

February 15, 2012

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

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

Subject:

Duke Energy Carolinas, LLC.

Oconee Nuclear Station, Unit 2

Docket No. 50-270

Unit 2 End of Cycle (EOC) 25 Refueling Outage

Inservice Inspection (ISI) Report

Fourth Ten-Year Inservice Inspection Interval

Duke Energy Carolinas, LLC (Duke Energy) is providing a copy of the Inservice Inspection Report for the Oconee Nuclear Station (ONS), Unit 2 EOC-25 Refueling Outage. This report is submitted pursuant to Section XI of the ASME Boiler and Pressure Vessel Code, 1998 Edition, with 2000 addenda, Subsubarticles IWA-6230 and IWA-6240.

This report does not include activities specific to the Steam Generator Tube Inservice Inspection. Duke Energy will transmit separately, a summary report that documents the Steam Generator Tube Inservice Inspection of the ONS, Unit 2 EOC-25 Refueling Outage.

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

Sincerely,

T. Preston Gillespie, Jr.

Scall Y. Bators FOR T.P. CILLESPIE

Vice President

Oconee Nuclear Station

Attachment

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#### Xc w/ attachment:

Victor McCree
Region II Administrator
U. S. Nuclear Regulatory Commission
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#### Xc w/o attachment

Andy Sabisch NRC Senior Resident Inspector Oconee Nuclear Station

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

# Owner's Report For INSERVICE INSPECTIONS

# OCONEE UNIT 2 2011 REFUELING OUTAGE EOC25 (OUTAGE 5)

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

NRC Docket No. 50-270

Commercial Service Date: September 9, 1974

Document Completion Date 1/31/2012

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

Revision 0

Prepared By: Date 1-24-20/2

Approved By: Date 1/30/20/2

# FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS As required by the Provisions of the ASME Code Rules

2. Plant: Oc	maa Nucleer Ste	tion, 7800 Rochester	Highway Canaca	SC 90679
z. Flant. Of	mies ianciesi, ofs	(Name and Address		310E4 VG
3. Plant Uni	t: <u>2</u> 4. Owner	Certificate of Autho	orization (if require	d) <u>N/A</u>
5. Commerci	ial Service Date: §	September 9, 1974	6. National Bo	ard Number for Unit N/
7. Componer	nts Inspected:		4	
Component or Appurtenance	Manufacturer Installer	Manufacturer Installer Serial	State or Province No.	National Board No.
		No.		
	See Se	ction 1.1 in the Attacl	ned Report	
	· · · · · · · · · · · · · · · · · · ·			·
<u> </u>	•			

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 \_209

## FORM NIS-1 (Back)

P and all a Date
8. Examination Dates May 30, 2010 to November 18, 2011
9. Inspection Period Identification: Third Period
10. Inspection Interval Identification: Fourth Interval
11. Applicable Edition of Section XI 1998 Addenda 2000
12. Date/Revision of Inspection Plan: January 26, 2008 / Revision 1
13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.  See Sections 2.0. 3.0 and 6.0
14. Abstract of Results of Examination and Tests. See Sections 4.0 and 6.0
15. Abstract of Corrective Measures. <u>See Subsection 4.3</u>
Certificate of Authorization No. (if applicable) NA Expiration Date NA  Date 1/3D/12 Signed Duke Energy By Carolinas.
Owner
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Sourd Carolus employed by HSB Global
Standards have inspected the components described in this Owner's Report during the period 7/8/2010 to 1/31/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in the Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations, test, and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injuryer property damage or a loss of any kind arising from or connected with this inspection  Commissions  13048  National Board, State, Province, and Endorsements

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

#### **DISTRIBUTION LIST**

- Duke Energy Carolinas
   Corporate Programs and Component Engineering
   Section XI Inspection Program Section
- 2. NRC Document Control Desk

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

GO Nuclear Assurance C/O Bruce Nardoci

Inspection Services (ISI Coordinator)

ANII at Oconee

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#### 1.0 General Information

This report describes the Inservice Inspection of Duke's Oconee Nuclear Station, Unit 2, during Outage 5/EOC 25. This is the first outage in the third inspection period of the Fourth Ten-Year Interval. ASME Section XI, 1998 Edition with the 2000 Addenda, was the governing Code for selection and performance of the ISI examinations.

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

#### 1.1 Identification Numbers

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	N-105
Reactor Vessel Head (replaced head)	Babcock & Wilcox	068S-02	N/A	209
Steam Generator A	Babcock & Wilcox	006K03	N/A	207
Steam Generator B	Babcock & Wilcox	006K04	N/A	208
Pressurizer	Babcock & Wilcox	620-0004-59	N/A	N-106
Main Steam System	Duke Power	NA	NA	NA
Auxiliary Steam System	Duke Power .	NA	NA	NA
Feedwater System	Duke Power	NA	NA	NA
Emergency Feedwater System	Duke Power	NA	NA	NA
Steam Generator Flush System	Duke Power	NA	NA	NA
Condensate System	Duke Power	NA	NA	NA

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

#### 1.2 Reference Documents

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

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

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

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

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

Code Case N-665 (Alternative Requirements for Beam Angle Measurements Using Refracted Longitudinal Wave Search Units)

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

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

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

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

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

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

Problem Investigation Program Report O-11-13204 was written to document actions to resolve discrepancies on Summary Number O2.84.30.0001

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

Problem Investigation Program Report O-11-15240. This PIP was written to track the evaluation process and resolution for limited coverage on UT examinations of welds that were inspected during EOC25 for Unit 2. This will include processing relief request if it is determined that greater than ninety percent of coverage cannot be achieved. The welds with limited coverage are listed in Section 4.4 of this report.

