-OCN2-006	PDI-UT-8	UT	SS-Inconel		1.000 / 10.750	DE-13-AX-01 DE-13-CIRC-01	-
Dissimilar Stress Weld		2RC-326							
			Weld Overlay		~				
			Weld 21V is I weld is locate	isted on wel d on the 2B	d iso 2RC-326 Hot Leg piping	but drawing loop and the	he location for the	and ISI-OCN2-006 are listed a e surge line to nozzle weld loo	as the iso's to show where the cation. butage 4 does not count in the
O2.Q1.1.0002	2RC-266-23V	,							
	Class 1 50	ISI-OCN2-016 ISI-OCN2-002	PDI-UT-8	UT	SS-Inconel		.531 / 4.00	DE-6-AX-01 DE-6-CIRC-01	
		2RC-266							
Terminal End Dissimilar									
			2						×
Dissimilar			Weld Overlay						

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Summary Num	Component II Class / Syste		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks		Componenet ID
Category Q-A										
O2.Q1.1.0003	2RC-326-22V Class 1 50	ISI-OCN2-002 O-ISIN4-100A-2.1	PDI-UT-8	UT	SS-CS		1.930 / 11.375	DE-13-AX-01 DE-13-CIRC-01		
Terminal End Dissimilar Stress Weld		2RC-326					:	· · · ·		
			Weld Overlay							
			PZR Surge no Weld 2RC-32 Inspection in (	isted on weld ozzle to SE w 6-22V is weld outage 4 doe s that is requi	iso 2RC-326 reld location. d overlay that s not count in	but drawing covers well the percen	g ISI-OCN2-002 i d 2-PZR-WP23. itages. The inspe	s listed as the iso to s stion in outage 5 is p rval. The weld in out	art of the 25% of th	e population of weld
	2-PZR-WP91-	1-WOL								
	Class 1 50	ISI-OCN2-002 O-ISIN4-100A-2.1	PDI-UT-8	UT	ŚS-CS		/ 2.5	DE-6-AX-01 DE-6-CIRC-01		
Terminal End Dissimilar			• •		· ·					
			Weld Overlay							
		· · ·	added to it an for Appendix ( examined dur	d now uses t Q. The inspe	he ID 2-PZR-N ction in outage	WP91-1-W e 5 is part c	OL. Inspection in of the 25% of the	V-X Quadrant. Weld outage 4 does not co oopulation of weld ov utage 5 does count i	ount in the percenta rerlaid items that is	age required (25%) required to be
			Q.							
Q2.Q1.1.0005	2-PZR-WP91-	2-WOL	Q							
D2.Q1.1.0005	2-PZR-WP91- Class 1 50	2-WOL ISI-OCN2-002 O-ISIN4-100A-2.1	Q. PDI-UT-8	UT	SS-CS		/ 2.5	DE-6-AX-01 DE-6-CIRC-01		
D2.Q1.1.0005 Ferminal End Dissimilar		ISI-OCN2-002		UT	SS-CS		12.5			-

	NL OCN2-002 SIN4-100A-2.1	added to it an	elief Nozzle	SS-CS		/ 2.5	DE-6-AX-01 DE-6-CIRC-01	
Class 1 50 ISI-OC O-ISIN Dissimilar 02.Q1.1.0007 2-53A-10-13V Class 1 53A ISI-OC	OCN2-002	Weld Overlay Pressurizer R added to it an	elief Nozzle			/ 2.5		
O-ISIN Dissimilar O2.Q1.1.0007 2-53A-10-13V Class 1 53A ISI-OCI		Weld Overlay Pressurizer R added to it an	elief Nozzle			/ 2.5		
Dissimilar O2.Q1.1.0007 2-53A-10-13V Class 1 53A ISI-OCI	· · · · · · · · · · · · · · · · · · ·	Pressurizer R added to it an	elief Nozzle			. ?		
Class 1 53A ISI-OC		Pressurizer R added to it an	elief Nozzle					-
Class 1 53A ISI-OC	·	added to it an						
Class 1 53A ISI-OC		for Appendix (					-W Quadrant. Weld 2- outage 4 does not cou	
		PDI-UT-8	UT	SS-Inconel	1	1.125 / 12.000	DE-13-AX-01 DE-13-CIRC-01	
Dissimilar O-ISIN Stress Weld	SIN4-100A-2.1							
		Weld Overlay						
		Weld 2-53A-1 located on the Weld 2-53A-1	0-13V is list e 'A" Hot Leg 0-13V is we	ted on weld iso g reactor coola eld overlay that	2-53A-10 but nt piping loop. covers weld 2	drawing ISI-O	9 Pc. 34 to Pipe (12" N CN2-005 is listed as the veld 2-53A-10-10A.	ere the weld is

### 4.0 <u>Results Of Inspections Performed</u>

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 <u>Reportable Indications</u>

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

### 4.2 <u>Corrective Action</u>

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

#### 4.3 <u>Corrective Measures</u>

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

EOC 24 Refueling Outage Report Oconee Unit 2 Page 1 of 2 Revision 0 July 14, 2010

### 4.4 Limited Examinations

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

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

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

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

EOC 24 Refueling Outage Report Oconee Unit 2 Section 4 Page 2 of 2 Revision 0 July 14, 2010 Scheduleworks

## DUKE ENERGY PRORATION QUALITY ASSURANCE TECHNICAL SERVICES Inservice Inspection Database Management System

## Inspection Results

# Oconee 2, 4th Interval, Outage 4 (EOC-24)

					FOR INFO	ORMATIO	N ONLY	1	
Summary No	Component ID	System	insp Date	insp Status	Insp Limited	Geo Ref	RFR	Comment	
D2.B10.20.0008	2-53A-0-1478A-H1A	53A	05/09/10	CLR	N	N	N	PT-10-273	
D2.B12.30.0001	2-51A-HP-126	53A	05/04/10	CLR	N	N	N	PT-10-270	
D2.B15.210.0001	2RC-278-66	50	04/26/10	CLR	N	N	N	VT-10-493	· · · · ·
D2.B15.210.0002	2RC-278-70V	50	04/26/10	CLR	N	N	N	VT-10-494	
D2.B15.210.0003	2RC-277-50	50	04/26/10	CLR	N	N	N	VT-10-486	
D2.B15.210.0004	2RC-277-71V	50	04/26/10	CLR	N	N	N	VT-10-487	
D2.B15.210.0005	2RC-278-23	50	04/26/10	CLR	Ν.	N	N	VT-10-495	· · · · · · · · · · · · · · · · · · ·
D2.B15.210.0006	2RC-278-69	50	04/26/10	CLR	N	N	N	VT-10-496	· · · · · · · · · · · · · · · · · · ·
D2.B15.210.0007	2RC-277-24	50	04/26/10	CLR	N	N	N	VT-10-479	
D2.B15.210.0008	2RC-277-70	50	04/26/10	CLR	N	N	N	VT-10-488	
D2.B15.210.0009	2-PHA-13	50	04/26/10	CLR	N	N	N	VT-10-497	· · · · ·
O2.B15.210.0010	2-PHA-14	50	04/26/10	CLR	N	N	N	VT-10-498	· · · · · · · · · · · · · · · · · · ·
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Summary No	Component ID	System	insp Date	Insp Status	insp Limited	Geo Ref	RFR	Comment
02.B15.210.0011	2-PHA-15	50	04/26/10	CLR	N	N	N	VT-10-499
)2.B15.210.0012	2-PHB-13	50	_04/26/10	CLR	<b>N</b>	N	N	VT-10-489
D2.B15.210.0013	2-PHB-14	50	04/26/10	CLR	N	N	N	VT-10-490
D2.B15.210.0014	2-PHB-15	50	04/26/10	CLR	N	N	N	VT-10-491
D2.B15.210.0015	2SGA-HL-CON-36	50	04/26/10	CLR	N	N	N	VT-10-500
D2.B15.210.0016	2SGB-HL-CON-27	50	04/26/10	CLR	N	N	N	VT-10-492
D2.B15.215.0003	2-PIB1-11	50	04/27/10	CLR	N	N	· N	VT-10-481
								This weld had weld overlay applied over it after the exam in 2EOC-24 was performed. It will not be accessible for examination in the future.
D2.B15.215.0004	2-51A-35-15A	51A	04/27/10	CLR	N	N	N	VT-10-482
								This weld had weld overlay applied over it after the exam in 2EOC-24 was performed. It will not be accessible for examination in the future.
D2.B15.215.0007	2-PIB1-7	50	04/27/10	CLR	N	N	N	VT-10-480
)2.B15.215.0008	2-PIB2-7	. 50	04/27/10	ÇLR	N	N	N	VT-10-484
D2.B15.215.0011	2-PDB1-2	50	04/26/10	CLR	N	N	N	VT-10-483
D2.B15.215.0012	2-PDB2-2	50	04/26/10	CLR	N	N	N	VT-10-485
	2-PIB2-11	. 50	04/27/10	CLR	N	N	N	VT-10-507

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

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Summary No	Component ID	System	insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B3.110.0003	2-PZR-WP33-3	50	05/03/10	CLR	Y	N	Y	UT-10-447
					•			PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.
O2.B3.110.0005	2-PZR-WP33-1	50	05/03/10	CLR	Y	N	Υ.	UT-10-450
								PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.
~		50	05/03/10	CLR	Y	N	Y	UT-10-451
								PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.
O2.B3.120.0002	2-PZR-WP34		05/12/10	CLR	N	N	N	UT-10-490
O2.B3.120.0003	2-PZR-WP33-3	50	` 05/12/10	CLR	N	N	N	UT-10-491
O2.B3.120.0004	2-PZR-WP33-2	50	05/12/10	CLR	N	N	N	UT-10-492
O2.B3.120.0005	2-PZR-WP33-1	50	05/12/10	CLR	N .	N	N	UT-10-493
O2.B5.10.0001	2-RPV-WR53	50	05/09/10	CLR	Ŷ	N	N	UT-NA
							·	Greater than 90 % coverage achieved.
O2.B5.10.0002	2-RPV-WR53A	50	05/09/10	CLR	Y_	N	N	UT-NA
								Greater than 90 % coverage achieved.
O2.B6.60.0001	2-PZR-MW-STUDS	50	05/13/10	CLR	N	N	. N	_ UT-10-478
O2.B6.80.0001	2-PZR-MW-NUTS	50	05/05/10	CLR	N	N	N	VT-10-538
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					FOR INF		N ONLY	4
Summary No	Component ID	System	insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
D2.B7.30.0005	2-SGA-UHHC-STUDS	50	05/01/10	CLR	Ν	N	Ν	VT-10-533
D2.B7.30.0006	2-SGB-UHHC-STUDS	50	05/01/10	CLR	N	N	N	VT-10-534
<b>D2.B7.70.0005</b>	2-53A-LP1-STUDS	53A	05/06/10	CLR	. <b>N</b>	N	N	VT-10-539
D2.B9.11.0006	2-PDA1-2	50	05/04/10	CLR	N	N	N	PT-10-262
		50	04/30/10	CLR	N	N	N	UT-10-398
O2.B9.11.0007	2-PDA2-2	50	<b>05/04/10</b>	CLR	N	N	N	′PT-10-261
		50	05/02/10	REC	N	'N	N	UT-10-383
								Indication # 1 is a subsurface flaw that is acceptable per IWB-
O2.B9.11.0008	2-PDB1-2	50	05/03/10	CLR	N	N	N	PT-10-256
	·	50	05/03/10	CLR	Ν	N	N	UT-10-394
O2.B9.11.0009	2-PDB2-2	50	05/03/10	CLR	. <b>N</b>	N	N	PT-10-260
		50	05/03/10	CLR	N	N	N	UT-10-392
O2.B9.11.0012	2-PIA1-7	50	~ 04/28/10	CLR	N <u>.</u>	N	N	PT-10-254
	•	50	04/29/10	CLR	N	N	N	UT-10-396
O2.B9.11.0013	2-PIA2-7	50	04/30/10	CLR	N	Ň	N	PT-10-257