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

#### 2.0 Fourth Ten Year Interval Inspection Status

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

#### **Class 1 Inspections**

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	(1) Deferral Allowed
B-A	Pressure Retaining Welds in Reactor Vessel	6 Welds	.5 Weld	8%	Partial
B-B	Pressure Retaining Welds in Vessels Other than Reactor Vessel	10 Welds	6 Welds	60%	No
B-D	Full Penetration Welds of Nozzles in Vessels Inspection Program B	54 Inspections	30 Inspections	56%	Partial
B-F	Pressure Retaining Dissimilar Metal Welds	2 Welds	2 Welds	100%	Partial
B-G-1	Pressure Retaining Bolting Greater than 2 Inches in Diameter	128 Items	125 Items	98%	Yes
B-G-2	Pressure Retaining Bolting 2 Inches and Less in Diameter	20 Items	17 Items	85%	No .
B-J	Pressure Retaining Welds in Piping	138 Welds	116 Welds	84%	No
B-K	Welded Attachments for Vessels, Piping, Pumps and Valves	11	11	100%	No

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

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

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	(1) Deferral Allowed
B-L-1	Pressure Retaining Welds in Pump Casings	1 Weld	1 Weld	100%	Yes
B-L-2	Pump Casings	1 Casing	0 Casing	0%	Yes
B-M-1	Pressure Retaining Welds in Valve Bodies	1 Valve Body Weld	1 Valve Body Weld	100%	Yes
B-M-2	Valve Bodies	3 Valves	1 Valves	33%	Yes
B-N-1	Interior of Reactor Vessel	3 Inspections	2 Inspection	67%	No
B-N-2	Welded Core Support Structures and Interior Attachments to Reactor Vessels	3 Inspections	0 Inspections	0%	Yes
B-N-3	Removable Core Support Structures	1 Inspection	0 Inspections	0%	Yes
B-0	Pressure Retaining Welds in Control Rod Housings	12 Housing Welds	8 Housing Welds	67%	Yes
В-Р	All Pressure Retaining Components	REFERE	NCE SECTION	6.0 OF THIS R	EPORT
B-Q	Steam Generator Tubing	N/A	N/A	N/A	N/A
F-A F1.10 & F1.40 items.	Class 1 Component Supports (Except Snubbers)	37 Supports	31 Supports	84%	No
F-A F1.50 items.	Class 1 Component Supports, Snubbers				(2)

#### Weld Overlay per Section XI Appendix Q

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed
Q-A	Q1.1 items Weld Overlay	2	2	100%

<sup>(1)</sup> 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%
С-В	Pressure Retaining Nozzle Welds in Vessels	4 Welds	4 Welds	100%
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	40 Attachments	37 Attachments	93%
C-D	Pressure Retaining Bolting Greater Than 2 Inches in Diameter	2 Items	1 items	50%
C-F-1	Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping	151 Welds	130 Welds	86%
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	62 Welds	52 Welds	84%
C-G	Pressure Retaining Welds in Pumps and Valves	N/A	N/A	N/A
C-H	All Pressure Retaining Components	REFERENCE	SECTION 6.0	OF THIS REPORT
F-A F1.20 & F1.40 items.	Class 2 Component Supports (Except Snubbers)	140 Supports	117 Supports	84%
F-A F1.50 items	Class 2 Component Supports, Snubbers			(1)

<sup>(1)</sup> Inspected under Selected License Commitment 16.9.18 per Relief Request 03-006.

## Augmented/Elective Inspections

Summary Number	Description	Percentage Complete
O2.B4.30	Head with Nozzles and Partial Penetration Welds, Bare Metal Visual per Code Case N-729-1	100% of EOC 25 Requirements
O2.B4.40	Head with nozzles and Partial Penetration Welds, Volumetric/Surface exam per Code Case N-729-1	None scheduled for EOC 25
O2.B15.80	Reactor Vessel Bottom Head Bare Metal Visual per Code Case N-722	None scheduled for EOC 25
O2.B15.210	Hot Leg Full Penetration Weld, Bare Metal Visual per Code Case N-722	100% of EOC 25 Requirements
O2.B15.215	Cold Leg Full Penetration Weld, Bare Metal Visual per Code Case N-722	100% of EOC 25 Requirements
O2.G1.1	Reactor Coolant Pump Flywheel	None scheduled for EOC 25
O2.G2.1	HPI Nozzle Safe End Examinations	None scheduled for EOC 25
O2.G3.1	Pressurizer Surge Line Examinations	100% of EOC 25 Requirements
O2.G4.1	Thermal Stress Piping (NRC Bulletin 88-08)	100% of EOC 25 Requirements
O2.G12.1	UT Examination per MRP-139	None scheduled for EOC 25
O2.G12.2	UT Examination per MRP-139	None scheduled for EOC 25
O2.G14.1	VT MRP-139	100% of EOC-25 Requirements
O2.G16.1	UT Examination per MRP-146	None scheduled for EOC 25
O2.H2.1	Class 1 RTE Mounting Bosses	100% of EOC 25 Requirements
O2.H3.1	Main Feedwater Piping in the East and West Penetration Rooms per QA-513J (ER-ONS-04-03)	100% of EOC 25 Requirements
O2.H4.1	Main Feedwater and Main Steam Piping Supports and Attachment Welds per QA-513J (ER-ONS-04-05)	100% of EOC 25 Requirements
O2.H5.1	East Penetration Main Feedwater piping welds and attachments	None scheduled for EOC 25
O2.H6.1	Main Feedwater rupture restraint attachment welds	None scheduled for EOC 25

#### 3.0 Final Inservice Inspection Plan

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

#### DUKE ENERGY NUCLEAR TECHNICAL SERVICES

#### ScheduleWorks

# Inservice Inspection Database Management System Plan Report

Oconee 2, 4th Interval, Outage 5 (EOC-25)

This report includes all changes through addendum ONS2-119

Summary Num	Component I Class / Syste		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug			· .						
O2.B15:210.0001	2RC-278-66								
	Class 1 50	2RC-278	NDE-68	VT-2	CS-inconel		0.250 / 1.000		•
i		OM 1201-1469							•
Dissimilar		OM 1201-1472							
			Pipe to Safe I	End					• •
		•	Leg. (Examine the Per the requir Code Case N Bare Metal Vi Case N-722. Personnel per four hours of a corrosion of a Procedure NE This B15.210	Nozzle to 5 ements of - -722 subject sual Inspect forming the additional tri djacent ferri E 68, Acceitem is to b	Sate-End weld a 10 CFR 50.55a at to the condition at the condition by VT-2 qualities a visual examination of detect at the composition of the condition of the	and the Safe- (g) (6) (ii) (E ons specified alified inspe- ation shall be ion of borate onents. is "no evider ch refueling of	End to Pipe weld, all licensees of in paragraphs (gotor per the required as VT-ad water leakage ince of borated woutage.	d.) f PWRs shall augmen g) (6) (ii) (E) 2 through irements of applicable 2 visual examiners at from alloy 600/82/182 ater leakage."	ated on piping that branches off of "A" Hot their ISI program implementing ASME 14.  a item numbers listed in Table 1 of Code and shall have completed a minimum of 2 components and the resulting boric acid in, Nuclear Technical Services Division.

	Component II Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0002	2RC-278-70V Class 1 50	2RC-278 OM 1201-1469	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		
Dissimilar		OM 120-1472			•				
			Pipe to Safe 8	End					
	·		Leg. (Examine the Per the requir Code Case N	Nozzie to S ements of 1 722 subject	Safe-End weld a 10 CFR 50.55a at to the condition	nd the Safe (g) (6) (ii) (E ns specified	-End to Pipe wek i), all licensees of d in paragraphs (g	d.) PWRs shall augment g) (6) (ii) (E) 2 through 4	ed on piping that branches off of "A" Hot their ISI program implementing ASME 4. item numbers listed in Table 1 of Code
·			Personnel per four hours of a corrosion of a	additional tr djacent ferr E 68, Acce	aining in detect itic steel compo ptance Criteria	ion of borati nents. is "no evide	ed water leakage ince of borated w	from alloy 600/82/182	d shall have completed a minimum of components and the resulting boric acid
								NDE Services Section,	, Nuclear Technical Services Division.
O2.B15.210.0003	2RC-277-50							NDE Services Section,	Nuclear Technical Services Division.
O2.B15.210.0003		2RC-277						NDE Services Section,	, Nuclear Technical Services Division.
		OM 1201-1469	For additional	information	, contact Chris		he Materials and	NDE Services Section,	
O2.B15.210.0003  Dissimilar			For additional	information	, contact Chris		he Materials and	NDE Services Section,	
		OM 1201-1469	For additional	information VT-2	, contact Chris		he Materials and	NDE Services Section,	
O2.B15.210.0003  Dissimilar		OM 1201-1469	NDE-68 Pipe to Safe E 1 inch HL SB-	information VT-2	cS-Inconel	Cruz from t	0.250 / 1.000		
		OM 1201-1469	Pipe to Safe E  inch HL SB- Leg. (Examine the Per the require Code Case N- Bare Metal Vis Case N-722. Personnel per	vT-2  Ind 166 Pressu Nozzle to Sements of 1 722 subjectional Inspect	cS-Inconel  CS-Inconel  The Tap SE to C  Safe-End weld a  CFR 50.55a  t to the condition  tion by VT-2 qu  visual examina	S Nozzle wond the Safe (g) (6) (ii) (E ns specified inspection shall be	ne Materials and  0.250 / 1.000  eld and SS pipe w -End to Pipe welch, all licensees of blin paragraphs (gotor per the required agualified as VT-	reld. This weld is locate  I.)  PWRs shall augment  ) (6) (ii) (E) 2 through 4  rements of applicable i  2 visual examiners and	ed on piping that branches off of "B" Hot their ISI program implementing ASME 4. Item numbers listed in Table 1 of Code d shall have completed a minimum of
		OM 1201-1469	Pipe to Safe E inch HL SB- Leg. (Examine the Per the require Code Case N- Bare Metal Vis Case N-722. Personnel per four hours of a corrosion of ac Procedure ND	information  VT-2  Ind  166 Pressul  Nozzle to Sements of 1  722 subjectual Inspect  forming the additional traditional tradit	cS-Inconel  The Tap SE to C  Tafe-End weld a 0 CFR 50.55a to the condition by VT-2 quivisual examinations in detection steel compo	S Nozzle wand the Safe g) (6) (ii) (Ens specified alified inspection shall be on of borate nents.	eld and SS pipe welco.), all licensees of lin paragraphs (gotor per the required water leakage once of borated water leakage.	reld. This weld is locate I.) PWRs shall augment ( ) (6) (ii) (E) 2 through 4 rements of applicable i 2 visual examiners and from alloy 600/82/182 o	ed on piping that branches off of "B" Hot their ISI program implementing ASME 4. Item numbers listed in Table 1 of Code

	Component ID Class / System		Procedure Description Comments	insp Req	Material -	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0004	2RC-277-71V								
		2RC-277 OM 1201-1469	NDE-68	VT-2	ÇS-inconel		0.250 / 1.000		-
Dissimilar		OM 120-1472							
	·		Pipe to Safe						
•			Leg. (Examine the Per the require Code Case N Bare Metal Vi Case N-722. Personnel perfour hours of a corrosion of a Procedure NE This B15.210	Nozzle to Sements of 1-722 subject sual Inspect forming the additional traditional traditi	Safe-End weld a 10 CFR 50.55a It to the condition tion by VT-2 que e visual examina aining in detect titic steel compo- ptance Criteria e examined eac	nd the Safe (g) (6) (ii) (lins specifie alified inspiration shall be tion of borationents. is "no evide th refueling	e-End to Pipe weld E), all licensees of d in paragraphs (g ector per the requi pe qualified as VT ed water leakage ence of borated we outage.	d.) PWRs shall augment (b) (6) (ii) (E) 2 through a rements of applicable if visual examiners and from alloy 600/82/182 of ater leakage."	ed on piping that branches off of "B" Hot their ISI program implementing ASME 4. Item numbers listed in Table 1 of Code d shall have completed a minimum of components and the resulting boric acid Nuclear Technical Services Division.
O2.B15.210.0005	2RC-278-23 Class 1 50	2RC-278	NDE-68	· VT-2	CS-Inconel		0.250 / 1.000		-
	Class 1 50	OM 1201-1469	NDE-68	· VT-2	CS-Inconel				-
O2.B15.210.0005  Dissimilar	Class 1 50				CS-Inconel				
	Class 1 50	OM 1201-1469	Pipe to Safe B	End			0.250 / 1.000		 ne the Nozzie to Safe-End weld and the