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ummary No	Component ID	System	Insp Date	insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B9.11.0014	2-PIB1-7	50	05/03/10	CLR	Ν	Ν	N	PT-10-258
		50	05/03/10	CLR	N	N	N	UT-10-391
O2.B9.11.0015	2-PIB2-7 ~	50	05/03/10	CLR	N	N	N	PT-10-259
		50	05/01/10	REC	N	N	N	UT-10-384
, <i>,</i>					-			Indication # 1 is a subsurface flaw that is acceptable per IWB-3514-2.
D2.B9.11.0020	2RC-279-88V	50	04/29/10	CLR	N	N	N,	MT-10-094
		50	04/29/10	CLR	N	Ņ	N	UT-10-372
02.B9.11.0046	2-PIA1-8	50	05/15/10	CLR	· Ý	N	Y	UT-10-498
								Best effort exam for coverage.
		50	05/16/10	CLR	Y	N	Y	UT-10-499
								PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.
)2.B9.11.0053	2-PDA2-1	50	05/13/10	CLR	Y	N	Y	UT-10-480
			• •	·			-	PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.
	,	50	05/13/10	CLR	Y	Ν	Y	UT-10-487
		- ````			-			Best effort exam for coverage.
02.B9.11.0063	2-PDB2-1	50	05/13/10	CLR	Y	N	Ý	UT-10-481
				•				PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.

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Summary No	Component ID	System	insp Date	insp Status	Insp Limited	Geo Ref	RFR	Comment
D2.B9.11.0063	2-PDB2-1	50	05/13/10	CLR	Y .	N	<b>Y</b>	UT-10-486
							٠	Best effort exam for coverage.
D2.B9.11.0068	2-53A-10-8	53A .	05/08/10	CLR	N	N	N	UT-10-419
D2.B9.11.0074	2-53A-8-60		05/10/10	CLR	Ň	N	N	UT-10-436
D2.B9.21.0007	2-PDB2-11	50	05/04/10	CLR	N <sup>°</sup>	N	N	PT-10-266
D2.B9.21.0033	2RC-202-17	51A	05/04/10	CLR	N	N	N	PT-10-271
O2.B9.21.0038	2RC-203-4	51A	05/04/10	CLR	N	N	N	PT-10-269
D2.B9.21.0039	2RC-204-37	51A -	05/04/10	CLR			N	PT-10-267 -
O2.B9.21.0042	2RC-205-1	51A	05/04/10	CLR	N		N	PT-10-265
D2.B9.21.0043	2RC-205-3	51A	05/04/10	CLR	<b>N</b>	N	N	PT-10-264
D2.B9.21.0044	2RC-205-4	51A	05/04/10	CLR	N	N	. N	PT-10-263
D2.B9.21.0048	2-51A-30-11	51A	05/12/10	CLR	N	N	N	PT-10-274
D2.B9.21.0066	2HP-216-4	51A	05/07/10	CLR	N	N	N	PT-10-272
O2.B9.21.0067	2HP-216-8	51A	05/04/10	CLR	N	N	N	PT-10-268
O2.B9.32.0003	2-PDB1-10	50	05/04/10	, CLR	N	N	N	MT-10-097

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Summary∘No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment			•
O2.B9.32.0005	2-PDB2-10	50	05/04/10	CLR	N	N	N	MT-10-098			
O2.B9.32.0007	2-PIA2-10	50	05/14/10	CLR	N	N	N	MT-10-105	•	· ·	
O2.B9.40.0005	2RC-271-7	50	04/30/10	CLR	. <b>N</b>	N	N	PT-10-255			
O2.B9.40.0008	2-50-7-102	50	04/29/10	CLR	N	N	N	PT-10-253			
O2.C3.20.0004	2-01A-0-1481B-H11B	01A	05/13/10	CLR	N	N	N	MT-10-100			
O2.C3.20.0016	2-51A-435B-DKB-1411	51A	02/09/10	CLR	N	Ň	. <b>N</b>	PT-09-251	v		
O2.C3.20.0029	2-54A-3-0-435B-H25	54A	02/09/10	CLR	N	N	·N	PT-09-252	······································	· ·····	
O2.C3.20.0034	2-54A-3-0-1439C-H5	54A	02/01/10	CLR	<b>N</b>	N	N	PT-09-250		,	· · ·
O2.C5.11.0009	2LP-150-39		02/01/10	CLR	N _	N	N	UT-09-357		······	
O2.C5.11.0010	2LP-150-40		02/01/10	CLR	N	N	N	UT-09-358	-		
O2.C5.11.0013	2LP-148-89	53A	02/01/10	CLR	N	N	N	UT-09-359			
O2.C5.11.0014	2LP-148-92	53A	02/02/10	CLR	Y	N	N	UT-09-361	· .		
								Greater than 90% coverage ach	nieved.		
O2.C5.11.0037	2LP-215-2	53A	05/09/10	CLR	N	N	N	UT-10-420			 
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Summary No	Component ID	System	insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment	
O2.C5.11.0038	2LP-215-27	53A	05/09/10	CLR	Y	N	Y	UT-10-466	
									05 was written to determine the corrective action for the limited eved for this item.
O2.C5.11.0039	2LP-215-3	53A	05/09/10	CLR	N	N	N	UT-10-421	•
O2.C5.11.0040	2LP-215-5	53A	05/08/10	CLR	N	N	N	UT-10-415	
O2.C5.11.0041	2LP-215-6	53A	05/08/10	CLR	N	N	N	UT-10-413	
O2.C5.11.0042	2LP-215-9	53A	05/09/10	CLR	N	N	Ň	UT-10-422	、 、
O2.C5.11.0043	2LP-216-1	53A	05/08/10	CLR	N	N	N	UT-10-414	
O2.C5.11.0044	2LP-216-10	53A	05/08/10	CLR	N	N	N	UT-10-416	
O2.C5.11.0045	2LP-216-14	53A	05/08/1 <u>́</u> 0	CLR	N	N	N	UT-10-417	
O2.C5.11.0046	2LP-216-15	53A	05/08/10	CLR	N	N	Ň	UT-10-418	· · ·
O2.C5.11.0070	2LPS-724-1	14B	05/10/10	CLR	N	N	N	UT-10-437	
O2.C5.11.0075	2LPS-724-17	. 14B	05/10/10	CLR	N	<b>N</b> .	N	UT-10-439	
O2.C5.11.0077	2LPS-724-2	14B	05/10/1 <u>0</u>	CLR	N	N	N	UT-10-438	
O2.C5.21.0033	2HP-222-106AA	51A	02/03/10	CLR	N	N	N	UT-09-365	
O2.C5.21.0034	2HP-222-106C	51A	02/03/10	CLR	Ň	Ν	N	UT-09-364	
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Summary No	Component ID	System	insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
D2.C5.21.0035	2HP-341-V1	51A	02/02/10	CLR	Y	N	Y	UT-09-362
							2	PIP O-10-02605 was written to determine the corrective action for the limited coverage achieved for this item.
02.C5.21.0036	2-51A-28-65		02/02/10	CLR	N .	N	N	UT-09-360
)2.C5.21.0051	2-51A-17-97	51A	05/11/10	CLR	N	N	N	UT-10-479
D2.C5.21.0053	2-51A-17-98B	51A	05/05/10	CLR	N	N	N	UT-10-386
D2.C5.21.0054	2-51A-17-98D	51A	05/05/10	CLR	N	N	N	UT-10-387
)2.C5.21.0489	2-51A-17-96	51A	05/11/10	CLR	N	N	N	UT-10-474
D2.C5.51.0005	2MS-123-27	01A	05/12/10	CLR	N	N	N	UT-10-465
D2.C5.51.0006	2MS-103-9	01A	05/15/10	CLR	N	Ň	N	UT-10-494
D2.C5.51.0014	2FDW-210-21	03A	05/14/10	CLR	N	N	N .	UT-10-488
D2.C5.51.0018	2-03A-67-7	03A	02/03/10	CLR	N	Y	N	UT-09-363
								Indications 1 & 2 were determined to be geometric reflectors due to weld backing ring.
D2.C5.51.0022	2FDW-226-37	03	05/15/10	CĹR	<b>N</b>	N	N	UT-10-495
D2.C5.51.0035	2LPS-606-2	14B	02/03/10	CLR	N	Y	N	UT-09-367
						 ·		Indications 1 2, & 3 were determined to be geometric reflectors due to weld backing ring.
rten a decardea 1969 darmen bada 1879 ar	anana 12 <sup>°</sup> 00 (2010) - ada ang panghanakana niturna kata dala	4 /04 /09	مى بىرى بىرى بىرى بىرى بىرى بىرى بىرى بى					Oconee 2 7/14/2010 2:17:26 PM Page 10 of 22

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Summary No	Component ID	System	insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
02.C5.51.0036	2LPS-606-3	14B	02/03/10	CLR	N	Y	N	UT-09-368
				,				Indication 1 was determined to be root geometry.
O2.C5.51.0038	2LPS-606-82	14B	02/03/10	CLR	N	N	Ň	UT-09-366
O2.C5.51.0042	2FDW-226-36	03	05/15/10	ĊLR	N	N	Ν.	UT-10-496
O2.C5.51.0053	2-03-18-44AA	03	05/11/10	CLR	N	N	N	UT-10-471
O2.C5.61.0004	2-14-238-24	03A	05/14/10	CLR	N	N	N	RT-NA
O2.D1.20.0004	2-03-0-1401A-R7	03	04/29/10	CLR	N .	N	N	VT-10-543
O2.D1.20.0009	2-03A-0-1400A-MDH-1101	I 03A	03/01/10	CLR	Ň	N	N	VT-10-473
O2.D1.20.0027	2-57-0-1481A-H4	57	05/08/10	CLR	<b>N</b> .	N	N	VT-10-544
O2.F1.11.0001	2-51A-0-1479A-H10A	51A	<b>04/29/10</b>	CLR	N	N	N	VT-10-528
O2.F1.11.0008	2-53A-0-1480A-H26C	53A	04/29/10	CLR	N	N	N	VT-10-529
O2.F1.12.0008	2-53A-0-1478A-H1A	53A	05/08/10	CLR	N	N	·N	VT-10-540
O2.F1.20.0014	2-51A-3-0-437B-DE048	51A	04/14/10	CLR	N	N	N	VT-10-477
O2.F1.20.0025	2-51A-0-1439C-H166	51A	02/04/10	CLR	N	N	N	VT-09-464
O2.F1.20.0035	2-53B-0-435B-DE015	53B	02/10/10	CLR	N	N	N	VT-09-468
1999 - Lan - Martine Martin, 1991 - 1920 - Franker St. 1980 - 1987	1976 A. V. M. I. B. MATALING METADO, 1977 A. H. M. M. M. MATALING, MANAGEMENT, 1975, SPACE MANY,	nggaganana nati gababah		NANDARINE ALAY AT DESIGNATION	ara, o, meninikasine turpasunata manua	19 1 a antonio (17 antonio - 17 antonio	www.TheYtesh.det	аналыктын жылыктын улааныктын калагын к Ороноосоосоосоосоосоосоосоосоосоосоосоосоо

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mponent ID 3-2-0-435B-R69 3-1-0-1439C-DE067 A-3-0-1439C-H5	System 53B 53B	<i>Insp Date</i> 02/10/10 02/04/10	Insp Status CLR CLR	Insp Limited N	Geo Ref N	RFR N	<i>Comment</i> VT-09-467
3-1-0-1439C-DE067	53B				N	N	VT-09-467
		02/04/10	CLR	N			<b>`</b>
A-3-0-1439C-H5	510				Ν	N	VT-09-463
	547	02/04/10	REC	N	N	N	VT-09-462
				~ .			The discrepancies that were found were reviewed by civil engineering and the support was determined to be acceptable for service. Work Order # 01000992 was written to correct problems.
A-3-0-435B-R10	54A	02/10/10	CLR	N	N	N	VT-09-469
1478F-H6091	14	05/04/10	CLR	N	Ň	N	VT-10-536
A-0-1478A-H13C	51A	05/17/10	CLR	N	Ň	N	VT-10-548
A-2-0-438C-SP115	51A	04/08/10	CLR	N	N	N	VT-10-478
3-436J-DE013	51B	04/28/10	CLR	N	N	N	VT-10-511
3-5-0-1436A-R5	53B	03/08/10	CLR	N	N	N	VT-10-475
438B-DE002	56	03/09/10	REC	N	N	N	VT-10-476
-							The discrepancies that were found were reviewed by civil engineering and the support was determined to be acceptable for service.
0-1478A-H11	56	05/08/10	CLR	N	Ň	N	VT-10-541
	1478F-H6091 A-0-1478A-H13C A-2-0-438C-SP115 B-436J-DE013 B-5-0-1436A-R5 438B-DE002	1478F-H6091       14         A-0-1478A-H13C       51A         A-2-0-438C-SP115       51A         B-436J-DE013       51B         B-5-0-1436A-R5       53B         438B-DE002       56	1478F-H6091       14       05/04/10         A-0-1478A-H13C       51A       05/17/10         A-2-0-438C-SP115       51A       04/08/10         B-436J-DE013       51B       04/28/10         B-5-0-1436A-R5       53B       03/08/10         438B-DE002       56       03/09/10	1478F-H6091       14       05/04/10       CLR         A-0-1478A-H13C       51A       05/17/10       CLR         A-2-0-438C-SP115       51A       04/08/10       CLR         3-436J-DE013       51B       04/28/10       CLR         3-5-0-1436A-R5       53B       03/08/10       CLR         438B-DE002       56       03/09/10       REC         0-1478A-H11       56       05/08/10       CLR	1478F-H6091       14       05/04/10       CLR       N         A-0-1478A-H13C       51A       05/17/10       CLR       N         A-2-0-438C-SP115       51A       04/08/10       CLR       N         3-436J-DE013       51B       04/28/10       CLR       N         3-5-0-1436A-R5       53B       03/08/10       CLR       N         438B-DE002       56       03/09/10       REC       N         0-1478A-H11       56       05/08/10       CLR       N	1478F-H6091       14       05/04/10       CLR       N       N         A-0-1478A-H13C       51A       05/17/10       CLR       N       N         A-2-0-438C-SP115       51A       04/08/10       CLR       N       N         B-436J-DE013       51B       04/28/10       CLR       N       N         B-436J-DE013       51B       04/28/10       CLR       N       N         B-5-0-1436A-R5       53B       03/08/10       CLR       N       N         438B-DE002       56       03/09/10       REC       N       N         0-1478A-H11       56       05/08/10       CLR       N       N	1478F-H6091       14       05/04/10       CLR       N       N       N         A-0-1478A-H13C       51A       05/17/10       CLR       N       N       N         A-2-0-438C-SP115       51A       04/08/10       CLR       N       N       N         B-436J-DE013       51B       04/28/10       CLR       N       N       N         B-436J-DE013       51B       04/28/10       CLR       N       N       N         B-436J-DE013       51B       03/08/10       CLR       N       N       N         B-438B-DE002       56       03/09/10       REC       N       N       N         0-1478A-H11       56       05/08/10       CLR       N       N       N

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ummary No	Component ID	System	Insp Date	insp Status	Insp Limited	Gèo Ref	RFR	Comment	
2.F1.22.0002	2-01A-0-1481B-H11B	01A	05/02/10	REC	N	N	N	VT-10-530	
					-			support was was written to	ncies that were found were reviewed by civil engineering and the determined to be acceptable for service. Work Order # 1895287 o correct problems.
2.F1.22.0008	2-01A-0-1480A-H1A	01A	05/11/10	CLR	N	N	Ν	VT-10-545	
2.F1.22.0013	2-51A-435B-DKB-1411	51A	02/10/10	CLR	N	N	N	VT-09-465	· · · · · · · · · · · · · · · · · · ·
2.F1.22.0023	2-53B-5-0-1439A-H56	53B	01/27/10	CLR	N	N	Ň	VT-09-460	· · · · · · · · · · · · · · · · · · ·
2.F1.22.0025	2-54A-3-0-435B-H25	54A	02/10/10	CLR	N	N ~	N	VT-09-466	· · · · · · · · · · · · · · · · · · ·
2.F1.30.0013	2-03-0-1439B-H54	03	04/28/10	CLR	N	N	N	VT-10-512	· · · · · · · · · · · · · · · · · · ·
2.F1.30.0014	2-03A-1-0-1401B-SR8	03 <u>A</u>	04/27/10	CLR	N .	N	N	VT-10-514	
2.F1.30.0020	2-03A-0-1400A-MDH-1101	03A	03/01/10	CLR	N	N	N	VT-10-471	
2.F1.30.0035	2-14B-0-437B-JEJ-1705	14B	05/13/10	CLR	· N	N	N	VT-10-547	
02.F1.31.0002	2-03A-1-0-1401A-SR28	03A	04/27/10	CLR	N	Ν	N	VT-10-515	
2.F1.31.0004	2-03A-1-0-1401B-SR4	03A	04/27/10	CLR	N	N	N	VT-10-516	
02.F1.31.0015	2-07A-1400A-H4089	07A	03/01/10	CLR	N	N <sup>,</sup>	N	VT-10-472	
2.F1.31.0025	2-14B-1-0-1439-H13	14B	01/28/10	CLR	N	N	N ,	VT-09-461	
·····									
rinted 7/14/2010	) 2:20:04 PM lck8302 v. 01/01/	08	Generalizet et de versenen d'au	anaan a <sup>an</sup> sala ah salah salah salayan 19.	ender al len lenne vier de S.	DQA Cat	"C"	nadologije fallanime in 1990. vej – konstation in ter	Oconee 2 7/14/2010 2:17:26 PM Page 13 of

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Summary No	Component ID	System	Insp Date	insp Status	Insp Limited	Geo Ref	RFR	Comment	
O2.F1.31.0027	2-57-0-1481A-H4	57	05/08/10	CLR	N	N	N	VT-10-542	
O2.F1.32.0004	2-03-0-1401A-R7	03	05/03/10	CLR	N	N	N	VT-10-531	
O2.F1.32.0014	2-57-0-1480A-NWIZ	57	04/29/10	CLR	N	N	N	VT-10-526	
O2.F1.40.0019	2-RCSR-FTR		03/10/10	CLR	N	N	N	VT-10-474	
O2.F1.40.0027	2-50-RCPM-2B1-SS3		04/29/10	CLR	. <b>N</b>	<u> </u>	<b>N</b> .	VT-10-527	
O2.G1.1.0001	2-RCP-2A1	50	04/28/10	CLR	N	N	N.	UT-10-369	-
O2.G1.1.0005	2-RCP-2A2	. 50	05/16/10	CLR	N	N	N	UT-10-497	
O2.G1.1.0006	2-RCP-2B1	50	05/03/10	CLR	N	N	N	UT-10-376	
O2.G1.1.0007	2-RCP-2B2	50	05/03/10	CLR	N	N	N	UT-10-378	
O2.G12.1.0005	2-PDB2-11	50	05/10/10	CLR ·	N.	N	N	UT-10-464	
O2.G12.2.0001	2-RPV-WR53	50	05/09/10	CLR	Y	N	N	UT-NA Greater than 90 %	
		ŝ				,			coverage was
O2.G12.2.0002	2-RPV-WR53A	50	05/09/10	CLR	Y	Ν	N	UT-NA Greater than 90 %	o coverage was
O2.G12.2.0005	2-PiA1-7	50	04/29/10	CLR	N	N	N	UT-10-370	

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Summary No	Component ID	System	insp Date	insp Status	Insp Limited	Geo Ref	RFR	Comment
D2.G12.2.0006	2-PIA2-7	50	04/30/10	CLR	N	N	Ν	UT-10-400
D2.G12.2.0007	2-PIB1-7	50	05/03/10	CLR	N	Ņ	N	UT-10-390
O2.G12.2.0008	2-P1B2-7	50	05/01/10	REC	Ň	N	N	UT-10-385
								Indication # 1 is a subsurface flaw that is acceptable per IWB-3514-2.
D2.G12.2.0009	2-PDA1-2	50	04/30/10	CLR	Ň	N	N	UT-10-371
02.G12.2.0010	2-PDA2-2	, <b>50</b>	05/02/10	REC	Ň	Ν·	N	UT-10-382
						7		Indication # 1 is a subsurface flaw that is acceptable per IWB-3514-2.
D2.G12.2.0011	2-PDB1-2	50	05/03/10	CLR	N	N	N	UT-10-395
D2.G12.2.0012	2-PDB2-2	50	05/03/10	CLR	N	N	N	UT-10-393
D2.G14.1.0001	2-PZR-THERM	50	04/27/10	CLR	N	N	·N	VT-10-506
D2.G16.1.0001	2-50-7-8	50	05/03/10	CLR	N	N	N	UT-10-379
D2.G16.1.0002	2-50-7-9	50	05/03/10	CLR	N	N	N	UT-10-380
O2.G16.1.0003	2-50-7-ELBOW	50	05/03/10	CLR	N	N	N	UT-10-381
D2.G2.1.0001	2-PDB1-46	50	05/07/10				N	UT-10-411
D2.G2.1.0002	2-PDA2-46	50	05/04/10		N		N	UT-10-388

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Summary No	Component ID	System	Insp Date	insp Status	Insp Limited	Geo Ref	RFR	Comment		•
D2.G2.1.0003	2-PDA1-46	50	05/04/10	CLR	N	N	Ν	UT-10-389		
D2.G2.1.0004	2-PDB2-46	50	05/07/10	CLR	N	N	N	UT-10-412		
)2.G2.1.0005	2-PDA1-11	50	05/10/10	CLR	N	N	N	UT-10-456		
)2.G2.1.0006	2-PDA2-11	50	05/10/10	CLR	. N <sup>.</sup>	N	N	UT-10-458	······································	
)2.G2.1.0007	2-PDB2-11	50	05/10/10	CLR	N	N	N	UT-10-462		
D2.G2.1.0008	2-PDB1-11	50	05/10/10	CLR	N	N	·N	UT-10-460		
)2.G2.1.0009	2-PDB1-47	50	05/10/10	CLR	N	N	N	UT-10-461		
02.G2.1.0010	2-PDB2-47	50	05/10/10	CLR	N		N	UT-10-463		
2.G2.1.0011	2-PDA1-47	50	05/10/10	CLR	Ν	N	N			
92.G2.1.0012	2-PDA2-47	50	05/10/10	CLR	N	N	N	UT-10-459		
)2.G2.1.0013	2RC-204-37	50	05/06/10	CLR	N	N	N	UT-10-401	~	
)2.G2.1.0014	2RC-202-17	<b>50</b>	05/09/10	CLR	N	N	N	UT-10-432		
2.G2.1.0015	2RC-203-32	50	05/06/10	CLR	. N	N	N	UT-10-402		
2.G2.1.0016	2RC-205-1	. 50		CLR	N	N	N	UT-10-433		١

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Summary No	Component ID	System	Insp Date	insp Status	Insp Limited	Geo Ref	RFR	comment			
D2.G2.1.0017	2RC-203-3	50	05/06/10	CLR	N	N	Ν	UT-10-403			
D2.G2.1.0018	2RC-202-19		05/09/10	CLR	Ň	N	N	UT-10-435			
)2.G2.1.0019	2RC-204-20	50	05/06/10	CLR	N	N	N	UT-10-470	······	•	
02.G2.1.0020	2RC-205-3		05/09/10	CLR	N	N	<b>N</b>	UT-10-434			
)2.G2.1.0021		50	05/05/10	CLR	N	N	<b>N</b>	RT-NA	,		
02.G2.1.0022	2B1 THERM-SLEEVE	50	05/06/10	CLR	Ň	N	N	RT-NA			
)2.G2.1.0023	2A1 THERM-SLEEVE	50	05/04/10	CLR	N	N	N	RT-NA			
02.G2.1.0024	2B2 THERM-SLEEVE	50	05/07/10	CLR	N	. <b>N</b>	N	RT-NA			· · · · · · ·
)2.G4.1.0001	2RC-202-17	51A	05/09/10	CLR	N	N	N	UT-10-426	• 、		
02.G4.1.0002	2RC-202-19	51A	05/09/10	CLR	N	N	N	UT-10-427 -			
02.G4.1.0003	2RC-205-1	51A	05/09/10	CLR	Ň	N	N	UT-10-428		•	· · · · · ·
)2.G4.1.0004	2RC-205-3	51A	05/09/10	CLR	N	Ņ	N	UT-10-430			
)2.G4.1.0005	2HP-218-18	51A	05/12/10	CLR	. N	N	N	UT-10-469		······	· · · · · · · · · · · · · · · · · · ·
)2.G4.1.0006	2HP-214-13	51A	05/10/10	CLR	N	N	N	UT-10-442			
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Summary No	Component ID	System	insp Date	insp Status	Insp Limited	Geo Ref	RFR	Comment	
O2.G4.1.0007	2HP-214-15	51A	05/10/10	CLR	N	N	Ν	UT-10-440	
O2.G4.1.0008	2RC-202-4	51A	05/07/10	CLR	Ň	N	N	RT-NA	
• •		51A	05/09/10	CLR	Ν	N	N	UT-10-429	
O2.G4.1.0009	2RC-203-4	51A	05/04/10	CLR	· Y	N	N	RT-NA	•
								Greater than 90% coverage.	
-		51A	05/06/10	CLR	N	N	Ν	UT-10-404	
O2.G4.1.0010	2RC-204-4	51A	05/05/10	CLR	N	N	N	RT-NA	· · · · · · · · · · · · · · · · · · ·
		51A	05/06/10	CLR	Ν	<b>N</b>	N	UT-10-405	
O2.G4.1.0011	2RC-205-4	51A	05/06/10	CLR	N	N	N	RT-NA	
		51A	05/09/10	CLR	N	N	N	UT-10-431	
O2.G4.1.0012	2HP-214-14	51A	05/10/10	CLR	N	N	N	UT-10-441	
O2.G4.1.0013	2HP-216-7	51A	05/11/10	CLR	N	N	N	UT-10-455	
O2.G4.1.0014	2HP-216-8	51A	05/11/10	CLR	N	N	N	UT-10-454	
O2.G4.1.0015	2HP-216-9	51A	05/11/10	CLR	N	N	N	UT-10-453	
O2.G4.1.0016	2HP-217-10	51A	05/10/10	CLR	N	N	Ň	UT-10-424	
O2.G4.1.0017	2HP-217-11	51A	05/10/10	CLR	N	N	N	UT-10-425	
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Summary No	Component ID	System	insp Date	insp Status	Insp Limited	Geo Ref	RFR	Comment
D2.G4.1.0018	2HP-217-12	51A	05/10/10	CLR	N	N	N	UT-10-423
02.G4.1.0019	2HP-218-20	51A	05/12/10	CLR	N	N	N	UT-10-406
)2.G4.1.0020	2HP-218-21	51A	05/12/10	CLR	N	N	N	UT-10-468
)2.G4.1.0021	2HP-218-22	51A	05/12/10	CLR	N	N	N	UT-10-467
2.G4.1.0022	2RC-203-32	50	05/06/10	CLR	N	N	N	UT-10-407
92.G4.1.0023	2RC-203-3	50	05/06/10	CLR	N	 N	N	UT-10-408
2.G4.1.0024	2RC-204-37	50	05/06/10	CLR	N	N	N	UT-10-409
2.G4.1.0025	2RC-204-20	50	05/06/10	CLR	N	N	N	UT-10-410
2.H3.1.0007	2-03-18-25	03	05/15/10		·			UT-NA -
								Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
2.H3.1.0008	2-03-18-25G	03	05/15/10					UT-NA
			· .					Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
2.H3.1.0009	2-03-18-43A	03	05/13/10				• • •	UT-NA
								Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
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ummary No	Component ID	System	insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
2.H3.1.0010	2-FWD60-A	03	05/13/10					UT-NA
					·			Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
						• •,••		
2.H3.1.0011	2-03-18-43AA	03	05/13/10				-	UT-NA
								Thickness readings were taken on a grid per NDE-946 and forwarded to Oconee Engineering.
2.H4.1.0002	2-03-0-1439B-H54	03	04/28/10	CLR		N	N	VT-10-513
2.H4.1.0008	2-03-0-1401A-R7	03	05/13/10	CLR		N	N	MT-10-102
	,	03	05/03/10	CLR	N	N	N	VT-10-532
.H4.1.0032	2-01A-0-1401B-R6	01A	05/13/10	CLR	N	N	 N	MT-10-101
		01A	04/27/10	CLR	N	N	N	VT-10-518
.H4.1.0033	2-01A-0-1401B-H10	01A	04/26/10	REC	N	. N	N	VT-10-521
								The discrepancies that were found were reviewed by civil engineering and the support was determined to be acceptable for service.
.H4.1.0034	2-01A-0-1401B-R15	01A	04/26/10	REC	N	N	N	VT-10-519
	с						-	The discrepancies that were found were reviewed by civil engineering and the support was determined to be acceptable for service. Work Order # 01007912 was written to correct problems.
2.H4.1.0035	2-01A-OM-200-30-MS-1	01A	04/26/10	CLR	N	N	N	VT-10-517
2.H4.1.0036	2-01A-OM-200-30-MS-2	01A	04/26/10	CLR	N		,	VT-10-522
	· · · · · · · · · · · · · · · · · · ·							
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					FOR INF		N ONLY	
Summary No	Component ID	System	Insp Date	insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.H4.1.0037	2-01A-0-1441-H16	01A	05/11/10	REC	Ν	Ν	N	VT-10-546
	•							The discrepancies that were found were reviewed by civil engineering and the support was determined to be acceptable for service.
O2.H4.1.0038	2-01A-0-1441-R9-1	01A	04/30/10	CLR	N	N	N	MT-10-095
		01A	05/04/10	REC	N	N	N	VT-10-535
								The discrepancies that were found were reviewed by civil engineering and the support was determined to be acceptable for service. Work Order # 01007908 was written to correct problems.
O2.H4.1.0039	2-01A-0-1441-H17	01A	05/04/10	CLR	N	N	N	VT-10-537
O2.H4.1.0040	2-01A-0-1401B-H18		04/26/10	CLR	N .	N	N	VT-10-520
O2.H4.1.0050	2-01A-0-1441-R9-2	01A	04/30/10	CLR	N	N	N	MT-10-096
		01A	04/29/10	CLR	N	N	N	VT-10-523
O2.H4.1.0051	2-01A-0-1441-R9-3	01A	05/13/10	CLR	Ν	N	N	MT-10-103
		01A	04/29/10	CLR	Ν	N	N	VT-10-524
O2.H4.1.0052	2-01A-0-1441-R9-4	01A	05/13/10	CLR	N	N	N	MT-10-104
		01A	04/29/10	CLR	N	N	N	VT-10-525
O2.H5.1.0001	2-01A-0-1441-H1	01A	05/09/10	CLR	N	N	N	MT-10-099
O2.H5.1.0002	2-MS9A-A	01A	.05/12/10	CLR	N	N		UT-10-475

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

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#### 5.0 Owner's Report for Repair and Replacement Activities

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

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

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

#### 5.1 Class 1 and 2 Preservice Examinations

As required by the applicable code, Preservice Inspection (PSI) Examinations were performed on ISI Class 1 and Class 2 items during this report period. PSI Examination data for items listed below is on file in the Oconee Nuclear Station QA Vault.

Work Order 1869317 was written to apply weld overlay on a Class 1 drain nozzle to safe-end weld in system 51A. A PSI UT exam was performed on the weld overlay (Weld # 2-51A-0035-136V).

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

EOC 24 Refueling Outage Report Oconee Unit 2 Section 5 Page 1 of 1 Revision 0 July 14, 2010

_					1		Work Order Num	ber	Sheet	
							17802	230	1 0	f 3
Γ	. Owner			2. Pla	ant		- 0-0		Unit	
	Duke Ener	gy Carolinas, LL	с		Oconee Nu	clea	ar Station		ON	IS - 2
		Church Street			7800 Roche				Date	
	· Charlotte,	NC 28201-1006			Seneca, SC	29	9672			2010
$\mathbf{F}$	3. Work Performed	by					Type Code Symb	ol Stamp	0,0,	
	. WOIN FEITOIMED	, by					. Jee oode ojiilo		plicable	
		rgy Carolinas, LL	.C				Authorization Nu		•=== <u></u>	
		Church Street						Not Ap	plicable	
	Charlotte,	NC 28201-1006					Expiration Date			
┡					·			Not Ap	plicable	
	<ol> <li>Identification of</li> </ol>	System, ASME CI		r Cool	ant System, ASI	ME	Class 1			
	5. Angliachta Cons	transform Consta			10 (0	<b>г</b>	tion No.	A dele e e		ada Casa
	<ul> <li>a) Applicable Cons</li> <li>b) Applicable Editic</li> </ul>		USAS B3				tion, <u>No</u> tion, 2000	_ Addend		Code Case
	c) Applicable Section					_31				
	6. Identification of									
	Name of	Name of	Manufactu	ırer	National		Other	Year	Corrected,	ASME
	Component	Manufacturer	Serial Num	nber	Board No.	1	Identification	Built	Removed,	Code
									or Installed	Stamped (Yes / No)
1	2RC-2	Kerotest	Unknow	'n	Unknown			Unk	Removed	
$\vdash$										
	2RC-2	Flowserve	48BLT	`	2285			2008	Installed	YES
F					~ *			0005		
-	2RC-210	. Velan	062044-	• 1	None			2006	Installed	YES
		Flowsome	00011	7	2429			2000	Installad	
	2RC-211	Flowserve	89BNV	/	2428			2009	Installed	YES
	Piping	DEC	None		None			2010	Corrected	NO
L								2010		
	Support /w		21						D	
	Snubber 50-0-1481A-H1	Grinnell	None		None			Unk.	Removed	NO
-	Support/w					<u> </u>				<u> </u>
	Snubber	DEC	None		None	ŀ		2010	Corrected	NO
	50-0-1481A-H3 Support/w									
	Support/w Snubber	DEC	None		None	ļ		2010	Corrected	NO
Ľ	2-50-0-1481A-H6									
	7. Description of									
	Replaced valve 2F		of RC pipin	g, ins	talled Valve 2R0	2-2	10 and 2RC-21	l, and mo	odified, remov	ed and
	installed support/r	estraints.								
5	8. Test Conducte	d								
1	🗌 Hydrost	atic 🗌 Pneuma	tic 🛛 Nor	ninal C	Operating Pressure		Exempt	Other		
		Pressure	PSI		Test Tem	pera	ature	°F		
Ĺ	••••••••••••••••••••••••••••••••••••••	<del>.</del>	`		·····			-		

_	·				Work Order N	umber	Sheet	
					178	80230	2 0	f 3
1. Owner		2.	Plant				Unit	
5	Energy Carolinas,				ar Station		O	NS - 2
	outh Church Street		7800 Roc		-		Date	
Charlo	tte, NC 28201-10	006	Seneca, S	C 29				/2010
3. Work Perfor	med by		· · · ·		Type Code Sy		p Applicable	
Duke	Energy Carolinas,	LLC			Authorization			
526 So	outh Church Stree	t					Applicable	
Charle	otte, NC 28201-10	006			Expiration Dat		Applicable	
4. Identification	n of System, ASME	Class			I	1401 2		
			oolant System, A	SME	Class 1			
5.						·		
	Construction Code:	USAS B31.7 ilized For R/R Activit			ition, <u>No</u> ition, 2000	Adde	·	Code Case
	ection XI Code Cas					/ 1000		
6. Identification	n of Components		· · · · · · · · · · · · · · · · · · ·				······	······
Name of	Name of	Manufacturer	National		Other	Year	Corrected,	ASME
Component	Manufacturer	Serial Number	Board No.	lde	entification	Built	Removed, or installed	Code Stamped
					·			(Yes / No)
Support/w Snubber								
50-0-1481A-	Grinnell	None	None			Unk.	Removed	NO
H7 Support/w								
Snubber	DEC	None	None			2010	Installed	NO
50-0-1481A- H7		INOLIC	INDIE			2010	mstaneu	
C	и го							
2-50-1481A- <b>J</b> H6688 <del>(New)</del>	DEC	None	None			2010	Corrected	NO
Support	1	· · · · · · · · · · · · · · · · · · ·						
2-50-1481A- H6689 (New)	DEC	None	None			2010	Installed	NO
Snubber		25.07			···			
For H1	Grinnel	35407			<u> </u>	Unk.	Removed	NO
Snubber	Grinnel	33408				Unk.	Removed	NO
for H7	<u> </u>					· ·		
Snubber for H7	Anvil	36430				Unk.	Installed	NO
Snubber for H6689	Anvil	37350			,	Unk.	Installed	NO

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is required by the provisions of the ASME Code Section XI			
		Work Order Number	Sheet
		1780230	3 of 3
9. Remarks (Applicable Manufacturer's Data Reports to b	e attached)		1
<b>O</b> S/R 50-0-1481A-H3, existing Grinnell Snubber Ser. # 1044314 Elet Per UTC 1020450 Rear Predict UTC 1050			Steel UTC 1891638 &
1944314, Flat Bar UTC 1929450, Rear Bracket UTC 1954	4313, 10ad pin 0101	90/439	
❷ S/R 2-50-0-481A-H6, Round Bar UTC 1930814, Plate	UTC 1823969		
● S/R 50-0-481A-H7, Anvil Snubber Ser. # 36430 UTC 1892608, Rear Bracket UTC 1900953, load pin UTC1907	01953111, Clamp UT	FC 1912968, Beam UTC 189	98849, Angle UTC
•			
6			- <u>·</u>
6			<u> </u>
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8		· · ·	
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The second seco			· · · · · · · · · · · · · · · · · · ·
CERTIFI	ICATE OF COMPLIA	NCE	<u> </u>
I certify that the statements made in the report an ASME Code, Section XI.	re correct and that t	this conforms to the requir	ements of the
Type Code Symbol Stamp	Not A	Applicable	

Cert	ificate of Authorization Number	Not Applicable	Expiration Date	Not Applicable
Sign	ed Kenneth Whomm	Engineer	Date 6/23/10	
	Owner or Owner's Designee	, Title		·

CERTIFICAT	TE OF INSERVIC		TION	· · · ·
I, the undersigned, holding a valid commission	issued by the N	lational Bo	pard of Boiler and	Pressure Vessel
Inspectors and the State or Province of Source C	CAROLINA	and	employed by	HSB CT
of Hartford, Connecticut			have inspected th	ne components described
in this Owner's Report during the period	2-6-08	to	6-29-10	, and state that
to the best of my knowledge and belief, the O described in this Owner's Report in accordance with By signing this certificate neither the Inspec concerning the examinations and corrective mea Inspector nor his employer shall be liable in any kind arising from or connected with this inspection.	th the requirem stor nor his en sures describe manner for any	ents of the nployer m d in this	ASME Code, Sec akes any warran Owner's Report	ction XI. ty, expressed or implied, Furthermore, neither the
Inspector's Signature	Commissions			ovince, and Endorsements
Date <u>6-29-70</u>				

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As required by the provisions of	of the ASME Code Sectio	n XI			rder Num )18385	nebe 186 - 01	Sheet	Page 1 of 2
1. Owner Duke Energy Carol		2. Plant Ocone	e Nuclear Stat	tion			Unit 2	:
526 South Church			Rochester Hwy					3/2010
Charlotte, NC 2820	01-1006	Seneo	a, SC 29672-0	)752				
3. Work Performed By					Туре Сос	de Symbol	Stamp Not Appl	icable
Duke Energy Carol 526 South Church				Ì	Authoria	zation Num	iber Not Appl	icablo
Charlotte, NC 2820	s.			ł	Expirati	ion Date	Not Appl Not Appl	
4. Identification of Systems, ASME C	lass	Reactor Coolant	t, ASME Cla	ass 1				
5. (a) Applicable Construction Cod USA (b) Applicable Edition Section XI Utiliza (c) Applicable Section XI Codes Cases	ed For R/R Activity 1998; Edi	tion, <u>No</u> Addenda <u>N</u> tion, <u>2000</u> Addenda	lo Code Case					
6. Identification of Coimponents								
Name of Component	Manufacturer:	Manufacturer Serial Number	National Board No	Othe identific		Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
1) 50-0-1479A-H2A, Config. E reservoir.	3 Grinnell	N/Ą	UNK	N/A		UNK	Removed	No + :
50-0-1479A-H2A, Config. A reservoir.	Anvil	36558	UNK	UTC 1832940	0	UNK	Installed	No
	······································	۲۵۰۰ میں	A	1	1		· · · ·	• · · ·
	<b>*</b> *	(すだ))	· J					х
ļ								
•								
7. Description of Work REBUILD HYDRAULIC S	NUBBER							
8. Test Conducted			)					
Hydrostatic		ominal Operating Pre		Excempt		Other		
Pressure	PSI	· · · · · · · · · · · · · · · · · · ·		Test Te	mperat	ture	Deg	. F

required by the provisions of the ASME Code Section XI	<b>1</b>			
· · · · · · · · · · · · · · · · · · ·	Work Order Numb		Sheet	
	0183858	5 - 01	Page	2 of 2
Remarks (Applicable Manufactuerr's Data Reports to be attached)			, <u> </u>	
Rebuilt snubber due to leaking seals.				
,				
· · ·				
CERTIFICATION OF CO	OMPLIANCE			
I certify that the statements made in the report are correct and that this cor	nforms to the requirements	of the		
ASME Code, Section XI				
	pplicable			
Certificate of Autherization Number Not Applicable	Expiration Date	Not App	licable	
Signed limit the Sr Eng	Date 5/13/1	0		
Owner or Owner's Designee, Title		:	· · · · · · · · · · · · · · · · · · ·	
CERTIFICATION OF INSERV	/ICE INSPECTION			
I, the undersigned, holding a valid commission issued by the National Boa	rd of Boiler and Pressure V	'essel		1
		<u>3 CT</u>	· .	-13
	e inspected the componen			¢
in the Owner's Report during the period $8-11-2009$ to			that	
<ul> <li>to the best of my knowledge and belief, the Owner has performed examinating described in this Owner's Report in accordance with the requirements of the</li> </ul>		easures		4.
By signing this certificate neither the inspector nor his employer make any	warrenty expressed or im	olied		
concerning the examinations and corrective measures described in this Own	ier's Report. Furthermore, i	neither the		
inspector nor his employer shall be liable in any manner for any personal inju any kind rising from or connected with this inspection.	iry or property damage or a	a loss of		
O'LO LLO MA				
h Tansol m. Responder Commission(s) FL. 218 A, B.	J. N. N.S. IS Board, State, Province, and Endorse			
Inspector's Signature National B	loard, State, Province, and Endorse	ments		
Date JULY 8, 2010				

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As required by	the provisions of the AS	ME Code Section	XI			nder Nur 018385	nbe 586 ~ 02	Sheet	Page 1 of 2
526	ke Energy Carolinas, LLC 5 South Church Street arlotte, NC 28201-1006		7800 F	e Nuclear Stat Rochester Hwy a, SC 29672-0				Unit 2 Date 5/1	3/2010
3. Work Perform	ed By					Type Co	de Symbol	Stamp Not Appl	icable
	ke Energy Carolinas, LLC	;				Author	ization Num	ber	
	6 South Church Street arlotte, NC 28201-1006					Expirat	ion Date	Not Appl Not Appl	· · · · · · · · · · · · · · · · · · ·
4. Identification	of Systems, ASME Class		Reactor Coolant	, ASME Cla	iss 1				
(b) Applicable Ed	onstruction Cod <u>USAS B31.1</u> lition Section XI Utilized For R/R A rction XI Codes Cases(s)	1967: Editi Activity 1998: Editi None		o Code Case					
6. Identification of	Coimponents								
Nam	e of Component	Manufacturer:	Manufacturer Serial Number	National Board No	Othe identific		Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
1) 50-0-1481/ Block	A-H3, Reservoir Valve	Grinnell	36971	UNK t.	Ņ/A		UNK	Removed	No
50-0-1481A-H	13, Cylinder seals	Anvil	N/A	UNK	UTC 183099	12	UNK	Installed	No
50-0-1481A-l kit	H3, Config. A Cylinder	Anvil	36554	UNK	UTC 183294	10	UNK 6 %	installed	No
7. Description of 1 REBUILI	₩ork D HYDRAULIC SNUBBE!	۲	-						
8. Test Conducte						_			
Hydr	ostatic Pnuem Pressure	atic 🗌 No PSI	minal Operating Pre	essure 🗌 I	Excempt Test Te		✓ Othen ture	er <u>Visual</u> Deg	.F

ired by the provisions of the ASME Code Section XI		Work Order Numbe Sheet		
required by the provisions of the ASME Code Section XI		Work Order Numbe		
		01838586 -	02	Page 2 of 2
Remarks (Applicable Manufactuer's Data Reports to be attached)				
Replaced Reservoir Valve Block with Config. A Cylinder kit and cylinder s	seals.	04-4		
· · ·				
		<u></u>		
CERTIFICATION O				
I certify that the statements made in the report are correct and that th ASME Code, Section XI	nis conforms to the r	equirements of th	e	
	Not Applicable		•	
Certificate of Autherization Number Not Applicable	Expiratio	n Date	Not Applicable	
Signed Amelly U.A., Sr Eng	Date	5/13/10		<u></u>
Owner or Owner's Designee, Title		· · ·		
CERTIFICATION OF INS		ECTION		- Angeler - Ange
I, the undersigned, holding a valid commission issued by the Nationa				
Inspectors and State or province of FLORIDA. and of Hartford Connecticut	d employed by	HSB CT		,
in the Owner's Report during the period 8-11- 2009	to 7-8-2010	, ar	d state that	
to the best of my knowledge and belief, the Owner has performed exan described in this Owner's Report in accordance with the requirements of	minations and taken	corrective measu	Ires	
By signing this certificate neither the inspector nor his employer make concerning the examinations and corrective measures described in this inspector nor his employer shall be liable in any manner for any person any kind rising from or connected with this inspection.	s Owner's Report. Fu	urthermore, neith	er the	· .
	<u> </u>			
Date JULY 8 2010				

As required by the provisio								the second s
	ns of the AS	vi⊨ Code Section	XI		Work Order N 01838	imbe 3586 - 22	Sheet	Page 1 of 2
1. Owner Duke Energy Ca	arolinas, LLC		2. Plant Ocone	e Nuclear Stati	ion		Unit 2	
526 South Chur	ch Street		7800 F	Rochester Hwy				0/0040
Charlotte, NC 2	28201-1006		Senec	a, SC 29672-0	752		Date 5/1	3/2010
3. Work Performed By		X			Туре (	ode Symbol	Stamp Not Appl	cable
Duke Energy Ca 526 South Chur					Autho	rization Num	Not Appl	cable
Charlotte, NC 2	28201-1006				Expir	ation Date	Not Appi	cable
4. Identification of Systems, ASM	ME Class	Lov	v Pressure Injection	, ASME Cla	ISS 1		x	
<ul> <li>5.</li> <li>(a) Applicable Construction Cod</li> <li>(b) Applicable Edition Section XI I</li> <li>(c) Applicable Section XI Codes C</li> </ul>	Utilized For R/R A	1967: Editi Activity 1998: Editi <u>None</u>		o Code Case				
5. Identification of Coimponents								
Name of Comport	ient	Manufacturer:	Manufacturer Serial Number 💡	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
1) 53-0-1478A-H3, 2 1/2 x Hydraulic Snubber	< 5	Grinnell	35060	UNK	N/A	UNK	Removed	No :
	Hudroulie	Anvil	36548	UNK	UTC 1956422	UNK	Installed	No
53-0-1478A-H3, 2 1/2 x 5 Snubber	, .		an di periodia di periodia nella di periodia di periodi nella di periodia di periodi	aja e Marina di B				1
	-			an a		<u> </u>	1	1
	-			All and All an	, A 		<u>1</u>	<b>I</b>
		R		All and All an	. 4		<u>1</u>	<u></u>
Snubber 7. Description of Work REPLACE HYDRAU		R		All and All an	. A		1	I
Snubber 7. Description of Work REPLACE HYDRAU 8. Test Conducted	LIC SNUBBE		10 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -					I
Snubber 7. Description of Work REPLACE HYDRAU	LIC SNUBBE				Excempt Test Tempe	✓ Other rature	er <u>Visual</u> Deg	F

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s required by the provisions of the ASME Code Section XI						
		Work Order Nur	mbe Sheet			
		018385	586 - 22	Page 2 of		
Remarks (Applicable Manufactuerr's Data Reports to be a	ittached)					
Replaced snubber due to leaking seals.	· · · · · · · · · · · · · · · · · · ·					
<u></u>						
	•					
				·····		
	CERTIFICATION OF	COMPLIANCE	>			
I certify that the statements made in the m ASME Code, Section XI	eport are correct and that this	conforms to the requiremen	its of the			
Type Code Symbol Stamp	No	t Applicable				
Certificate of Autherization Number	Not Applicable	Expiration Date	Not Applicable			
Signed Mind Srl	The second se	Date 5/13	10			
Owner or O	wner's Designee, Title					
CERI	IFICATION OF INSE		, N			
I, the undersigned, holding a valid commi						
Inspectors and State or province of F20	ziDA and e	moloved by H	SB CT			
of Hartford, Conner	<u>cticut</u> i	ave inspected the compone	ents described			
in the Owner's Report during the period	8-11-2009 to	7-8-2010	. , and state that			
to the best of my knowledge and belief, the described in this Owner's Report in accorda						
By signing this certificate neither the insp concerning the examinations and corrective inspector nor his employer shall be liable in any kind rising from or connected with this i	measures described in this O any manner for any personal	wner's Report. Furthermore	e, neither the			
any rand riving from of contracted with this t						
A land on the second alla	nision(s) FZ 218 A,	N. I. R. NS. 15 al Board, State, Province, and Endor	, ,			
inspector's Signature	Nation	al Board, State, Province, and Endor	rsements			
Date July 8, 2010						

<b>\</b>				wor	k Order Num	nber	Sheet	
<b>-</b>					1845	5096	1 ot	f 2
526 South	rgy Carolinas, LL Church Street NC 28201-1006		ant Oconee Nu 7800 Roche Seneca, SC	ester Hw			Date	IS - 2 /2010
3. Work Performed	1 by			Туре	e Code Syml			
526 South	ergy Carolinas, LL h Church Street				norization N	umber	oplicable	· ·
Charlotte	, NC 28201-1006	·		Expi	iration Date	Not Ap	oplicable	
4. Identification of	System, ASME Cl		Coolant, ASME	Class 1				
<ul> <li>5.</li> <li>(a) Applicable Cons</li> <li>(b) Applicable Edition</li> <li>(c) Applicable Section</li> <li>6. Identification of</li> </ul>	on Section XI Utilize ion XI Code Case(s)	•		Edition, Edition,	<u>No</u> 2000	Addend		Code Case
6. Identification of Name of Component	f Components Name of Manufacturer	Manufacturer Serial Number	National Board No.		Other ification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2-50-1479E- H6707 ; Hanger	D.E.C.	NONE	NONE	N	ONE	1973	Corrected	NO
					· 3			· .
						÷ •		
7. Description of Replaced bent/dat	Work maged rod on sup	port.		- <b>4</b>				
8. Test Conducte			Operating Pressure Test Tem	_	Exempt	Other °F		

	Work Order Number	Sheet
	1845096	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)	· · · · · · · · · · · · · · · · · · ·	
<b>1</b> 3/8" Diam. Round Bar, Carbon Steel, ASTM A36, UTC # 01892605; M HT	502193	
0		
6		
0		
Θ	·	
<u>6</u>		
0	-	
8		
9	· · · ·	
<b>(</b> )		
CERTIFICATE OF COMPLIA	NCE	
I certify that the statements made in the report are correct and that ASME Code, Section XI.	this conforms to the requirem	ents of the
Type Code Symbol Stamp Not A	Applicable	
Certificate of Authorization NumberNot Applicable	Expiration Date Not	Applicable
Signed <u>Juliu Andrea</u> Zachary Ashcraft/Engineer Owner or Owner's Designee, Title	Date7/13/20	10
	SPECTION	,
L the undersigned, holding a valid commission issued by the Nation	al Board of Boiler and Press	ire Vessel

,'

**.** .

. .

<ol> <li>I, the undersigned, holding a vali</li> </ol>	d commission issued by the Na	ational Board of Boiler and Pr	essure Vessel
Inspectors and the State or Province	of FLORIDA	and employed by	HSB CT
	d, Connecticut		components described
in this Owner's Report during the per	riod5-10-2010	to 7-14-2010	, and state that
to the best of my knowledge and	belief, the Owner has perfor	med examinations and take	en corrective measures
described in this Owner's Report in a	accordance with the requirement	nts of the ASME Code, Section	on XI.
By signing this certificate neith			
concerning the examinations and c	corrective measures described	in this Owner's Report. F	urthermore, neither the
Inspector nor his employer shall be	liable in any manner for any	personal injury or property d	amage or a loss of any
kind arising from or connected with t	his inspection.	<b>1 1 1 1 1 1</b>	
Daired <u>m. Purprolet</u> Inspector's Signature		FL 218 A. N. I. B. NS National Board, State, Provin	, 15
Inspector solgnature		National Board, State, Provi	nce, and Endorsements
Date July 14, 2010			

		. ·		Work Order Nun	nber	Sheet	
				018559	940-01	1 o	f 2
1. Owner		2. Pl	ant		· · ·	Unit	
	rgy Carolinas, LL Church Street	с	Oconee Nuc 7800 Roche				NS - 2
	NC 28201-1006		Seneca, SC	-		Date 5/17	/2010
3. Work Performed	i by			Type Code Sym		plicable	
	rgy Carolinas, LI Church Street	.C		Authorization N	umber	plicable	
	NC 28201-1006			Expiration Date		plicable	
4. Identification of	System, ASME CI		Coolent ASME (				<u> </u>
		Reactor	Coolant, ASME (		<u> </u>		
<ol> <li>Applicable Cons</li> <li>Applicable Edition</li> <li>Applicable Edition</li> <li>Applicable Section</li> <li>Identification of</li> </ol>	on Section XI Utilize on XI Code Case(s	-		Edition, <u>No</u> Edition, <u>2000</u>	Addend Addend		Code Case
Name of	Name of	Manufacturer	National	Other	Year	Corrected,	ASME
Component	Manufacturer	Serial Number	Board No.	Identification	Built	Removed, or Installed	Code Stamped (Yes / No
Spare Pressurizer Code Safety valve	Dresser	BL-08895	n/a	none	1971	Corrected	YES
					· .		
	· · ·						
					+	``````````````````````````````````````	
	· · · · · · · · · · · · · · · · · · ·						
7. Description of Installed replacem		umber ADW-52 f	rom stock.			<b></b>	<u> </u>
8. Test Conducte				F			
Hydrost	atic Pneuma Pressure		Operating Pressure Test Temp		Other °F	Set Pressure &	leak
						Page 4	of 8

	Work Order Number	Sheet
	01855940-01	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
Disc serial number ADW-52.		
• NOTE: For traceability, Valve serial number BL-08895 was installed on wo	ork order: 01880753-06.	
<b>0</b>		
•		
<b>6</b>		
0		
<u> </u>		
0		
<b>3</b>		
<b>9</b>	· .	
0		
CERTIFICATE OF COMPLIA		remente of the
I certify that the statements made in the report are correct and that ASME Code, Section XI.	this comorths to the requi	ements of the
Type Code Symbol Stamp Not A	Applicable	
Certificate of Authorization Number , Not Applicable	Expiration Date N	Not Applicable
Signed Signed Sr. Engineer	Date 7-8-	
Owner or Owner's Designee, Title		
CERTIFICATE OF INSERVICE IN	SPECTION	
I, the undersigned, holding a valid commission issued by the Nation		
Inspectors and the State or Province of <u>FLORIDA</u> of Hartford, Connecticut	and employed by	HSB CT components described
	to 7-12-2010	, and state that
to the best of my knowledge and belief, the Owner has performe	d examinations and take	n corrective measures
described in this Owner's Report in accordance with the requirements	of the ASME Code, Sectio	in XI.
By signing this certificate neither the Inspector nor his employ	er makes any warranty,	expressed or implied,
concerning the examinations and corrective measures described in Inspector nor his employer shall be liable in any manner for any personal statements of the second second second	inis Owner's Report. Fi	unnermore, neither the
kind arising from or connected with this inspection.	sonal injury of property da	anage of a loss of ally
Klaud m. Keynalds Commissions FL.	21 <u>B</u> A N I B NS National Board, Stafe, Provin	15
Inspector's Signature	National Board, State, Provin	ice, and Endorsements
Date July 12, 2010		

Page 5 of 8

	· · · · ·			Work Order N	lumber	Sheet	
,				0185	6049-01	1 of	f 2
1. Owner	<u>.</u>	2. Pla	ant			Unit	
Duke Energy Carolinas, LLC   Oconee Nuclear Station     526 Section   7800 Development Users			Date	IS - 0 8-10			
3. Work Performed	1 by		······································	Type Code Sy			
	ergy Carolinas, LL	C			Not Ap	oplicable	
526 South	h Church Street			Authorization	Not Ap	plicable	
Charloue		, 		Expiration Da		oplicable	
4. Identification of	System, ASME CI		Coolant, ASME (	Class 1			
<ul> <li>5.</li> <li>(a) Applicable Cons</li> <li>(b) Applicable Edition</li> <li>(c) Applicable Section</li> </ul>	on Section XI Utilize ion XI Code Case(s			Edition, <u>No</u> Edition, <u>200</u>		·	Code Case
6. Identification of			· ·				
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
PORV, RC-66 Spare	Dresser	BY-93617	none	none	2004	Corrected	YES
			4				
			i.				
		1 47					-
7. Description of Replaced pilot dis	sc assembly, seria	l number ADZ06.					
8. Test Conducte			Operating Pressure Test Temp	Exempt	Other °F	Set pressure tes	<u>it</u>

4077

	Work Order Number	Sheet
	01856049-01	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)	······································	
• Pilot disc assembly, serial number ADZ06		
<u>0</u>		
6		
•		
6		
<u>6</u>		
0		
<u>0</u>		
9		
0		
CERTIFICATE OF COMPLIA		
I certify that the statements made in the report are correct and that ASME Code, Section XI.	this conforms to the requiren	nents of the
Type Code Symbol Stamp Not A	Applicable	
Certificate of Authorization Number Not Applicable	Expiration Date Not	Applicable
Signed Sr. Engineer Sr. Engineer	Date5/18/20	)10
CERTIFICATE OF INSERVICE INS	SPECTION	<u>,</u>

		Lonon	
I, the undersigned, holding a valid commission issue	ed by the Nationa	I Board of Boiler and	Pressure Vessel
Inspectors and the State or Province of Source Cococ	INA a	nd employed by	HSB CT
of Hartford, Connecticut		have inspected th	e components described
in this Owner's Report during the period //-2-		5-26-10	,
to the best of my knowledge and belief, the Owner described in this Owner's Report in accordance with the By signing this certificate neither the Inspector in concerning the examinations and corrective measure Inspector nor his employer shall be liable in any many kind arising from or connected with this inspection.	e requirements of nor his employer s described in th	the ASME Code, Sec makes any warran his Owner's Report.	ction XI. ty, expressed or implied, Furthermore, neither the
Inspector's Signature		SZ NIREC IS National Board, State, Pro	wince and Endorsements
5-21-10		ivational Board, State, FIC	
Date	····		

				Work Order Nu	umber	Sheet	
				018	66950	10	f 2
526 Sout	ergy Carolinas, LL h Church Street , NC 28201-1006		Oconee Nu	chester Hwy Date		ON Date	NS - 2 /2010
. Work Performe	d by			Type Code Sy			
526 Sout	ergy Carolinas, Ll h Church Street e, NC 28201-1006			Authorization Expiration Dat	Number Not Aj	oplicable oplicable	
. Identification c	f System, ASME C	ass				oplicable	
		High Pressur	e Injection, AS	ME Class 1			
	ion Section XI Utilize tion XI Code Case(s		19 <u>69</u> 19 <u>98</u>	Edition, <u>No</u> Edition, <u>2000</u>	Addeno	·	Code Ca
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASM Cod Stamp (Yes / I
/alve 2HP-990	Flowserve	76BKE	1983	UTC 1901035, Serial #: 76BKE	2007	Installed	YE
		•					
Description of Cloud Action Clo	led new valves 2H	P-983, -984, -985	, -986, -987, -98	38, -989, and -99(	). Valve 2	HP-990 is ISI .	A. All
. Test Conduct	ed		Dperating Pressure	· · · · · · · · · · · · · · · · · · ·			

re Haart	•	Work Or	der Number	Sheet
			01866950	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports t	o be attached)		·····	
0			<u></u>	
0				
Θ				
<u>0</u>				
6	•			
Ø				
		r		
0			·	
0				
©				
			<u>,</u>	<u> </u>
I certify that the statements made in the report ASME Code, Section XI. Type Code Symbol Stamp		this confo Applicable	rms to the requiren	nents of the
	Applicable	Expiration	Date Not	Applicable
		Date	5/26/10	rippiteable
Owner or Owner's Designee, Title	ineer TIL		5/20/10	
CERTIFIC	TE OF INSERVICE INS	SPECTION	<u>, , , , , , , , , , , , , , , , , , , </u>	
I, the undersigned, holding a valid commission Inspectors and the State or Province of Source of Hartford, Connecticut in this Owner's Report during the period described in this Owner's Report in accordance we By signing this certificate neither the Inspector nor his employer shall be liable in any kind arising from or connected with this inspection	CAROLINA t -25-09 Owner has performed ith the requirements of ctor nor his employ asures described in manner for any pers	and emploid have to <u>6-8</u> d examinat of the ASM er makes this Owne	byed by inspected the con <i>2-10</i> itions and taken of IE Code, Section 2 any warranty, ex er's Report. Furth	HSB CT ponents described , and state that corrective measures (I. pressed or implied, hermore, neither the
Adouth	Commissions SC.	232 11/1	ABC 15	
Inspector's Signature				
1		National E	Board, State, Province.	and Endorsements
Date <u>6-8-10</u>		National E	Board, State, Province.	and Endorsements