Summary Num	Component II Class / System		Procedure Description Comments	Insp Red	q Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0006	2RC-278-69 Class 1 50	2RC-278 OM 1201-1469	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		
Dissimilar		OM 120-1472							1
			Pipe to Safe I	End			•		
			Per the requir Code Case N Bare Metal Vi Case N-722. Personnel per four hours of a corrosion of a Procedure NE This B15.210	ements of -722 subje- sual Inspec- forming the additional t djacent fer DE 68, Acci item is to b	10 CFR 50.55a ct to the condition by VT-2 que visual examin raining in detecritic steel competance Criteria e examined ea	(g) (6) (ii) (ii) (ii) (ii) ons specified label inspection shall be tion of borationents.  is "no evident on refueling to the state of	E, all licensees of in paragraphs (elector per the required as VT and water leakage ence of borated woutage.	g) (6) (ii) (E) 2 through 4 irements of applicable in -2 visual examiners and from alloy 600/82/182 of ater leakage.	their ISI program implementing ASME 4.  Item numbers listed in Table 1 of Code d shall have completed a minimum of components and the resulting boric acid Nuclear Technical Services Division.
O2.B15.210.0007	2RC-277-24								
	Class 1 50	2RC-277 OM 1201-1469	NDE-68	VT-2	CS-inconel		0.250 / 1.000		· ••••
Dissimilar		OM 120-1472							
			Pipe to Safe E						
			Safe-End to P Per the require Code Case N- Bare Metal Vis Case N-722. Personnel per four hours of a corrosion of a Procedure ND This B15.210	ipe weld.) ements of 722 subject sual Inspect forming the additional tr djacent ferr E 68, Acce item is to b	This weld is loc 10 CFR 50.55a at to the condition at the condition by VT-2 que e visual examina atining in detect ditic steel composition approaches the composition of the condition at the condition of the con	ated on pipi (g) (6) (ii) (li ons specifie alified inspe ation shall b ion of borat onents. is "no evide ch refueling	ng that branches  E), all licensees of d in paragraphs (g actor per the requ e qualified as VT ed water leakage ance of borated wo outage.	off of "B" Hot Leg. I PWRs shall augment to proceed to the proceed	the the Nozzle to Safe-End weld and the their ISI program implementing ASME. Item numbers listed in Table 1 of Code I shall have completed a minimum of components and the resulting boric acid Nuclear Technical Services Division.

Summary Num  Category Aug	Component II Class / Syster		Procedure Description Comments	insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
O2.B15.210.0008	2RC-277-70							<u> </u>	
Cinning the	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	End					
			Per the require Code Case N-Bare Metal Vis Case N-722. Personnel per four hours of a corrosion of a Procedure ND This B15.210	ements of 1 722 subject sual Inspect forming the additional tr djacent ferr E 68, Acce item is to b	to the condition by VT-2 que visual examina aining in detect itic steel comportance Criteria e examined each	(g) (6) (ii) (fins specified alified inspectation shall be ion of borationents.  is "no evided to refueling the ion of th	E), all licensees of d in paragraphs (good or the requi- e qualified as VT- ed water leakage ence of borated ward outage.	a) (6) (ii) (E) 2 through irements of applicable 2 visual examiners and from alloy 600/82/182 ater leakage.*	their ISI program implementing ASME 4. item numbers listed in Table 1 of Code d shall have completed a minimum of components and the resulting boric acid in Nuclear Technical Services Division.
O2.B15.210.0009	2-PHA-13					······································			
Dissimilar	Class 1 50	ISI-OCN2-005 OM 1201-1469 OM 1201-1472	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		
O ISSII III III			Pipe to Pipe						
			RTE Mounting Hot Leg (Piece Per the require Code Case N- Bare Metal Vis Case N-722. Personnel per four hours of a corrosion of ac Procedure ND This B15.210 i	e 7) to RTE ements of 1 722 subject sual Inspect forming the additional tra diacent ferri E 68, Acceptem is to be	Mounting Bose 0 CFR 50.55a t to the condition tion by VT-2 qualities visual examina aining in detect tic steel comportance Criteria e examined eace	s (piece 12). (g) (6) (ii) (E ns specified alified inspetition shall b on of borate nents. is "no evide th refueling	<ul> <li>i), all licensees of d in paragraphs (g ictor per the requi- e qualified as VT- ed water leakage nce of borated wa outage.</li> </ul>	PWRs shall augment () (6) (ii) (E) 2 through rements of applicable 2 visual examiners and from alloy 600/82/182 ater leakage.*	their ISI program implementing ASME 4. Item numbers listed in Table 1 of Code d shall have completed a minimum of components and the resulting boric acid

Summary Num	Component I Class / Syste		Procedure Description Comments	Insp Reg	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category Aug									
O2.B15.210.0010	2-PHA-14								
•	Class 1 50	ISI-OCN2-005 OM 1201-1469	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		
Dissimilar		OM 1201-1472							
			Pipe to Pipe						
:		·	Hot Leg (Piec Per the requir Code Case N- Bare Metal Vi Case N-722. Personnel per four hours of a corrosion of a Procedure ND This B15.210	e 7) to RTE ements of -722 subject sual Inspect forming the additional to djacent feri DE 68, Acce item is to b	E Mounting Bos 10 CFR 50.55a et to the condition by VT-2 qualities e visual examin raining in detec ritic steel comprephance Criteria e examined ea	s (piece 12) (g) (6) (ll) (l) cons specifie ualified inspiration shall be tion of borat conents. is "no evide ch refueling	E), all licensees of d in paragraphs (rector per the required as VT led water leakage ence of borated word outage.	f PWRs shall augmer g) (6) (ii) (E) 2 through ilrements of applicable -2 visual examiners a from alloy 600/82/18: ater leakage.	nt their ISI program implementing ASME n.4. e item numbers listed in Table 1 of Code nd shall have completed a minimum of 2 components and the resulting boric acid no. Nuclear Technical Services Division.
O2.B15.210.0011	2-PHA-15								
	Class 1 50	ISI-OCN2-005 OM 1201-1469	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		****
Dissimilar		OM 1201-1472							
			Pipe to Pipe						
			Hot Leg (Piece Per the require Code Case N-Bare Metal Vis Case N-722. Personnel per four hours of a corrosion of a Procedure ND This B15.210 in the Procedure ND This	e 7) to RTE ements of -722 subject sual Inspect forming the additional tr djacent ferr E 68, Acce item is to b	Mounting Bos 10 CFR 50.55a at to the condition tion by VT-2 qualition wisual examina- aining in detect titic steef compo- aptance Criteria e examined ear	s (piece 12) (g) (6) (ii) (ii) cons specifies calified inspectation shall be ion of borate conents. is "no evide ch refueling	E), all licensees or d in paragraphs (getor per the require qualified as VT- ed water leakage ence of borated war outage.	I PWRs shall augmen a) (6) (ii) (E) 2 through irements of applicable 2 visual examiners ar from alloy 600/82/182 ater leakage."	of their ISI program implementing ASME 1.4.  a item numbers listed in Table 1 of Code and shall have completed a minimum of 2 components and the resulting boric acid and Nuclear Technical Services Division.