```					Work Order Numb	er	Sheet				
	Ŷ		01869317			10	1 of 2				
1. Owner		2. F	Plant				Unit				
Duke Energy Carolinas, LLCOconee Nucl526 South Church Street7800 RochesCharlotte, NC 28201-1006Seneca, SC				Rocheste	-			ONS - 2 Date 6/8/2010			
3. Work Performed by Type Code Symbol Stamp											
					Not Applicable						
Duke Energy Carolinas, LLC 526 South Church Street					Authorization Number Not Applicable						
Charlotte, NC 28201-1006					Expiration Date Not Applicable						
4. Identification of	4. Identification of System, ASME Class										
Reactor Coolant, ASME Class 1											
<ul> <li>5.</li> <li>(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case</li> <li>(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.</li> <li>(c) Applicable Section XI Code Case(s) 2142-2, N-504-3, and N-638-1</li> <li>6. Identification of Components</li> </ul>											
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Othe	r Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)			
Reactor Coolant					·			(***********			
System 2-1/2" Letdown Line:RCS Nozzle to safe-end butt weld	B&₩	None	None	Weld # 2R1B1-11		1974	Corrected	NO			
Reactor Coolant System 2-1/2" Letdown Line: Safe End	B&W	None	None	· OM	1 88 on Dwgs: 1201-1472.001 1201-3415.001	1974	Corrected	NO			
Reactor Coolant System 2-1/2" Letdown Line: Safe-end to pipe elbow butt weld	B&W	None	None	Weld # 2-51A-0035-01- 15A		1974	Corrected	NO			
Reactor Coolant System 2-1/2" Letdown Line: SS pipe elbow	B&W	None	None	None		1974	Corrected	NO			
S/R # 2-59-0- 1478A-H28	DPCo.	None	None	None		UNK	Corrected	NO			
<ul> <li>7. Description of Work</li> <li>A full structural weld is applied over: 1)a portion of the low alloy steel RCS nozzle, 2) the nozzle to safe-end butt weld, the safe-end, 3) the safe-end to piping elbow butt weld, and 4) a portion of a letdown line pipe elbow. S/R also modified.</li> </ul>											
8. Test Conducted          Hydrostatic       Pneumatic       Nominal Operating Pressure       Exempt       Other         Pressure       PSI       Test Temperature       °F											