Summary Num	Component I Class / Syste		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0012	2-PHB-13								
	Class 1 50	ISI-OCN2-006	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		
Dissimilar		OM 1201-1469							•
Dissimilar		OM 1201-1472							
			Pipe to Pipe				n 2B Hotleg ( X A)		
			Code Case N Bare Metal Vi Case N-722. Personnel pe four hours of corrosion of a Procedure NE This B15.210	r-722 subject sual Inspect forming the additional tr djacent ferr DE 68, Acce item is to b	et to the condition by VT-2 que visual examina aining in detect itic steel comportance Criteria e examined eac	ns specified alified inspection shall be on of borationents. is "no evident in refueling"	d in paragraphs (gooter per the require qualified as VT- ed water leakage and of the reduction of borated would be contained to the courage.	a) (6) (ii) (E) 2 through 4. irements of applicable ite 2 visual examiners and from alloy 600/82/182 ce ater leakage.	meir ISI program implementing ASME am numbers listed in Table 1 of Code shall have completed a minimum of omponents and the resulting boric acid Nuclear Technical Services Division.
O2.B15.210.0013	2-PHB-14								
	Class 1 50	ISI-OCN2-006	NDE-68	VT-2	CS-Inconel	•	2.875 / 9.000		
		OM 1201-1469					*		
Dissimilar		OM 1201-1472							
			Diag to Diag						
			Pipe to Pipe				28 Hotleg ( Y-Z .		·

Summary Num	Component II Class / System		Procedure Description Comments	insp Red	q Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0014	2-PHB-15								· ·
Diocimilos	Class 1 50	ISI-OCN2-006 OM 1201-1469 OM 1201-1472	NDE-68	VT-2	CS-Inconel		2.875 / 9.000		
Dissimilar		OM 1201-1472	Pipe to Pipe						
				- Boos CB	166 to 600 Dag	unii tatalah au	n 2B Hotleg ( Z-W	f Auto)	
			Per the required Code Case N Bare Metal Vi Case N-722. Personnel perfour hours of corrosion of a Procedure NE	rements of -722 subjectsual Inspect forming the additional to djacent fer DE 68, Accept	ct to the condition by VT-2 que visual examinarianing in detectivities teel composition control of the control	(g) (6) (li) (lons specified inspiration shall be been sha	E), all licensees on the paragraphs (sector per the required as VT led water leakage ence of borated we	g) (6) (ii) (E) 2 through 4. irements of applicable iter -2 visual examiners and si from alloy 600/82/182 cor	eir ISI program implementing ASME m numbers listed in Table 1 of Code hall have completed a minimum of mponents and the resulting boric acid
					pe examined ea n, contact Chris			NDE Services Section, N	uclear Technical Services Division.
O2.B15.210.0015	2SGA-HL-CON	1-36							
	Class 1 50	OM-1201-0103.001	NDE-68	VT-2	CS-Inconel				
		O-ISIN4-100A-2.1							
Dissimilar		OM-1201-1472.001							
			RTE Hot Leg						
			Abandoned R Per the requir Code Case N- Bare Metal Vic Case N-722. Personnel per four hours of a corrosion of a Procedure ND This B15.210	TE Therma ements of r722 subject sual (nspect forming the additional to djacent fern E 68, Acce item is to b	al Well Connecti 10 CFR 50.55a at to the condition at the condition at the condition of the at the condition of the condition of the condition of the at the condition of the condition of the condition of the at the condition of the condition of the condition of the at the condition of the condition of the condition of the at the condition of the condition	ion. (g) (6) (ii) (E ons specifier alified inspectation shall b ion of borationents. Is "no evide the refueling	E), all licensees of d in paragraphs (g ector per the requi- ee qualified as VT- ed water leakage ence of borated wa outage.	PWRs shall augment the place of	of drawing OM-1201-1472.001.  Sir ISI program implementing ASME in numbers listed in Table 1 of Code thall have completed a minimum of imponents and the resulting boric acid suclear Technical Services Division.
			For additional	monnado	i, comact chiis	CIUZ HUHI I	no materiais and	NUL SERVICES SECTION, INC	delear rechinical Services Division.

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.210.0016	2SGB-HL-CON-2	27				•			
Disales he -	C	OM-1201-0103.001 O-ISIN4-100A-2.1	NDE-68	VT-2	CS-Inconel				· · · · · · · · · · · · · · · · · · ·
Dissimilar	C	DM-1201-1472.001	RTE Hot Leg	Thermal W	الما				
O2.B15.215.0005	2-PIA1-7 Class 1 50 IS	SI-OCN2-007	Abandoned R Per the requir Code Case N Bare Metal Vi Case N-722. Personnel per four hours of a corrosion of a Procedure NE This B15.210	TE Therma ements of 1 -722 subject sual Inspect forming the additional tr djacent ferr E 68, Acce item is to b	Il Well Connection CFR 50.55a to the condition by VT-2 qualitation by VT-2 qualitation in detectitic steel compaphance Criteriae examined ea	ion (g) (6) (ii) (bons specified palified inspection shall better the bond of borate the bond of the b	E), all licensees of din paragraphs ( actor per the requested as VT and water leakage ance of borated woutage.	of PWRs shall augmer g) (6) (ii) (E) 2 through irements of applicable -2 visual examiners at from alloy 600/82/182 vater leakage.*	nt their ISI program implementing ASME 14.  a item numbers listed in Table 1 of Code 1.  a shall have completed a minimum of 2 components and the resulting boric acid 1.  n, Nuclear Technical Services Division.
Dissimilar	0	M-1201-966							
Stress Weld			Pipe to Safe E	امما					
			Reactor Coole Per the requir. Code Case N- Bare Metal Vis Case N-722. Personnel per four hours of a corrosion of a Procedure ND This item is to For additional This exam wa	nt Pump 2, aments of 1 722 subject and Inspect forming the additional traffic E 68, Acce be examininformations moved from the property of the	to the condition by VT-2 question by VT-2 question by VT-2 question aining in detectitic steel comportance Criteria ed once per interpretation, contact Christom EOC24 to E	(g) (6) (ii) (E ons specified alified inspe- ation shall b ion of borate onents. is "no evide erval. Cruz from t OC-25 per l	d in paragraphs ( actor per the required as VT ed water leakage ance of borated we the Materials and	f PWRs shall augmen g) (6) (ii) (E) 2 through irements of applicable -2 visual examiners ar from alloy 600/82/182 ater leakage.* NDE Services Section Eaton at Oconee. Chi	It their ISI program implementing ASME 4.  It item numbers listed in Table 1 of Code and shall have completed a minimum of 2 components and the resulting boric acid acid and the resulting boric acid acid acid acid acid acid acid ac

Summary Num	Component ID Class / Systen		Procedure Description Comments	insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.215.0006	2-PIA2-7					·····			
	Class 1 50	ISI-OCN2-008 OM-1201-966	NDE-68	VT-2	SS-CS		2.330 / 33.500		•••
Dissimilar Stress Weld									
			Pipe to Safe I	End					
O2.B15.215.0009	2-PDA1-2		Per the requir Code Case N Bare Metal Vi Case N-722. Personnel per four hours of a corrosion of a Procedure ND This item is to For additional This exam wa	ements of 10 -722 subject sual inspecti rforming the additional tra djacent ferriti DE 68, Accep be examine information, as moved fror	to the condition by VT-2 quivisual examin ining in detection steel compostance Criteria donce per interest to the contact Chrism EOC24 to E	(g) (6) (ii) (ons specified unspecified inspection shall lation of boration on evidence and contents.  is "no eviderval.  Cruz from EOC-25 per	ed in paragraphs (gector per the required as VT- led water leakage ence of borated water the water water water water water water water and waterials and	PWRs shall augment () (6) (ii) (E) 2 through irements of applicable 2 visual examiners and from alloy 600/82/182 ater leakage.* NDE Services Section, Eaton at Oconee. Chris	their ISI program implementing ASME 4, item numbers listed in Table 1 of Code d shall have completed a minimum of components and the resulting boric acid , Nuclear Technical Services Division. s Cruz was in agreement with the
	Class 1 50	ISI-OCN2-011	NDE-68	VT-2	SS-CS		2.330 / 33.500		
Dissimilar Stress Weld		OM-1201-966							
			Safe End to E	lbow					
			Per the requirement Code Case N-Bare Metal Vicase N-722. Personnel per four hours of a corrosion of a Procedure ND This item is to	ements of 10 -722 subject sual Inspection forming the vadditional traid djacent ferriti E 68, Accep	OCFR 50.55a to the condition by VT-2 qui visual examinationing in detection steel compostance Criteria di once per inti	(g) (6) (ii) (lons specified insponding in specified in s	d in paragraphs (g ector per the requi- ne qualified as VT- red water leakage ance of borated wa	PWRs shall augment () (6) (ii) (E) 2 through 4 rements of applicable if 2 visual examiners and from alloy 600/82/182 (ater leakage."	their ISI program implementing ASME 4.  Item numbers listed in Table 1 of Code d shall have completed a minimum of components and the resulting boric acid Nuclear Technical Services Division.

Summary Num	Component II Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B15.215.0010	2-PDA2-2 Class 1 50	ISI-OCN2-012 OM-1201-966	NDE-68	VT-2	SS-CS		2.330 / 33.500		•••
Dissimilar Stress Weld									
			Safe End to E	lbow					
O2.B15.215.0014	2RC-279-19AA		Per the required Code Case N Bare Metal Vi Case N-722. Personnel per four hours of a corrosion of a Procedure NE This item is to For additional This exam wa	rements of 1 -722 subject sual Inspect forming the additional tra djacent ferrii DE 68, Accep be examine information s moved fro	O CFR 50.55a to the condition by VT-2 quinter visual examination in detection tic steel comportance Criteria ad once per intercept contact Chrism EOC24 to E	(g) (6) (ii) ( ns specifie alified insp ation shall ion of bora nents. is "no evid erval. Cruz from OC-25 per	ed in paragraphs (gector per the requi- be qualified as VT- ted water leakage ence of borated wa the Materials and	I PWRs shall augment g) (6) (ii) (E) 2 through irements of applicable -2 visual examiners an from alloy 600/82/182 ater leakage." NDE Services Section Eaton at Oconee. Chri	their ISI program implementing ASME 4. item numbers listed in Table 1 of Code d shall have completed a minimum of components and the resulting boric acid n, Nuclear Technical Services Division. is Cruz was in agreement with the
	Class 1 50	2RC-279 O-ISIN4-100A-2.1	NDE-68	VT-2	SS-Inconel		0.250 / 1.000		<u></u>
Dissimilar Stress Weld									
·			Nozzle to Elb	ow .					
			to Pipe weld.) This weld is to Per the requir Code Case N- Bare Metal Vis Case N-722. Personnel per four hours of a corrosion of a Procedure ND	percent on pigements of 10 722 subject sual Inspectiforming the additional traditional tr	oing that branc 0 CFR 50.55a to the condition ion by VT-2 quality visual examina ining in detect ic steel compo	nes off of F (g) (6) (ii) (ins specified alified inspiration shall be on of boral nents. s *no evide	Pump 2B1 Suction E), all licensees of d in paragraphs (g ector per the requi	Piping. PWRs shall augment () (6) (ii) (E) 2 through a rements of applicable 2 visual examiners and from alloy 600/82/182	their ISI program implementing ASME 4. item numbers listed in Table 1 of Code d shall have completed a minimum of components and the resulting boric acid

Summary Num	Component IE Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug		<u> </u>							
O2.B15.215.0015	2RC-279-20								
	Class 1 50	2RC-279 O-ISIN4-100A-2.1	NDE-68	VT-2	SS-Inconel		0.250 / 1.000		••
Dissimilar Stress Weld									
			Nozzle to Elbo	w					
,			to Pipe weld.)		•		weld & SS pipe we Pump 2B2 Suction	,	to Safe-End weld and the Safe-End
			Per the require Code Case N- Bare Metal Vis	ements of 1 722 subjec	O CFR 50.55a It to the condition	(g) (6) (il) (E ons specifie	E), all licensees of d in paragraphs (g	l PWRs shall augment th g) (6) (ii) (E) 2 through 4.	eir ISI program implementing ASME em numbers listed in Table 1 of Code
•									shall have completed a minimum of omponents and the resulting boric acid
			corrosion of ac Procedure ND This item is to	tjacent ferr E 68, Acce be examin	itic steel compo ptance Criteria ed once per int	nents. is "no evide erval.	ence of borated w	ater leakage."	Auclear Technical Services Division.
O2.B15.215.0016	2-PIA1-11		TO AGGINOTIAL	inomato.	, comact crisio		TO MAIONAID AND	1100 000, 1100, 11	Tools not be a second of the s
02.510.210.0010	Class 1 50	ISI-OCN2-007 B&W146823E	NDE-68	VT-2	SS-Inconel		0.816 / 3.500		
Dissimilar Stress Weld									
			Nozzle to Safe	End					
		·	Per the require Code Case N-1 Bare Metal Vis Case N-722. Personnel perf four hours of a	ements of 1 722 subject ual Inspect forming the dditional tra	O CFR 50.55a t to the condition tion by VT-2 qu visual examina aining in detecti	(g) (6) (ii) (E ns specified alified inspe tion shall b on of borate	d in paragraphs (g ector per the requi e qualified as VT-	PWRs shall augment the p (6) (ii) (E) 2 through 4. rements of applicable ite 2 visual examiners and s	eir ISI program implementing ASME m numbers listed in Table 1 of Code shall have completed a minimum of mponents and the resulting boric acid
			corrosion of ad					ntor lookeen #	
;			This item is to	be examine	ed once per inte	erval.	ence of borated wa the Materials and i	,	luclear Technical Services Division.

Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS <sub>.</sub>	Cal Blocks	Component ID 2
Category Aug					· · · · · · · · · · · · · · · · · · ·				
O2.B15.215.0017	2-50-7-29 Class 1 50	2-50-7 (1) O-ISIN4-100A-2.1	NDE-68	VT-2	SS-Inconel		0.281 / 1.500		
Dissimilar Stress Weld		C (CHAVE TOUR Z.)							
			Nozzle to Elbe	ow					
			Per the requir Code Case N Bare Metal Vi Case N-722. Personnel per four hours of a corrosion of a Procedure ND This item is to	ements of -722 subject sual Inspect forming the additional to djacent fero DE 68, Acces be examin	et to the condition by VT-2 que visual examin raining in detection steel competance Criteria and once per in	(g) (6) (ii) (li ons specifie palified inspectation shall be tion of borat onents. is "no evide erval.	d in paragraphs ( ector per the requ re qualified as VT ed water leakage ence of borated w	g) (6) (ii) (E) 2 through irements of applicable -2 visual examiners a from alloy 600/82/18/ ater leakage."	nt their ISI program implementing ASME h 4. e item numbers listed in Table 1 of Code and shall have completed a minimum of 2 components and the resulting boric acid an, Nuclear Technical Services Division.
O2.B15.215.0018 ·	2-PIA2-11 Class 1 50	ISI-OCN2-008 B&W146823E	NDE-68	VT-2	SS-Inconel		0.816 / 3.500		
Dissimilar Stress Weld									•
		•	Nozzie to Safe	e End					•
			Per the require Code Case N-Bare Metal Vis Case N-722. Personnel per four hours of a corrosion of active Code This item is to	ements of 1 722 subject sual Inspect forming the additional tr djacent ferr E 68, Acce be examin	to CFR 50.55a at to the condition tion by VT-2 que e visual examin aining in detect itic steel compu- ptance Criteria ed once per inter	(g) (6) (ii) (E ons specified adified inspectation shall be ion of borate onents. is "no evide erval.	d in paragraphs (gettor per the require qualified as VT and water leakage ance of borated water leakage and leakag	f PWRs shall augments) (6) (ii) (E) 2 through irements of applicable 2 visual examiners at from alloy 600/82/182 ater leakage.*	nt their ISI program implementing ASME 14. e item numbers listed in Table 1 of Code and shall have completed a minimum of 2 components and the resulting boric acid and Nuclear Technical Services Division.

Summary Num	Component ( Class / Syste		Procedure Description Comments	Insp Req	Material .	Sched	Thick/NPS	Cal Blocks		Componen	et ID 2
Category Aug										·	
O2.B15.215.0019	2-50-7-14										
•	Class 1 50	2-50-7 (1) O-ISIN4-100A-2.1	NDE-68	VT-2	SS-Inconel	(	0.281 / 1.500				****
Dissimilar Stress Weld								•	•		
			Nozzie to Elb	юw						•	
			Code Case N Bare Metal V Case N-722. Personnel per four hours of corrosion of a Procedure NI This item is to	I-722 subjectisual Inspectional Inspectional Inspectional Inspectional Insulational Insulationalisticational Insulational Insulational Insulational Insulational	et to the condition etion by VT-2 qua- e visual examinal raining in detection itic steel compo- aptance Criteria i- led once per inte	is specified in lified inspecti ion shall be con on of borated tents. Is "no evidence val.	n paragraphs (gor per the required as VT- water leakage as of borated wa	) (6) (ii) (E) 2 through the control of applica 2 visual examiners from alloy 600/82/sater leakage."	igh 4. ble item numbers and shall have co 182 components a	am implementing Allisted in Table 1 of 0 completed a minimum and the resulting bor anical Services Divis	Code n of ic acid
O2.B15.215.0024	2-PIA1-12										
<b></b>	Class 1 50	ISI-OCN2-007 OM-1201-1521	NDE-68	VT-2	CS-Inconel	. 2	2.250 / 8.750				••••
Dissimilar								*			
			Nozzle to Pip	9							
			OYC Manualia	- D D- C	8 to Pipe Pc.56						

Summary Num	Component I Class / Syste		Procedure Description Comments	insp Red	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Aug									
O2.B4.30.0001	2-RPV-HEAD	-PEN							
	Class 1 50	OM-201-2271 O-ISIN4-100A-2.1	NDE-70	VT-2	CS/Alloy 690		0.000 / 0.000	•	<del></del>
Dissimilar									
			direct visual e of the intersec conditions for evidence of nc Acceptance C On 12-18-200 replace the ex On 5-11-2010	xamination tion of each the purpos ozzle leaka riteria sper 8 Rachel Da cams requi	n of the bare-meth nozzle with these of the Visual ige. Cified in ASME Closs submitted Cred by NRC-Ordinss submitted Quess submitted Quest question in the part of	al surface of the head. For Examination to the Case NA-513J for EA-03-00 A-513J form	of the entire outer coverage require ns shall include a N-729-1, subject m ER-ONS-09-0 99 (Summary Num n ER-ONS-10-03	r surface of the reactor verments see Figure 1 of (areas of corrosion, boric to the conditions in 10Cl 2 to schedule these augment of 02.G11.1.0002).	5a (g) (6) (ii) (D) (2) through (6), a ressel head, including essentially 100% Code Case N-729-1. Relevant acid deposits, discoloration, and other FR50.55a (g) (6) (ii) (D) (2) through (6), mented exams. These exams will to begin the exams in 2EOC-25.
O2.G14.1.0001	2-PZR-THERM	<u> </u>							
	Class 1 50		NDE-68	VT-2	CS-Inconel		0.250 / 1.000		G14.001.001
Circumferential		OM 1201-1135							
Dissimilar		OM 100-1189							
			Nozzle to Elbo	w					
			1.5 inch Thermowell located on the Pressurizer. Augmented Inspection Per Oconee Response to BL-2004-01. Contact Jody Shuping for additional information on this Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance evidence of borated water leakage.						
O2.G3.1.0001	2-PSL-11								
	Class 1 50	ISI-OCN2-015	NDE-35	PT	ss		0.250 / 1.000		G03.001.001
Circumferential		2-50-12							
Stress Weld		O-ISIN4-100A-2.2						•	
•			Drain Nozzle to	•					
			Reference Sec	ction 7 of th	ne ISI Plan, Gen	eral Require	ements.		