	Work Order Number	Sheet
	01869317	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
O 2S/R # 2-59-0-1478A-H28, portion of channel removed		
<u>8</u>	· · · · · · · · · · · · · · · · · · ·	
•		
<u> </u>		:
6		
<b>0</b>		· · ·
0		
8		
9		
0		
CERTIFICATE OF COMPLIA	NCE	
I certify that the statements made in the report are correct and that t ASME Code, Section XI.	his conforms to the requireme	nts of the
Type Code Symbol Stamp Not A	pplicable	
Certificate of Authorization Number Not Applicable	Expiration Date Not A	pplicable
	Date $\frac{6}{8}$	
Owner or Owner's Designee, Title	Date $\frac{\varphi}{\delta}$	
·		
CERTIFICATE OF INSERVICE INS	PECTION	· · · · · · · · · · · · · · · · · · ·
I, the undersigned, holding a valid commission issued by the Nation		e Vessel
Inspectors and the State or Province of South CAROLINA	and employed byF	ISB CT
of Hartford, Connecticut in this Owner's Report during the period 5-/3-/0 t	have inspected the comp	
to the best of my knowledge and belief, the Owner has performed	examinations and taken co	_ , and state that
described in this Owner's Report in accordance with the requirements o By signing this certificate neither the Inspector nor his employe	f the ASME Code, Section XI.	
concerning the examinations and corrective measures described in t	his Owner's Report. Further	more neither the
Inspector nor his employer shall be liable in any manner for any perso kind arising from or connected with this inspection.	onal injury or property damag	e or a loss of any
Inspector's Signature		1 D. 1.
··· ··· /	National Board, State, Province, an	u Endorsements
Date 7.1.10		

				Work Order Num		Sheet	5 0
				01875	7102	Unit	<u>ک</u>
Duke Energy Carolinas, LLC     Oconee Nuclear Station       526 South Church Street     7800 Rochester Hwy       Church Street     50, 20072			ON Date	IS - 2 2010			
3. Work Performed	d by			Type Code Symb			
Duke Ene	ergy Carolinas, LL	.C		Authorization Nu		plicable	
	n Church Street , NC 28201-1006					plicable	
Charlotte	, NC 28201-1000			Expiration Date	Not Ap	oplicable	
4. Identification of	System, ASME CI		olant System, ASN	1E Class 1			
<ul> <li>5.</li> <li>(a) Applicable Cons</li> <li>(b) Applicable Edition</li> <li>(c) Applicable Section</li> <li>6. Identification of</li> </ul>	on Section XI Utilize	-		dition, <u>No</u> Edition, <u>2000</u>	_ Addenc	·	Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1) Piping	DEC	None	None	None	2010	Installed	NO
				1		· · ·	
			· ·				
7. Description of	l Work	1					
EC103426 replace pump. Reference			s with an alternate	leak injection fitt	ing on the	e 2A2 reactor o	coolant
8. Test Conducte			l Operating Pressure Test Tempe	Exempt Exempt	Other °F		

As required by the provisions of the ASME Code Section At		
	Work Order Number	Sheet
)	01879162	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
<b>0</b> An alternate leak injection fitting consists of a 1/4" pipe plug UTC	C#0001915059 and 1/8" injection valve	UTC#0000883033
8		
<b>8</b>		
4		
<b>9</b>		
0		
0		:
<b>8</b>	·	
<b>9</b>		
0		
CERTIFICATE OF C	COMPLIANCE	
I certify that the statements made in the report are correct ASME Code, Section XI.	and that this conforms to the require	ements of the
Type Code Symbol Stamp	Not Applicable	
Certificate of Authorization Number Not Applicable	Expiration Date No	ot Applicable
Signed <u>Rick Burgern</u> Rick Burgess, Sr. Technical Spe Owner or Owner's Designee, Title	ecialist Date 6/1/2	010
I, the undersigned, holding a valid commission issued by th Inspectors and the State or Province of <u>FLoRidA</u>	he National Board of Boiler and Pres and employed by	ssure Vessel HSB CT
of Hartford, Connecticut	have inspected the co	
in this Owner's Report during the period 5-15-2010	to 7-14-2010	, and state that
to the best of my knowledge and belief, the Owner has p described in this Owner's Report in accordance with the requir	performed examinations and taken rements of the ASME Code. Section	corrective measures

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

David m. Kurmalas	_ Commissions	FL 218 A, N, I, B, NS, 1S
Inspector's Signature		National Board, State, Province, and Endorsements
Date Jury 14, 2010		

				Work Order Num		Sheet	
		<u> </u>		019033	57-01	1 of	f 2
526 South Church Street 7800 Roche				• • • • • • • • • • • • • • • • • • •			
3. Work Performed	d by	<b>I</b>		Type Code Symt			
526 South	ergy Carolinas, LI h Church Street			Authorization Nu	umber	oplicable oplicable	
Charlotte,	, NC 28201-1006			Expiration Date	Not Ap	oplicable	
4. Identification of	<sup>F</sup> System, ASME CI		ASME Class /				
<ul> <li>5.</li> <li>(a) Applicable Cons</li> <li>(b) Applicable Edition</li> <li>(c) Applicable Section</li> </ul>	on Section XI Utilize ion XI Code Case(s			lition, <u>No</u> lition, <u>2000</u>	Addenc Addenc		Code Case
6. Identification of							
Name of Component	Name of Manufacturer	Manufacturer Serial Numbe	r Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2RC-160	Valcor	Unknown	Unknown	None	1997	Corrected	YES
		· · · · · · · · · · · · · · · · · · ·					
						,	
						-	
						· · ·	
7. Description of Replaced the disc		-160 Valcor Sc	plenoid Valve.			<u>I</u>	1
8. Test Conducte			al Operating Pressure Test Temper	Exempt	Other °F	Visual	

	Work Order Number	Sheet
	01903357-01	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
• Disc assembly, Cat ID 436024, UTC # 0000984929		
<b>B</b> Disc assembly, Cat iD 430024, 01C # 0000984929	·········	
0		
6		<u> </u>
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		· · · · · · · · · · · · · · · · · · ·
<u> </u>		
A.		
<b>0</b>	· · · · · · · · · · · · · · · · · · ·	
0		
0		
Θ		
0		
CERTIFICATE OF COMPLIA	NCE	
I certify that the statements made in the report are correct and that t		ents of the
ASME Code, Section XI.		
Type Code Symbol Stamp Not A	pplicable	
	pplicable	
Certificate of Authorization Number Not Applicable	Expiration Date Not A	Applicable
Signed the M Blycande Senior Jech Specialist	Date 5/12/10	
Owner or Owner's Designee, Title		
	DECTION	
CERTIFICATE OF INSERVICE INS		
I, the undersigned, holding a valid commission issued by the Nation Inspectors and the State or Province of FLORIDA		HSB CT
of Hartford, Connecticut	have inspected the com	
in this Owner's Report during the period 5-12-2010 t	0 7-12-2010	·
to the best of my knowledge and belief, the Owner has performed	examinations and taken co	prrective measures
described in this Owner's Report in accordance with the requirements o	f the ASME Code, Section XI	
By signing this certificate neither the Inspector nor his employe concerning the examinations and corrective measures described in t	er makes any warranty, exp	ressed or implied,
Inspector nor his employer shall be liable in any manner for any perso	onal injury or property damage	ennore, heither the
kind arising from or connected with this inspection.	and any or property damag	ge of a loss of ally
Q.I		
Laud m. Keyneloh Commissions EL	218 A, N, T B, NS, IS National Board, State, Province, a	nd Endorcomants
Date July 12, 2010	ivational Doard, State, Province, a	na Endorsements
Date July 12, 2010		

				Work Order Num	ber	Sheet	
				01915	5262	1 0	f 2 <sup>`</sup>
1. Owner		2. PI	ant	<b>I</b>		Unit	
Duke Ener	rgy Carolinas, LL	с	Oconee Nuc	lear Station		ON	NS - 2
	Church Street		7800 Roche				
Charlotte,	NC 28201-1006		Seneça, SC	29672			2010
3. Work Performed by Type Code Symbol Stamp							
	·					plicable	
	rgy Carolinas, LL Church Street	.C		Authorization Nu		oplicable	
	NC 28201-1006			Expiration Date	Not Ap	рисанс	
					Not Ap	plicable	
4. Identification of	System, ASME CI						7
		Reactor	Coolant, ASME C	Class 1			
5.				~			
<ul><li>(a) Applicable Cons</li><li>(b) Applicable Edition</li></ul>		USAS B31.7		Edition, <u>No</u> Edition, 2000	_ Addenc Addenc		Code Case
(c) Applicable Edition			19 <u></u>			<i>i</i> u.	
6. Identification of						· · · · · · · · · · · · · · · · · · ·	
Name of	Name of	Manufacturer	National	Other	Year	Corrected,	ASME
Component	Manufacturer	Serial Number	Board No.	Identification	Built	Removed,	Code
						or installed	Stamped (Yes / No)
Valve 2RC-213	Flowserve	90BQA	2630	UTC 1957435	2010	Installed	YES
(1) Support 2-57-	222	······································				· · ·	
1481B-H6694	DEC	None	None	None	UNK	Corrected	NO
(2) Support 2-57-	DEC	None	None	None	UNK	Corrected	NO
1481B-H6695		INUIIC	INUITE				
(3) Support 2-57-	DEC	None	None	None	UNK	Corrected	NO
1481B-H6692							
							· · · · · · · · · · · · · · · · · · ·
····	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					
							<u> </u>
						-	
	1						1
7. Description of					<b>ar a</b> -		
EC103030 installe supports 2-57-148					. 2RC-2	.14 is Class B.	Modified
		14010-0092,2	-57-14010-1009				
8. Test Conducte							
Hydrost			Operating Pressure	Exempt	Other _		
	Pressure	PSI	Test Temp	erature	°F		

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

As required by the provisions of the ASME Code Section XI		•
· · (m/)·	Work Order Number	Sheet
	01915262	2 of 2
A Developed a Martin Martin Contained A Developments to be attended)	01710202	
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
• Support 2-57-1481B-H6694, attached 1/4" x 1" x 2-3/4" plate		
❷ Support 2-57-1481B-H6695, replaced 1/4" x 1" x 2-3/4" plate		
Support 2-57-1481B-H6692, attached 1/4" x 1" x 2-3/4" plate		
0		
0		
0	, <u> </u>	
		····
0		
0		
0		
CERTIFICATE OF COMPLI	ANCE	
I certify that the statements made in the report are correct and that ASME Code, Section XI.		nents of the
Type Code Symbol Stamp Not	Applicable	
	• • • • • • • • • • • • • • • • • • • •	
Certificate of Authorization Number Not Applicable	Expiration Date Not	t Applicable
Signed Willin W Jost / Bill Foster, Engineer III	Date 6/1/20	010
Owner or Owner's Designee, Title	·····	·
	<u> </u>	
r		·····
CERTIFICATE OF INSERVICE IN	ISPECTION	
I, the undersigned, holding a valid commission issued by the Natio		
of Hartford, Connecticut	and employed by have inspected the co	HSB CT
	······································	, and state that
to the best of my knowledge and belief, the Owner has performed		
described in this Owner's Report in accordance with the requirements		
By signing this certificate neither the Inspector nor his emplo		
concerning the examinations and corrective measures described in Inspector nor his employer shall be liable in any manner for any per		
kind arising from or connected with this inspection.	toonar injury or property dan	age of a loss of ally

Inspector's Signature Commissions SC232NIRSC 15 National Board, State, Province, and Endorsements Date 6-9-10

				Work Order Nu	mper	Sneet	
·				01922	410-01	1 o	f 2
526 South	Duke Energy Carolinas, LLC     Oconee Nuclear Station       526.0     41.01       7800 Declar Station				Unit ON Date	18 - 2	
3. Work Performed	d by			Type Code Sym		nlicable	
	ergy Carolinas, LL	.C		Authorization N	lumber	oplicable	
	n Church Street , NC 28201-1006			Expiration Date		oplicable	
						oplicable	<u> </u>
4. Identification of	System, ASME CI		Coolant, ASME C	Class 1			
<ol> <li>Applicable Cons</li> <li>Applicable Edition</li> <li>Applicable Section</li> <li>Identification of</li> </ol>	on Section XI Utilize	•		Edition, <u>No</u> Edition, <u>2000</u>	Addenc		Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2RC-156	Valcor	Unknown	Unknown	None	1997	Corrected	YES
				· ·			
				· .			
				·			
7. Description of Replaced the disc		-156 Valcor Solo	enoid Valve during	g seat leak repair			
8. Test Conducte			Operating Pressure Test Temp		Other °F	Visual	

	Work Order Number	Sheet
	01922410-01	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
		****
• Disc assembly, Cat ID - 436024, UTC # 0001958434, SN # VY1		
0		
<u>8</u>	a to de la companya d	
9		
	· · · · · · · · · · · · · · · · · · ·	
6		
<b>0</b>		
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Θ		
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CERTIFICATE OF COMPLIA		anta of the
I certify that the statements made in the report are correct and that t ASME Code, Section XI.	nis conforms to the requireme	ents of the
Type Code Symbol Stamp Not A	pplicable	
Certificate of Authorization Number Not Applicable	Expiration Date Not A	Applicable
Signed John M alexander Series Jech Specialist Owner or Owner's Designee, Title	Date <u>5/15/10</u>	
		· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF INSERVICE INS	PECTION	
I, the undersigned, holding a valid commission issued by the Nation		
Inspectors and the State or Province of <u>FLORIDA</u> of Hartford, Connecticut	and employed by have inspected the comp	HSB CT
	0 <u>7-12-2010</u>	, and state that
to the best of my knowledge and belief, the Owner has performed	l examinations and taken co	prrective measures
described in this Owner's Report in accordance with the requirements o By signing this certificate neither the Inspector nor his employe	of the ASME Code, Section XI er makes any warranty, exp	ressed or implied
concerning the examinations and corrective measures described in the inspector nor his employer shall be liable in any manner for any personal sector nor his employer shall be liable in any manner for any personal sector.	this Owner's Report. Furthe	rmore, neither the

kind arising from or connected with this inspection.

A Tariel m. Key and labo Inspector's Signature

Date JULY 12, 2010

Commissions <u>F1 218 A, N I B, NS, 15</u> National Board, State, Province, and Endorsements

**!**>

				Work Order Num	nber	Sheet		
				01762	2586	1 of	f 2	
1. Owner		2. Pla	ant			Unit		
	ver Company Church Street		Oconee Nu 7800 Roche	clear Station			ONS - 2	
Charlotte, NC 28201-1006 Seneca, SC			•		<b>Date</b> 1/27	/2009		
3. Work Performed	d by			Type Code Sym		plicable		
	ver Company			Authorization N	umber	•		
	n Church Street , NC 28201-1006			Expiration Date	Not Ap	plicable		
					Not Ap	plicable		
4. Identification of	System, ASME CI		D, ASME Class	113				
<ol> <li>(a) Applicable Cons</li> <li>(b) Applicable Edition</li> <li>(c) Applicable Section</li> <li>Identification of</li> </ol>	on Section XI Utilize on XI Code Case(s)	•		Edition, <u>No</u> Edition, <u>2000</u>	Addend Addend	·	、 Code Case	
		·		-				
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)	
1) S/R 2-57- 1480B-H6700	Duke	N/A	N/A	N/A	2008	Corrected	NO	
(2) S/R 2-57- 1480B-H6701	Duke	N/A	N/A	N/A	2008	Corrected	NO	
(3) S/R 2- OD201908-01	Duke	N/A	N/A	N/A	2008	Removed	NO	
(4) S/R 2- OD201908-02	Duke	N/A	N/A	N/A	2008	Removed	NO	
(5) S/R 2- OD201908-03	Duke	N/A	N/A	N/A	2008	Removed	NO	
7. Description of	Work	L		L	L		L	
Pipe Hanger mod		ovals.						
. Test Conducte			Derating Pressure Test Temp		] Other °F		· ·	

is required by the provisions of the ASME Code Section XI		
	Work Order Number	Sheet
	01762586	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
	·····	
● S/R 2-57-1480B-H6700: Removed U-bolt, added (2) angles 1 1/2"x 1 1/2	2" x 1/4"	
S/R 2-57-1480B-H6701: Added flat bar 1/2" x 3/4" x 2 1/2"		
S/R 2-OD201908-01: Removed angle, plate and anchor bolts		
S/R 2-OD201908-02: Removed angle 2 1/2" x 2 1/2" x 1/4"		
S/R 2-OD201908-03: Removed angle 2 1/2" x 2 1/2" x 1/4"		۰
6		
0		
8	. i	
9		
0		
	· · · · · · · · · · · · · · · · · · ·	
CERTIFICATE OF COMPLI	ANCE	
I certify that the statements made in the report are correct and tha ASME Code, Section XI.	t this conforms to the req	uirements of the
Type Code Symbol Stamp Not	Applicable	
Certificate of Authorization Number Not Applicable	Expiration Date	Not Applicable
Signed Chifant ChrisPainter Sr. Eng.	Data Vaslas	

CERTIFI	CATE OF INSERVICE	EINSPECT	ION	
I, the undersigned, holding a valid commiss	ion issued by the N	ational Boa	ard of Boiler and Pr	essure Vessel
Inspectors and the State or Province of Auer			mployed by	HSB CT
of Hartford, Connecti	icut	ł	nave inspected the	components described
in this Owner's Report during the period	6.5-08	to	2-5-09	, and state that
to the best of my knowledge and belief, the described in this Owner's Report in accordance By signing this certificate neither the Ins concerning the examinations and corrective r Inspector nor his employer shall be liable in a kind arising from or connected with this inspect	with the requireme spector nor his emp measures described ny manner for any	nts of the <i>i</i> ployer ma I in this C	ASME Code, Sectic kes any warranty, wner's Report. F	on XI. expressed or implied, urthermore, neither the
Inspector's Signature	Commissions _	Natio	MUIRBC mal Board, State, Provin	nce, and Endorsements
Date <u>2-5-0</u> プ				

				W	ork Order Nun	nber	Sheet	
					1779	9633	1	of 2
. Owner	······	2	. Plant				Unit	·····
<b>ر</b> ۲	er Company		Oconee N	uclear	Station		O	NS - 2
	Church Street		7800 Rocl		•		Date	
Charlotte,	NC 28201-1006		Seneca, S	C 296	12		12/3	8/2008
3. Work Performed	l by			Т	ype Code Sym		plicable	
	ver Company			A	uthorization N			
	Church Street NC 28201-1006	,		╞	xpiration Date	Not Aj	plicable	
						Not A <sub>I</sub>	oplicable	
4. Identification of	System, ASME Cl		- Company ASME	Class	. 1			
-	<u>,</u>	Stean	n Generator, ASME					
5. (a) Applicable Cons	truction Code:	ASME Sectio	n III 1989	Editio	n, No	Addend	la, No C	Code Cas
(b) Applicable Editio	on Section XI Utilize		vity 19 98	Editio	-	Addend		
	on XI Code Case(s)	) <u>None</u>						· · · · · · · · · · · · · · · · · · ·
6. Identification of			an 1 Mastanat		Others	1		
Name of Component	Name of Manufacturer	Manufacture Serial Numb		Ide	Other entification	Year Built	Corrected, Removed,	ASME Code
							or Installed	Stampe (Yes / N
Inspection Port								
Test Cover	B & W Canada	160K-01	214	PN	I# 5231484	2005	Removed	YES
Assembly #1 Inspection Port	······································							
Test Cover	B & W Canada	160K-02	215	PN	<b>I#</b> 5231483	2005	Removed	YES
Assembly #2 Inspection Port								
Test Cover	B & W Canada	160K-03	216	PN	<b>1# 5</b> 231760	2005	Removed	YES
Assembly #3 Inspection Port			·····				· · ·	
Test Cover	B & W Canada	160K-03	216	PN	J# 5231854	2005	Removed	YES
Assembly #3 Flange		10011 00	210			2000		
Inspection Port		<u> </u>						<u> </u>
Test Cover Assembly #4	B & W Canada	160K-04	217	PN	V# 5231790	2005	Removed	YES
Inspection Port		0068.02			1# 5206091	2002	Lastelle J	VEC
Cover @ Port #9	B & W Canada	006K-03	207	Pr	N# 5206081	2003	Installed	YES
Inspection Port Cover @ Port #10	B & W Canada	006K-03	207	P	N# 5206081	2003	Installed	YES
Inspection Port				+	· ·			
Cover @ Port #11	B & W Canada	006K-03	207	PN	<b>1# 5206081</b>	2003	Installed	YES
Inspection Port Cover @ Port #14	B & W Canada	006K-03	207	PI	N# 5206081	2003	Installed	YES
7. Description of	Work		·····				•	
On Unit 2 "A" Ste #11 and #14 and t			d inspection port co alled.	over w	as removed a	t each su	pport location	at #9, #1
8. Test Conducte	;d							
Hydrost			nal Operating Pressur	e	Exempt	Other		
	Pressure	PSI	Test Ten	nperatu	re	• <b>F</b>		

• . \*\*\* • ----

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· · · · · · · · · · · · · · · · · · ·	Work Order Number	Sheet
	1779633	2 of 2
. Remarks (Applicable Manufacturer's Data Reports to be attached)		• <b>••</b> ••
• Port#9- UTC 1061990		
· Port#10-UTC 1914545		
· Port#11-UTC 1914545		
· Port#14-UTC 1914545		
6		
©		
0		
8		
0		
0		<u></u>
CERTIFICATE OF COMPLIA	NCE	
I certify that the statements made in the report are correct and that ASME Code, Section XI.	this conforms to the requirem	ents of the
Type Code Symbol Stamp Not A	Applicable	
Certificate of Authorization Number Not Applicable	Expiration Date Not A	Applicable
Signed K.W. Rannou/Engineer	Date12/3/200	)8
Owner or Owner's Designee, Title		

CERTIFICAT	E OF INSERVICE I	NSPEC	TION	•			
I, the undersigned, holding a valid commission i		onal B	pard of Boiler and P	ressure Vessel			
Inspectors and the State or Province of Alorra	CAROLINA	and	employed by				
of Hartford, Connecticut			-	components described			
in this Owner's Report during the period	3-11-08	to	3-9-09	, and state that			
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer or property damage or a loss of any kind arising from or connected with this inspection.							
Inspector's Signature Date <u>3-9-09</u>	Commissions 🗡	<u>JC /9</u> Nat	ional Board, State, Prov	ince, and Endorsements			

				Work Order Num	ber	Sheet	
"N				1827	1 of	1 of 2	
. Owner		2. PI	ant			Unit	
Duke Pov	ver Company		Oconee Nuc	lear Station		ON	S - 2
	Church Street		7800 Roche			Date	
Charlotte.	NC 28201-1006		Seneca, SC	29672		3/25.	/2009
3. Work Performe	d by			Type Code Symb		plicable	
Duke Pov	wer Company			Authorization Nu			
526 Sout	h Church Street			AddionZation its		plicable	
Charlotte	, NC 28201-1006	)		Expiration Date	N-4 A-		
Identification	f System, ASME C	266		i	Not Ap	plicable	
			g Spray System, A	ASME Class 2			
• • • •							
a) Applicable Con		ASME Section II		Edition, <u>1975</u>	_ Addend	and the second s	ode Ca
	on Section XI Utilize	-	19 <u>98</u>	Edition, 2000	Addend	1a.	
6. Identification o	and the second	/		ι	· · ·		
Name of	Name of	Manufacturer	National	Other	Year	Corrected,	ASM
Component	Manufacturer	Serial Number	Board No.	Identification	Built	Removed, or installed	Cod Stam
							(Yes /
BS-27	BNL Ind. Inc.	<b>A</b> 070815-1-4	Unknown	PN# 05D-2015	2007	Installed	YE
	BIVE Ind. Inc.	<b>A</b> 070813-1-4	Olikilowii	UTC# 1906160	2007	Instanco	112
2BS-28	BNL Ind. Inc.	A070815-1-5	Unknown	PN# 05D-2015 UTC# 1906161	. 2007	Installed	YE
				PN# 05D-2015			
2BS-29	BNL Ind. Inc.	A 070815-1-6	Unknown	UTC# 1906162	2007	Installed	YE
		]					
				· · · · · · · · · · · · · · · · · · ·			
		-					
					<b> </b>		
		-					
							1
							<u> </u>
				· .			
7. Description of	l Work	.1					L.,
-	nt vents on 2B Re	actor Building S	prav header.			, ,	
. 81			F				
3. Test Conduct	ed			<u></u>			
Hydros	static 🗌 Pneuma	itic 🛛 Nominal	<b>Operating Pressure</b>	Exempt	Other _	Visible	
	Pressure	PSI	Test Temp	erature	°F _		

	Work Order Number	Sheet
	1827688	2 of 2
	· · · · · · · · · · · · · · · · · · ·	
•		
	<u></u>	
	-	
. <u></u>	· .	
۱۸۱۲	NCE	
		Work Order Number 1827688

Type Code Symbol Stamp	Not Applicable
Certificate of Authorization Number Not Applicable Signed Mult. In Control Engineer Owner or Owner's Designee Title	Expiration Date Not Applicable Date $3/25/09$

C	ERTIFICATE OF INSERVIC	E INSPEC	TION	
I, the undersigned, holding a valid co	mmission issued by the N	ational B	oard of Boiler and F	Pressure Vessel
Inspectors and the State or Province of	SOUTH CRECLINSA	and	employed by	HSB CT
of Hartford, Co	onnecticut		have inspected the	e components described
in this Owner's Report during the period	11-6-08	to	4-9-09	, and state that
to the best of my knowledge and beli	ef, the Owner has perfo	rmed exa	aminations and tal	ken corrective measures
described in this Owner's Report in accord	dance with the requireme	nts of the	e ASME Code, Sec	tion XI.
By signing this certificate neither the	ne Inspector nor his em	ployer m	akes any warrant	y, expressed or implied,
concerning the examinations and corre	ctive measures described	d in this	Owner's Report.	Furthermore, neither the
Inspector nor his employer shall be liab	e in any manner for any	personal	injury or property	damage or a loss of any
kind arising from or connected with this in	ispection.			
al h - h	<b>-</b>	5		
a form	Commissions		32 NIRBE	
Inspector's Signature		Nat	tional Board, State, Pro-	vince, and Endorsements
Date 7-9-09	•			

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

As require	ed by the provisions of the ASI	ME Code Section	XI		Work C	order Nu	mbe	Sheet		
							596 - 01		Page	e1 of 2
	Dula Farma Oraclina III O		2. Plant Ocone	a Nivela as Ctat				Unit		. 1 01 2
1. Owner	Duke Energy Carolinas, LLC 526 South Church Street			e Nuclear Stat				Unic	2	
	Charlotte, NC 28201-1006			Rochester Hwy a, SC 29672-0				Date	5/18/2010	0
			Sellec	a, 30 23072-0	152		de Cumbel			
3. Work Pe	erformed By Duke Energy Carolinas, LLC					iype Co	ode Symbol	Not /	Applicable	
	526 South Church Street					Author	ization Num		Applicable	
	Charlotte, NC 28201-1006					Expirat	tion Date		Applicable	
4. Identifica	ation of Systems, ASME Class	L our Proc	sura Sanciaa Matar							
ļ		Low Pres	sure Service Water	, ASME Cla	ISS Z				······································	
5. (a) Applica	able Construction Cod USAS B31.1	1967: Editi	on, <u>No</u> Addenda <u>N</u>	o Code Case						
., .,	able Edition Section XI Utilized For R/R A	-	on, <u>2000</u> Addenda							
		None	. · · · · · · · · · ·				- 100			
6. Identificati	ion of Coimponents			1						
	Name of Component	Manufacturer:	Manufacturer Serial Number	National Board No	Oth identific		Year Built	Corrected Removed Installed	or Sta	/IE Code amped 'es/No)
									`	
4 inch So	ch 40 pipe	Duke	N/A	UNK	N/A		2010	Installed	No	
			<u></u>							
							•			
		1 · · · ·								
								÷ .		
	ion of Work									
· Rep	lacement of 4 ft section of 4 in	ch Sch 40 carbon	steel (CS) piping b	etween valve 2	LPSW-5	64 and	10 inch	header with	new CS pi	ipe.
8. Test Con								· · ·		
	Hydrostatic 🗌 Pnuema	atic 🗌 No	minal Operating Pre	ssure 🗌 E	Excempt		Othe	r <u>Funtio</u>	nal	
	Pressure	PSI			Test Te	mpera	ture	ſ	Deg. F	
L			······································	······································		-			-	

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

equired by the provisions of the ASME Code S	Section XI	W	ork Order Numbe 01843596	- 01	Sheet	Page 2 of 2
marks (Applicable Manufactuerr's Data Reports to be at	tached)					
ch. 40 SA106 Gr. B pipe, Cat. ID 000014933	6	<u>_</u>		······		
			,			
				••		
·····						
C C	CERTIFICATION	OF COMPLIAN	CE			
I certify that the statements made in the rep ASME Code, Section XI	port are correct and that	this conforms to the	requirements o	of the		
Type Code Symbol Stamp		Not Applicable				
Certificate of Autherization Number	Not Applicable	Expiratio		Not Appl	icable	
Signed Geary L. Armentrout, Principal Eng	gineer facy f	Date	5/18	/2010		
Owner or Ow	ner's Designee, Title					
CERT	IFICATION OF IN	SERVICE INSP	ECTION	•		
I, the undersigned, holding a valid commiss	sion issued by the Natior	al Board of Boiler ar	d Pressure Ve	ssel		
Inspectors and State or province of Source		nd employed by	HSB			
of <u>Hartford, Connect</u>		have inspected th to ムンーノの			L _A	
in the Owner's Report during the period to the best of my knowledge and belief, the C		· · · · · · · · · · · · · · · · · · ·		and state t	กลเ	
	ce with the requirements	of the ASME Code,	Section XI.			
described in this Owner's Report in accordan						
By signing this certificate neither the inspe- concerning the examinations and corrective in inspector nor his employer shall be liable in a any kind rising from or connected with this in	measures described in than any manner for any personal second seco	is Owner's Report. F	urthermore, ne	either the		
By signing this certificate neither the inspe- concerning the examinations and corrective in inspector nor his employer shall be liable in a	measures described in th any manner for any perso spection.	is Owner's Report. F mal injury or property	urthermore, ne	either the		
By signing this certificate neither the inspector nor his employer shall be liable in a any kind rising from or connected with this in	measures described in than any manner for any personal second seco	is Owner's Report. F mal injury or property	urthermore, ne	either the		
By signing this certificate neither the inspector nor his employer shall be liable in a any kind rising from or connected with this in	measures described in thany manner for any persons spection.	is Owner's Report. F mal injury or property	urthermore, ne damage or a	either the loss of	·	
By signing this certificate neither the inspector nor his employer shall be liable in a any kind rising from or connected with this in	measures described in thany manner for any persons spection.	is Owner's Report. F onal injury or property	urthermore, ne damage or a	either the loss of		

				Work Order Num		Sheet	
				01873	3906	1 0	t 2
526 South	rgy Carolinas, LL Church Street NC 28201-1006		Oconee Nuclear Station			Date	IS - 2 2010
3. Work Performed	d by	I		Type Code Sym		plicable	•
	ergy Carolinas, LL	.C		Authorization N	umber		
	n Church Street , NC 28201-1006			Expiration Date		plicable	
4. Identification of	System, ASME CI	ass			Not Ap	plicable	
	-,		re Injection, ASN	ME Class 2			
(c) Applicable Secti	on Section XI Utilize on XI Code Case(s)	•	19 <u>69</u> 19 <u>98</u>	Edition, <u>No</u> Edition, 2000	Addend Addend	·	Code Case
6. Identification of Name of Component	Components Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Valve 2HP-103	Crane Co	OA21447-06	UNK	UNK	UNK	Removed	NO
Valve 2HP-107	Crane Co	OA21447-05	UNK	UNK	UNK	Removed	NO
Valve 2HP-111	Crane Co	OA21447-05	UNK	UNK	UNK	Removed	NO
Valve 2HP-103	ValvTech. Inc.	10102224	None	UTC 1958219	2010	Installed	YES
Valve 2HP-107	ValvTech. Inc.	10102222	None	UTC 1958217	2010	Installed	YES
Valve 2HP-111	ValvTech. Inc.	10102223	None	UTC 1958218	2010	Installed	YES
Valve 2HP-993	ValvTech. Inc.	10102225	None	UTC 1958220	2010	Installed	YES
(1) Piping	DEC	None	None	None	2010	Installed	NO
(2) Support 2- 51A-6-0-435B- SR58	DEC	None	None	None	UNK	Corrected	NO
EC100768 - Repl	<ol> <li>Description of Work</li> <li>EC100768 - Replaced 6" Class B valves 2HP-103, -107, and -111. Installed new 6" flanged valve 2HP-993. Replaced 1/2" vent 2HP-443, added new 1/2" vents 2HP-991 and -992. Modified support/restraint.</li> </ol>						
8. Test Conducte	_		Operating Pressure Test Tem		Other °F		······

	Work Order Number	Sheet
	01873906	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
<b>1</b> Installed 6" piping, (8) 6" flanges, (192) 3/4" nuts, and (96) 3/4" studs		
Support 2-51A-6-0-435B-SR58, removed plate and installed Fig. 640 sways	strut and 6" nine clamn	
G Support 2-517-0-0-455D-51(56, Telhoved plate and instanted Fig. 040 sway s		
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CERTIFICATE OF COMPLIA	NCE	
I certify that the statements made in the report are correct and that t ASME Code, Section XI.	his conforms to the requireme	ents of the
Type Code Symbol Stamp Not A	pplicable	
Certificate of Authorization Number Not Applicable	Expiration Date Not A	oplicable
	·	
Owner or Owner's Designee, Title	Date 6/2/201	0
CERTIFICATE OF INSERVICE INS		]
I, the undersigned, holding a valid commission issued by the Nation	-	re Vessel
Inspectors and the State or Province of Sourd Carolina	and employed by	ISB CT
of Hartford, Connecticut in this Owner's Report during the period 3-4-10 t	have inspected the comp 6 6-15-10	
to the best of my knowledge and belief, the Owner has performed	examinations and taken co	prrective measures
described in this Owner's Report in accordance with the requirements o By signing this certificate neither the Inspector nor his employe		
concerning the examinations and corrective measures described in t	his Owner's Report. Furthe	rmore, neither the
Inspector nor his employer shall be liable in any manner for any perso kind arising from or connected with this inspection.	onal injury or property damag	ge or a loss of any
Inspector's Signature		ad Endorsomerte
	National Board. State, Province, ar	iu rinuorsements
Date 6-15-10		

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				Work Order Nun	nber	Sheet	LIR.
				01880548	8-02, -06	1 of	f 2 JHB
1. Owner		2. Pl	ant			Unit	
Duke Ene	rgy Carolinas, LL	.C	Oconee Nuclear Station ONS - 2				
1	Church Street		7800 Roche	•	,	Date	
Charlotte, NC 28201-1006 Seneca, SC 29672 5/11					/2010		
3. Work Performed	d by			Type Code Sym		oplicable	
526 South	ergy Carolinas, LI h Church Street			Authorization N		oplicable	•
Charlotte	, NC 28201-1006			Expiration Date	Not Ap	oplicable	
4. Identification of			ding Cooling Un	it (RBCU) Coils ,	ASME C	Class 2	
<ul> <li>5.</li> <li>(a) Applicable Cons</li> <li>(b) Applicable Edition</li> <li>(c) Applicable Section</li> </ul>	on Section XI Utilize		19 <u>69</u> 19 <u>98</u>	Edition, <u>No</u> Edition, <u>2000</u>	Addenc		Code Case
6. Identification of	f Components					·····	
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2C RBCU Coil bolting - for coils 1,2,3 & 4 (1)	Duke	Unknown	None	None	2010	Installed	NO <sup>·</sup>
				· · ·			
<u> </u>		· · · · ·			<u> </u>		
·		<u> </u>					
	<u> </u>						
· · · · · · · · · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·	
7. Description of	 Work	I	l	[		l	
Preventative Main cooler waterbox. inch diameter LP	This involved dis	assembling the L	ow Pressure Ser	vice Water (LPSW	/) piping	from the coils.	The 5/8-
8. Test Conducte	ed		<u> </u>				
Hydrost	tatic Pneuma Pressure		Operating Pressure Test Tem		Other •F		
		·····					

	Work Order Number	Sheet
	01880548-02, -06	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
• Replaced one hundred twenty-eight (128) 5/8-inch diameter nuts and sixty-for #1, #2, #3 and #4 Coils' flanges. The Catalog ID # for the nuts is 293556 and th Catalog ID # for the stud material (threaded rod) is 297412 and the UTC # was (	e UTC #'s were 0001949181 &	
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CERTIFICATE OF COMPLIAN I certify that the statements made in the report are correct and that the ASME Code, Section XI.		nts of the
Type Code Symbol Stamp Not Ap	oplicable	
Certificate of Authorization Number Not Applicable	Expiration Date Not A	pplicable
Signed Armes H Battor Engineer E	Date 5/11/2010	
CERTIFICATE OF INSERVICE INSE	PECTION	
of Hartford, Connecticut in this Owner's Report during the period <b>9-29-09</b> to to the best of my knowledge and belief, the Owner has performed described in this Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector nor his employer concerning the examinations and corrective measures described in the Inspector nor his employer shall be liable in any manner for any person kind arising from or connected with this inspection.	and employed by have inspected the comp  examinations and taken co f the ASME Code, Section XI. r makes any warranty, expr his Owner's Report. Furthe onal injury or property damag	ISB CT onents described , and state that rrective measures ressed or implied, rmore, neither the
Commissions SC.		·
Inspector's Signature	National Board, State, Province, an	d Endoncoments

				Work	Order Num	ıber	Sheet	
<b>,</b>					0188	0740	1 0	f 2
1. Owner		2. P	lant				Unit	
Duke Ene	rgy Carolinas, LL	C	Oconee Nuc	lear Sta	tion		ON	IŞ - 2
	Church Street		7800 Roche	ster Hw	y		Date	
Charlotte,	NC 28201-1006		Seneca, SC		-			/2010
3. Work Performed	d by			Туре	Code Symi	ool Stamp	ł	
	-	_					plicable	
1	ergy Carolinas, LI h Church Street	.C		Auth	orization Na		plicable	
	, NC 28201-1006			Expir	ation Date	NotA		
					auon Daie	Not Ap	plicable	
4, Identification of	System, ASME CI		thing Air System, A	ASME (	Class 2			
5.								
(a) Applicable Cons (b) Applicable Edition	and the second se	USAS B31.7		Edition, Edition,	<u>No</u> 2000	_ Addend Addend	•	Code Case
(c) Applicable Edition			19	zailion,			12.	•
6. Identification of								
Name of	Name of	Manufacturer	National	Of	her	Year	Corrected,	ASME
Component	Manufacturer	Serial Number	Board No.		fication	Built	Removed,	Code
							or Installed	Stamped (Yes / No)
	ITT Engineered			 T T	TC			
2BA-172	ITT Engineered Valves	UNK	UNK		924056	UNK	Installed	NO
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	l	<u></u>	1					
7. Description of						_		
Modification repla								1 - 1 1 4
PEEK is not suital in 2BA-172. The								
defect found on th		iven to make sul	v mat die Dali was	HOL CON	utouting		rage. There we	10 110
8. Test Conducte								
Hydrost	atic 🔲 Pneumat	ic 🗌 Nominal	<b>Operating Pressure</b>	Ex	empt 🗵	Other _	Cont Isol Seat I	eak
	Pressure	PSI	Test Temp	erature		°F	·····	
L								

	Work Order Number	Sheet
	01880740	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		·
• Part= Ball for 2" ITT ball valve catalog ID 311092, UTC # 000192, Trace	PN # 16394, Heat Code # 9GHN	I-1 & -2
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CERTIFICATE OF COMPLIAN	NCE	
I certify that the statements made in the report are correct and that t	his conforms to the requireme	ents of the
ASME Code, Section XI.		
	pplicable	
	Expiration Date Not A	pplicable
	Date 5-22-201	0
Owner or Owner's Designée, Title		
CERTIFICATE OF INSERVICE INS		
I, the undersigned, holding a valid commission issued by the National Inspectors and the State or Province of FLORIDA		re Vessel ISB CT
of Hartford, Connecticut	have inspected the comp	
in this Owner's Report during the period 5-22-2010 to		_ , and state that
to the best of my knowledge and belief, the Owner has performed		
described in this Owner's Report in accordance with the requirements of	f the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor his employe concerning the examinations and corrective measures described in t		
Inspector nor his employer shall be liable in any manner for any perso		
kind arising from or connected with this inspection.	and a property during	
O = I		
<u>A Trunch M. Kaynalola</u> Commissions <u>F2 2</u> Inspector's Signature	<u>18 A B, I N NS IS</u> National Board, State, Province, an	d Endorsements
Date JULY 8, 2010 Commissions FI 2.		

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				Work Order Nun	nber	Sheet	
ł				018810	01881074-01		f <b>2</b>
1. Owner		2. Pl	ant	Unit			
Duke Ene	rgy Carolinas, LL	.C	Oconee Nu	lear Station		ON	IS - 2
	Church Street		7800 Roche			Date	
Charlotte,	NC 28201-1006		Seneca, SC	•			/2010
3. Work Performed				Type Code Sym	hol Stamp		/2010
5. WORK Performed	збу			Type code sym		plicable	
	ergy Carolinas, LI	.C		Authorization N	umber		
	n Church Street	,			Not Ap	plicable	
Charlotte,	, NC 28201-1006	)		Expiration Date			
					Not Ar	oplicable	
4. Identification of	System, ASIME CI		re Injection, ASN	1E Class 2			
5.							
<ul><li>(a) Applicable Cons</li><li>(b) Applicable Edition</li></ul>		USAS B31.7		Edition, <u>No</u> Edition, 2000	Addeno Addeno		Code Case
(c) Applicable Culto		-	19			10.	
6. Identification of		/					
Name of	Name of	Manufacturer	National	Other	Year	Corrected,	ASME
Component		Serial Number		Identification	Built	Removed,	Code
						or Installed	Stamped (Yes / No)
·							ļ., ,
2HP-31	Fisher Controls	4768610	None	None	1971	Corrected	NO
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7. Description of	Work	· · · · · · · · · · · · · · · · · · ·					
PM performed on	the valve found t	he valve plug wa	s eroded				
8. Test Conducte	ed			•	······································		
Hydrost	tatic 🗌 Pneuma	tic 🗌 Nominal 🤅	Operating Pressure	Exempt	🛛 Other	Visual	
	Pressure	PSI	Test Temp	oerature	°F		

	Work Order Number	Sheet
	01881074-01	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		••••••••••••••••••••••••••••••••••••••
	······	
• Valve plug/stem assembly, CAT ID 860541, UTC 00001938474	·	
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I certify that the statements made in the report are correct and that ASME Code, Section XI. Type Code Symbol Stamp Not A	pplicable	
Certificate of Authorization Number Not Applicable	Expiration Date Not A	Applicable
Signed John M alexander Series Lad Seeciclist	Date 5/13/10	
WINNING THE THE CARLES AND A COMPANY AND A C		
Owner or Owner's Designee, Title		
	SPECTION	
Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INS I, the undersigned, holding a valid commission issued by the Nation	al Board of Boiler and Pressu	
Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INS I, the undersigned, holding a valid commission issued by the Nation Inspectors and the State or Province of FLORIDA	al Board of Boiler and Pressu and employed by	HSB CT
Owner or Owner's Designee, Title         CERTIFICATE OF INSERVICE INS         I, the undersigned, holding a valid commission issued by the Nation         Inspectors and the State or Province of	al Board of Boiler and Pressu and employed by have inspected the com to 7-8-2010	HSB CT ponents described , and state that
CERTIFICATE OF INSERVICE INS         I, the undersigned, holding a valid commission issued by the Nation         Inspectors and the State or Province of	al Board of Boiler and Pressu and employed by have inspected the com to <u>7-8-2010</u> d examinations and taken co	HSB CT ponents described , and state that prrective measures
Owner or Owner's Designee, Title         CERTIFICATE OF INSERVICE INS         I, the undersigned, holding a valid commission issued by the Nation         Inspectors and the State or Province of	al Board of Boiler and Pressu and employed by have inspected the com to <u>7-8-2010</u> d examinations and taken co of the ASME Code, Section XI	HSB CT ponents described , and state that prrective measures
Owner or Owner's Designee, Title         CERTIFICATE OF INSERVICE INS         I, the undersigned, holding a valid commission issued by the Nation         Inspectors and the State or Province of	al Board of Boiler and Pressu and employed by have inspected the com to <u>7-8-2010</u> d examinations and taken co of the ASME Code, Section XI er makes any warranty, exp this Owner's Report. Further	HSB CT ponents described , and state that prrective measures ressed or implied ermore, neither the
Owner or Owner's Designee, Title         CERTIFICATE OF INSERVICE INS         I, the undersigned, holding a valid commission issued by the Nation         Inspectors and the State or Province of	al Board of Boiler and Pressu and employed by have inspected the com to <u>7-8-2010</u> d examinations and taken co of the ASME Code, Section XI er makes any warranty, exp this Owner's Report. Further	HSB CT ponents described , and state that prrective measures ressed or implied ermore, neither the
Owner or Owner's Designee, Title         CERTIFICATE OF INSERVICE INSERVICE INSERVICE INSERVICE INSERVICE INSERVICE INSERVICE INSERVICE INSERVICES and the State or Province of $F_{LoR/DA}$ of	al Board of Boiler and Pressu and employed by have inspected the com to <u>7-8-2010</u> d examinations and taken co of the ASME Code, Section XI er makes any warranty, exp this Owner's Report. Furthe conal injury or property dama	HSB CT oonents described , and state that prrective measures ressed or implied ermore, neither the ge or a loss of any
Owner or Owner's Designee, Title         CERTIFICATE OF INSERVICE INS         I, the undersigned, holding a valid commission issued by the Nation         Inspectors and the State or Province of	al Board of Boiler and Pressu and employed by have inspected the com to <u>7-8-2010</u> d examinations and taken co of the ASME Code, Section XI er makes any warranty, exp this Owner's Report. Furthe conal injury or property dama	HSB CT oonents described , and state that prrective measures ressed or implied, ermore, neither the ge or a loss of any
Owner or Owner's Designee, Title         CERTIFICATE OF INSERVICE OF Inspectors and the State or Province of $F_{LORIDA}$ of	al Board of Boiler and Pressu and employed by have inspected the com to <u>7-8-2010</u> d examinations and taken co of the ASME Code, Section XI er makes any warranty, exp this Owner's Report. Further	HSB CT oonents described , and state that prrective measures ressed or implied, ermore, neither the ge or a loss of any

				Work Order Num	ber	Sheet	A.13
				01884502	2-02, -06	1 o:	f 2 AH3
526 South	rgy Carolinas, LL Church Street NC 28201-1006	C	Plant Oconee Nu 7800 Roche Seneca, SC	ester Hwy Date			
3. Work Performed	d by		·····	Type Code Sym		oplicable	
	ergy Carolinas, LL n Church Street	LC ·		Authorization Nu	umber	oplicable	
	, NC 28201-1006			Expiration Date		oplicable	
4. Identification of			Iding Cooling Un	it (RBCU) Coils,			
<ol> <li>Applicable Cons</li> <li>(b) Applicable Edition</li> <li>(c) Applicable Section</li> <li>Identification of</li> </ol>	struction Code: on Section XI Utilize ion XI Code Case(s)	USAS B31.7 ed For R/R Activity	19 69	Edition, <u>No</u> Edition, <u>2000</u>	_ Addenc	la, <u>No</u> (	Code Case.
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2B RBCU Coil bolting - for coils 1,2,3 & 4 (1)	Duke	Unknown	None	None	2010	Installed	NO
·····							
involved disassen	he 2B RBCU Coil nbling the Low Pr tterial for piping-to	essure Service V	Water (LPSW) pip	required removal ing from the coils. It due to surface do	The 5/3	8-inch diamete	
Hydrost	tatic Pneuman Pressure		l Operating Pressure Test Temp		Other °F		

	Work Order Number	Sheet
	01884502-02, -06	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
• Replaced one hundred twenty-eight (128) 5/8-inch diameter nuts and sixty-fe #1, #2, #3 and #4 Coils' flanges. The Catalog ID # for the nuts is 293556 and the the stud material (threaded rod) is 297412 and the UTC # was 0001953045.		
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CERTIFICATE OF COMPLIAN	NCE	
I certify that the statements made in the report are correct and that t ASME Code, Section XI.	his conforms to the requireme	ents of the
Type Code Symbol Stamp Not A	pplicable	·
		pplicable
Signed Agmest Satton Engineer	Date <u>5/11/2010</u>	
9		
CERTIFICATE OF INSERVICE INS	PECTION	
of <u>Hartford, Connecticut</u> in this Owner's Report during the period <u>7-27-07</u> to to the best of my knowledge and belief, the Owner has performed described in this Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector nor his employer concerning the examinations and corrective measures described in the Inspector nor his employer shall be liable in any manner for any person kind arising from or connected with this inspection.	and employed by have inspected the comp o examinations and taken co f the ASME Code, Section XI. er makes any warranty, exp this Owner's Report. Furthe onal injury or property damage	ISB CT oonents described , and state that rrective measures ressed or implied, rmore, neither the
Commissions Sc.	232 NABC 15	
Inspector's Signature Date	National Board, State, Province, ar	ad Endorsements
	· · · · · · · · · · · · · · · · · · ·	

		x		Work Order Num	ıber	Sheet	INB
	·		•	01884503	3-02, -09	1 o.	f 2 HB
1. Owner	<u></u>	2. Pla	ant		h	Unit	<u> </u>
Duke Energy Carolinas, LLCOconee Nuclear StationONS -526 South Church Street7800 Rochester HwyDateCharlotte, NC 28201-1006Seneca, SC 296725/11/20							
3. Work Performed	l by			Type Code Sym			
Duke Fne	rgy Carolinas, LL	C ·			Not App	licable	
526 South	h Church Street NC 28201-1006			Authorization Nu	Not App	olicable	
			<u> </u>	Expiration Date	Not App	olicable	
		ass 2A Reactor Build	ting Cooling Uni	t (RBCU) Coils,	ASME CI	lass 2	
<ol> <li>(a) Applicable Cons</li> <li>(b) Applicable Edition</li> <li>(c) Applicable Section</li> <li>Identification of</li> </ol>	on Section XI Utilize on XI Code Case(s)	•		Edition, <u>No</u> Edition, <u>2000</u>	_ Addenda _ Addenda	· · · · · · · · · · · · · · · · · · ·	Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or installed	ASME Code Stamped (Yes / No)
2A RBCU Coil bolting - for coils 1,2 & 3 (1)	Duke	Unknown	None	None	2010	Installed	NO
·····							
					·		
							;
7. Description of Maintenance on the involved disassem	he 2A RBCU Coil abling the Low Pr	ls # 1, #2 & #3 (tu ressure Service Wa o-coil flanges requ	ater (LPSW) pipi	ing from the coils.	. The 5/8-	-inch diameter	nis r LPSW
8. Test Conducte	ed	tic 🛛 Nominal C	Operating Pressure Test Temp	Exempt	Other °F	<u> </u>	

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	Work Order Number	Sheet
	01884503-02, -09	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)	- <u> </u>	
• Replaced one hundred twenty-eight (128) 5/8-inch diameter nuts and sixty-f #1, #2 & #3 Coils' flanges. The Catalog ID # for the nuts is 293556 and the UT stud material (threaded rod) is 297412 and the UTC #'s were 0001954093 and 0	ΓC # was 0001949181. The Cata	
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CERTIFICATE OF COMPLIA	NCE	
I certify that the statements made in the report are correct and that t ASME Code, Section XI.	his conforms to the requireme	nts of the
Type Code Symbol Stamp Not A	pplicable	
Certificate of Authorization Number Not Applicable		pplicable
Signed Agmes H Softer Engineer Engineer	Date 5/11/2010	
	<u> </u>	
CERTIFICATE OF INSERVICE INS	PECTION	
I, the undersigned, holding a valid commission issued by the Nation Inspectors and the State or Province of <u>Sum Coeccus</u> of <u>Hartford, Connecticut</u>	al Board of Boiler and Pressu and employed by have inspected the comp  o examinations and taken co f the ASME Code, Section XI. er makes any warranty, exp this Owner's Report. Furthe	ISB CT onents described , and state that rrective measures ressed or implied, rmore, neither the
Inspector's Signature	National Board, State, Province, ar	d Endorsements
Date 5-27-10		

				Work Order Num	ber	Sheet	
				01895	5070	1 of	f 3
1. Owner	<u></u>	2. PI	ant			Unit	
	gy Carolinas, LL	c		clear Station			IS - 2
	Church Street NC 28201-1006		7800 Roche Seneca, SC	•		Date	10010
		<u> </u>				5/19	/2010
3. Work Performed	-			Type Code Symb		Stamp	
	rgy Carolinas, LI Church Street	.C		Authorization Nu		plicable	."
Charlotte,	NC 28201-1006	1		Expiration Date	Not Ap	plicable	
4. Identification of	System, ASME CI		Injection (HPI), A	SME Class 2			
<ul> <li>5.</li> <li>(a) Applicable Const</li> <li>(b) Applicable Editio</li> <li>(c) Applicable Section</li> </ul>	n Section XI Utilize	USAS B31.7 d For R/R Activity	19 69	Edition, <u>No</u> Edition, <u>2000</u>	_ Addend _ Addend		Code Case
6. Identification of	Components						
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1 2HP-139 4" Manual Gate	Velan	UNKNOWN	UNKNOWN	B12-354B-13MS FS/2/51/71	UNK	Removed	NO
<b>2</b> 2HP-139 4" EMO Gate	Velan	102002	UNKNOWN	DMV-1711 UTC # 1958870	UNK	Installed	YES
<b>3</b> 2HP-140 4" Manual Globe	Velan	UNKNOWN	UNKNOWN	B12-374B-13MS FS/2/51/72	UNK <sup>.</sup>	Removed	YES
<b>4</b> 2HP-140 4" EMO Drag	ССІ	104754-021-1	UNKNOWN	DMV-1710 UTC # 1959508	2010	Installed	YES
5 4" SS Pipe and elbows	DPCo.	UNKNOWN	UNKNOWN	See Page 3 for material details	UNK	Installed	NO
<b>6</b> Support 2-51A-0-1438A- FJM-1501	DPCo.	UNKNOWN	UNKNOWN	See Page 3 for parts breakdown	UNK	Removed	NO
<b>7</b> Support 2-51A-1438A H5650	DPCo.	UNKNOWN	UNKNOWN	See Page 3 for parts breakdown	UNK	Installed	NO
7. Description of V							
EC 91857: Replace accommodate insta (2-51A-1438A-H5 when the bonnet w	allation. Remove 650). Replaced 2	d one pipe suppo 2HP-138 body/bo	ort (2-51A-0-143) onnet joint nuts a	8A-FJM-1501) and nd studs due to cor	l installed rosion or	l one new pipe	support
8. Test Conducted	d			· · · · · · · · · · · · · · · · · · ·	_		
Hydrosta	tic Pneumat	ic 🛛 Nominal	<b>Operating Pressure</b>	Exempt	Other	···-	
	Pressure N	OP PSI	Test Temp	oerature <u>NOT</u>	°F		

					Γ	Work Order Nur	nber	Sheet	
						0189	5070	2 of	f 3
1. Owner	,	· · · ·	2. Pla	ant				Unit	
Duke Energ	gy Carolinas, LL	.C		Oconee Nu	clea	r Station		ON	S- 2
	Church Street			7800 Roche		-		Date	
Charlotte, 1	NC 28201-1006			Seneca, SC	290	672		5/19	/2010
3. Work Performed	by				Τ	Type Code Symbol Stamp Not Applicable			
	gy Carolinas, LI	LC			F	Authorization N			
	Church Street	•			ļ			oplicable	
Charlotte, I	NC 28201-1006	<b>)</b>				Expiration Date		plicable	
4. Identification of S	System, ASME CI	ass	····.						
			sure I	njection (HPI), A	ASM	IE Class 2			
5.	wation Code	USAS B3	17	19 69	Editi	on, No	Addend	la, YES (	Code Case
<ul><li>(a) Applicable Constr</li><li>(b) Applicable Edition</li></ul>				19 09	Editi		Addend		
(c) Applicable Section					_	·			
6. Identification of C	Components								
Name of	Name of	Manufactu		National	Ι.	Other	Year	Corrected,	ASME
Component	Manufacturer	Serial Num	nber	Board No.	ld	entification	Built	Removed, or installed	Code Stamped
							······		(Yes / No)
<b>8</b> 2HP-138	Velan	UNKNOV	ŴN	UNKNOWN	. 1	FS/2/51/70	UNK	Removed	NO
Body Bonnet Studs	· · · · · · · · · · · · · · · · · · ·				R	od, Threaded			
<b>9</b> 2HP-138	Velan	UNKNOV	VN	UNKNOWN		/8" CAT ID	UNK	Installed	NO
Body Bonnet Studs					ļ	297414			
<b>10</b> 2HP-138	Velan	UNKNOV	VN	UNKNOWN		FS/2/51/70	UNK	Removed	NO
Body Bonnet Nuts					$\left  \right $	Nut, Heavy		L	
<b>11</b> 2HP-138	Velan	UNKNOV	VN	UNKNOWN		ex, 7/8" CAT	UNK	Installed	NO
Body Bonnet Nuts					ļ	ID 131797		<u> </u>	<u> </u>
<b>12</b> 2HP-139	Velan	102002		IDIVNOUNI	1	Heavy Hex	2000	Demoved	Vaa
(New Valve) Body Bonnet Nuts	Velan	102002		UNKNOWN		Nuts (12)	2009	Removed	Yes
<b>13</b> 2HP-139	· • • • • • • • • • • • • • • • • • • •				<u> </u>	Heavy Hex			<u> </u>
(New Valve)	Velan	548577	,	UNKNOWN		Nuts 1- 1/4"	UNK <sup>°</sup>	Installed	Yes
Body Bonnet Nuts						8UN, 2B			
					<u> </u>				

		Work Order Number 01895070 01859555-779	Sheet 3 of 3
9. Remark	s (Applicable Manufacturer's Data Reports to be attached)	0100000	
1	Removal of existing valve 2HP-139.		
2	Install new valve 2HP-139.		
3	Removal of existing valve 2HP-140.		
4	Install new valve 2HP-140.		
5	4" Piping (SA 376, SCH 160, SS, UTC #1924660) and elbo support install of new valves and re-route of associated pipi	•	TC # 1924166) to
6	Removal of existing pipe support 2-51A-0-1438A-FJM-1501 (sup Item #1 (3/4" A36 Plate), Item #2 (2-1/2" HN 1230 Anchors), Iter Item #4 (4 ½" Pipe Clamp), Item #5 (2 ½" Phillips Anchors)		lware).
7	Install new pipe support 2-51A-1438A-H5650 (support steel and r Item #1 (TS 4 x 4 x 3/8" UTC # 1939650), Item #2 (PL ¾" A36 U Item #3 ( ½" Anchors, Hilti KB3 UTC #952257), Item #4 ( ½" PL Item #5 ( ¼" PL, A36, UTC #1894551)	TC #1955213)	
8 - 11	Replace bonnet studs and nuts for 2HP-138 (disassembled	for purge path)	, , , , , , , , , , , , , , , , , , ,
12-13	Replace (new) 2HP-139 Body / Bonnet joint nuts		

CERTIFICATE OF COMPLIANCE						
I certify that the statements made in the report are correct and ASME Code, Section XI.	that this conforms to the requirements of the					
Type Code Symbol Stamp	Not Applicable					
Certificate of Authorization Number W. H. Watkins de. Sr. Mech. Assoc, Sth Signed Sr. Mich. Assoc, Sth Owner or Owner's Designee, Title	Expiration Date Not Applicable Date $S/19/10 / 5/19/10$ 57+9/10					
CERTIFICATE OF INSERVIO	CERTIFICATE OF INSERVICE INSPECTION					
I, the undersigned, holding a valid commission issued by the linspectors and the State or Province of <u>FLORIDA</u> of <u>CT</u> in this Owner's Report during the period <u>S-19-2010</u> to the best of my knowledge and belief, the Owner has perfidescribed in this Owner's Report in accordance with the requirem By signing this certificate neither the Inspector nor his er concerning the examinations and corrective measures described Inspector nor his employer shall be liable in any manner for any kind arising from or connected with this inspection.	and employed by <u>HARIFORD STEAM BLR</u> . have inspected the components described to <u>7-14-2010</u> , and state that ormed examinations and taken corrective measures ents of the ASME Code, Section XI. nployer makes any warranty, expressed or implied, ed in this Owner's Report. Furthermore, neither the personal injury or property damage or a loss of any					
Inspector's Signature Commissions	FL 21B A, N. I. B. NS. 15 National Board, State, Province, and Endorscments					
Date July 14, 2010						

				Work Order Num	ber	Sheet	
		•		18952	87-05	1 0	f 2
1. Owner		2. Pla	ant			Unit	
526 South	rgy Carolinas, LL Church Street NC 28201-1006	1	Oconee Nu 7800 Roche Seneca, SC	•		Date	NS - 2
						5/16	/2010
3. Work Performed	d by		,	Type Code Sym		plicable	
	ergy Carolinas, LI h Church Street	LC ·		Authorization Nu	umber	plicable	
Charlotte	,NC 28201-1006	i		Expiration Date		plicable	
4. Identification of	System, ASME CI		_				
		Unit 2 Main S	team System, AS	SME Class 2			
<ul> <li>5.</li> <li>(a) Applicable Cons</li> <li>(b) Applicable Edition</li> <li>(c) Applicable Section</li> </ul>	on Section XI Utilize ion XI Code Case(s		•	Edition, <u>No</u> Edition, <u>2000</u>	_ Addend _ Addend		Code Case
6. Identification of	Components			· · ·			
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2-01A-0-1480A- H1B; Hanger	D.E.C.	NONE	NONE	NONE	1973	Corrected	NO
				·			-
				· · · · · · · · · · · · · · · · · · ·			 !
7. Description of Replaced both loa maintain spacing	ad rods, the load s	tuds, weldless eye lamp. Items were	e nuts, associated not damaged, re	hext nuts replace placement was op	d, and bar tional.	spacers instal	led to
8. Test Conducte			)perating Pressure Test Temp		OtherOF		

	Work Order Numbe	r	Sheet
	1895287-0	05	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)			
<u> </u>			
• Tack Weld on spacer bar installation; UTC # 01944677			
2 Load pins(round bar); 1-3/4" diameter; ASTM A193 B7, UTC # 01057254			
Heavy Hex Nut; 1-1/2"; ASTM A194 GR 2H; UTC 01822181 and UTC #	1937771		
Heavy Hex Nut; 1-1/2"; ASTM SA194 GR 2H; UTC # 01910097			
• Weldless Eye Nut; 1-1/2"; Forged CS; UTC 01960236			
<b>6</b> Rod; 1-1/2"; ASME A193 GR B7; UTC 01000505			
0			
8			
9			
<b>O</b>			
	NCE		· · · · · · · · · · · · · · · · · · ·
I certify that the statements made in the report are correct and that	this conforms to the	requireme	nts of the
ASME Code, Section XI.			
Type Code Symbol Stamp Not A	Applicable		
Certificate of Authorization Number Not Applicable	Expiration Date	Not A	pplicable
Signed Multi Engineer	Date	5/16/201	)
Öwner or Öwner's Designee, Title			
	·	··	
	SPECTION		

<ol> <li>I, the undersigned, holding a valid commission issued by the Na</li> </ol>	ational Board of Boiler and P	ressure Vessel
Inspectors and the State or Province of FLORIDA	and employed by	HSB CT
of Hartford, Connecticut		components described
in this Owner's Report during the period 5-/1-20/0		, and state that
to the best of my knowledge and belief, the Owner has perfor	med examinations and tak	en corrective measures
described in this Owner's Report in accordance with the requirement	nts of the ASME Code, Secti	ion XI.
By signing this certificate neither the Inspector nor his emp		
concerning the examinations and corrective measures described		
Inspector nor his employer shall be liable in any manner for any	personal injury or property of	damage or a loss of any
kind arising from or connected with this inspection.		-
$\Omega = I$		,
Commissions Commissions	National Board, State, Prov	5 15
Inspector's Signature	National Board, State, Prov	ince, and Endorsements
Data F		
Date July 12, 2010		

				WORK Order N		Sneet	
·				0192	2582-01	1 01	f 2
526 South	rgy Carolinas, LL Church Street NC 28201-1006			•		Date	IS - 2 /2010
3. Work Performed	d by	, <b>I</b> ,		Type Code Sy			
526 South	ergy Carolinas, LI n Church Street , NC 28201-1006	• .		Authorization Expiration Da	Number Not Ap	oplicable oplicable oplicable	
4. Identification of	System, ASME CI		el Cooling, ASM	E Class 2		· · · · · · · · · · · · · · · · · · ·	
<ul> <li>5.</li> <li>(a) Applicable Cons</li> <li>(b) Applicable Edition</li> <li>(c) Applicable Section</li> <li>6. Identification of</li> </ul>	on Section XI Utilize ion XI Code Case(s		19 <u>69</u> 19 <u>98</u>	Edition, <u>No</u> Edition, <u>2000</u>	Addeno Addeno		Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2SF-129	Anderson Greenwood Crosby	N93355-00- 0008	n/a	none	1999	Removed	YES
2SF-129	Anderson Greenwood Crosby	N93355-00- 0016	n/a	none	2009	Installed	YES
			· · · · · · · · · · · · · · · · · · ·				
· · · · · · · · · · · · · · · · · · ·							
				· · · · ·			
7. Description of Install spare valve							
8. Test Conducte	<b></b>		Operating Pressure Test Tem		Other °F	F/V visual leak	check

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

As required by the provisions of the ASME Code Section XI

	Work Order Number	Sheet
	01922582-01	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
· · · ·		
• Replaced with new tested valve from stock. Serial number N93355-00-0016.		
0		
6		
4		
6		
6	· · ·	
0		••••••••••••••••••••••••••••••••••••••
8		
9		
0		
CERTIFICATE OF COMPLIAN		
I certify that the statements made in the report are correct and that the ASME Code, Section XI.		ents of the
	pplicable	
	Expiration Date Not A	pplicable
Signed /Sr. Engineer [	Date 5/15/201	0
Owner of Owner's Designee, Thie		
CERTIFICATE OF INSERVICE INS	PECTION	
	and employed by H	ISB CT
of Hartford, Connecticut in this Owner's Report during the period <u>5-6-2010</u> to	have inspected the comp	

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

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

David m. Freynalds Inspector's Signature	Commissions <u>F1. 218 A, N, T, B, NS, IS</u> National Board, State, Province, and Endorsements	
Inspector's Signature	National Board, State, Province, and Endorsements	
Date The 12 2010		

Date: 06/21/10

Sheet: <u>1</u> of <u>1</u>

#### TO: ONS ISIM Plan Manager

FROM: ONS QA Tech. Support

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

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

ſ	WORK ORDER NUMBER	WELD NUMBER	ISI CLASS	INSF	<b>INSPECTION TYPE</b>		YPE
	NOMBER			мт	РТ	RT	UT
	1780230	2RC-0266-28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 47, 48, 49, 50, 51, 52, 57, 58, & 59	1		x		
	1895070	2HP-0396- 23, 24, & 25 2-51A-0029- 94	2		х		×
┝							
┢	· · · · ·		· · ·				
ŀ		· · · · · · · · · · · · · · · · · · ·					
-	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·				
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6

#### 6.0 <u>Pressure Testing</u>

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

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

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

	Table 6	-1 Detailed Cla	ss 1 Listing	
Zone Number	Boundary Dwg	EOC24 Completion Status	EOC24 VT-2 Examination Date	Code Case(s) ← Used
OZ2L-1A	O-ISIL4-100A-2.1	Complete	05/28/10 ~	None
	O-ISIL4-100A-2.2			
	O-ISIL4-100A-2.3			
	O-ISIL4-101A-2.1			
	O-ISIL4-101A-2.4			
ł	O-ISIL4-102A-2.1			
	O-ISIL4-102A-2.3			
	O-ISIL4-110A-2.1			
	O-ISIL4-110A-2.4			
OZ2L-16	O-ISIL4-101A-2.4	Complete	05/28/10	None

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

	Table 6-2 Detailed Class 2 Listing									
	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used					
1	IZ2L-10	O-ISIL4-101A-2.3	Complete	10/25/08	None					
2	IZ2L-11	O-ISIL4-101A-2.3	Complete	10/25/08	None					
3	IZ2L-12	O-ISIL4-101A-2.3 O-ISIL4-101A-2.4	Incomplete							
4.	IZ2L-13	O-ISIL4-101A-2.3	Complete	03/24/10	None					

Refueling Outage Report EOC24 Oconee Unit 2 Section 6 Page 1 of 4 Revision 0 June 15, 2010

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
5	IZ2L-14A	O-ISIL4-101A-2.3	Complete	12/01/08	None
6	IZ2L-14B	O-ISIL4-101A-2.3	Complete	12/01/08	None
7	IZ2L-20	O-ISIL4-101A-2.3	Complete	02/22/10	None
8	IZ2L-22	O-ISIL4-101A-2.3	Incomplete		
		O-ISIL4-102A-2.1			
		O-ISIL4-102A-2.2	ι		•
		O-ISIL4-104A-1.2	ĺ.		
9	IZ2L-24	O-ISIL4-102A-2.1	Complete	01/05/10	None
		O-ISIL4-103A-2.1			
10	IZ2L-25	O-ISIL4-102A-2.1	Incomplete		
		O-ISIL4-103A-2.1		• .	
11	IZ2L-27A	O-ISIL4-102A-2.1	Complete	05/21/10	None
		O-ISIL4-102A-2.2			
12	IZ2L-27B	O-ISIL4-102A-2.2	Complete	12/06/08	None
13	IZ2L-4	O-ISIL4-101A-2.1	Complete	02/18/10	None
14	IZ2L-41	O-ISIL4-109A-1.1	Complete	05/22/10	None
15	IZ2L-48	O-ISIL4-122A-2.1	Complete	02/18/10	None
		O-ISIL4-122A-2.2			
		O-ISIL4-122A-2.3	,		•
		O-ISIL4-122B-2.1		÷.	1
		O-ISIL4-122A-2.4			
16 <sup>`</sup>	IZ2L-5	O-ISIL4-101A-2.1	Incomplete		
		O-ISIL4-101A-2.3			· .
17	IZ2L-60	O-ISIL4-124B-2.2	Complete	06/05/08	None
		O-ISIL4-124B-2.4	·		•
18	OZ2L-14B	O-ISIL4-101A-2.4	Complete	12/01/08	None
19	OZ2L-15	O-ISIL4-101A-2.4	Complete	12/10/08	None
20	OZ2L-16	O-ISIL4-101A-2.4	Complete	12/08/08	None
21	OZ2L-17	O-ISIL4-101A-2.2	Complete	12/08/08	None
22	OZ2L-17B	O-ISIL4-101A-2.2	Complete	05/17/10	None

Refueling Outage Report EOC24 Oconee Unit 2 Section 6 Page 2 of 4 Revision 0 June 15, 2010

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

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, **2010** 

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

Refueling Outage Report EOC24 Oconee Unit 2 Section 6 Page 4 of 4 Revision 0 June 15, 2010