Componenet ID 2	Cal Blocks	Thick/NPS	Sched	Material	Insp Req	Procedure Description		Component ID Class / System	Summary Num
						Comments			
		`.							Category Aug
							·	2-PSL-133	O2.G3.1:0002
G03.001.00	40354	1.000 / 10.000		SS	UT	PDI-UT-2	ISI-OCN2-015		•
	PDI-UT-2A-O PDI-UT-2-O	•					2-50-12	•	
	PDI-01-2-0	•							•
							O-ISIN4-100A-2.2		
tion # OSC 1522). Reference	oow (Data Point # 133/Calculation a	nidpoint of the elb	uirements.	eneral Requi	iSi Plan, G	Examine 3" ba Section 7 of th Elbow (pc.80)			
								2-PSL-142	O2.G3.1.0003
G03.001.00	40354	1.000 / 10.000		SS	υ <b>τ</b>	PDI-UT-2	ISI-OCN2-015	Class 1 50	,
	PDI-UT-2A-O						2-50-12		
	PDI-UT-2-O		-						
		•	•				O-ISIN4-100A-2.2	,	
sting # OSC 1522) Reference	bow (Data Point # 142/Calculation	midpoint of the all	orence at the	iro circumfor	nd of the ent	Evamine 3" ha	O TOMAT TOUR ELE		
1001 # 000 1022). Nelstence	COW (Sala 1 Gill # 142 Galcolation	mapoint of the en	uirements.	eneral Requi	ISI Plan, Ge	Section 7of the Elbow (pc.80)			
,		•						2RC-202-4	O2.G4.1.0008
G04.001.01	·	0.375 / 2.500		SS	RT	NDE-12		Class 1 51A	
					•		O-ISIN4-101A-2.4	•	Circumferential
•				P-153	to Valve 2H	Valve 2HP-48			
	Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the as access permits.  Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld								
	ds and area of coverage for this ite								
					•			2RC-202-4	O2.G4.1.0008
G04.001.01	Component	0.375 / 2.500		SS	UT	NDE-995		Class 1 51A	
	40378						D-ISIN4-101A-2.4	(	0:
	•		* -	. '					Circumferential
							•		
				P-153	to Valve 2H	Valve 2HP-488			
netal on each side of the weld	d and half of an inch of base metal	al scan of the weld	circumferentia		NDE-995 to	Valve 2HP-488 Use Procedure as access per			

	Component IE Class / Systen		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Con	ponenet ID 2
Category Aug		<u> </u>								
O2.G4.1.0009	2RC-203-4		<u> </u>							
	Class 1 51A	2RC-203	NDE-12	RT	SS		0.375 / 2.500			G04.001.01
Circumferential		O-ISIN4-101A-2.4		•				•		
			Valve 2HP-48	6 to Valve 2H	HP-126					
			as access per Use procedure	mits. NDE-12 to	perform RT o	n 100% of the	weld and a qu	Id and half of an inch of I arter of an inch of base r ods and area of coverage	metal on each side of the	
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		G04.001.014
Circumferential		0 10114-1017/ 2.4								
		•	Valve 2HP-48	6 to Valve 2h	IP-126					
,			as access per Use procedure	mits. NDE-12 to	perform RT o	n 100% of the	weld and a qu	d and half of an inch of tarter of an inch of base reds and area of coverage	netal on each side of the	
O2.G4,1,0010	2RC-204-4									
Circumferential	Class 1 51A	2RC-204 O-ISIN4-101A-2.4	NDE-12	RT	SS	•	0.375 / 2.500		*	G04.001.015
			Valve 2HP-48	7 to Valve 2H	IP-127					
			Use Procedure as access pen Use procedure	NDE-995 to mits. NDE-12 to p	perform a ci	100% of the	weld and a qui	d and half of an inch of base n ds and area of coverage	netal on each side of the	
		<del></del>			J# _ 1					
O2.G4.1.0010	2RC-204-4									
O2.G4.1.0010	Class 1 51A		NDE-995	UT	SS	(	0.375 / 2.500	Component 40378		G04.001.015
O2.G4.1.0010 Circumferential	Class 1 51A	2RC-204 O-ISIN4-101A-2.4	NDE-995	UT	SS	(	0.375 / 2.500	Component 40378		G04.001.015
	Class 1 51A		NDE-995 Valve 2HP-487		 «	(	0.375 / 2.500	•		G04.001.015
	Class 1 51A		Valve 2HP-487 Use Procedure as access perr Use procedure	7 to Valve 2H NDE-995 to nits. NDE-12 to p	P-127 perform a cir	cumferential s	scan of the wel	•	netal on each side of the	of the weld

Summary Num	Component ID		Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
,	Class / Syster		Description Comments						
Category Aug									
O2.G4.1.0011	2RC-205-4								
	Class 1 51A	2RC-205	NDE-12	RT	SS		0.375 / 2.500		G04.001.016
Circumferential		O-ISIN4-101A-2.4						,	•
,			Valve 2HP-48	9 to Valve 2	HP-152				
·			as access per Use procedure	mits. e NDE-12 to	perform RT o	n 100% of t	he weld and a qu		se metal on each side of the weld tal on each side of the weld, r this item number.
O2,G4.1.0011	2RC-205-4				··-·				
		2RC-205	NDE-995	UT ·	SS		0.375 / 2.500	Component	G04.001.016
•		O-ISIN4-101A-2.4						40378	
Circumferential									•
			Valve 2HP-48	9 to Valve 2H	IP-152				
			Use Procedure	e NDE-995 to	perform a ci	ircumferenti	al scan of the we	ld and half of an inch of bas	se metal on each side of the weld
			as access per		DT -	- 4000/ -44			4-1
								arter of an inch of base me ods and area of coverage for	tal on each side of the weld. r this item number.
Category B-D									
O2.B3.110.0004	2-PZR-WP33-2	2	<del></del>						
	Class 1 50	ISI-OCN2-002	NDE-820	UT	CS		4.750 / NA	40394	B03,110.004
Circumferential		OM-1201-456							
•		OM-12011526							
•			Nozzle to Hea	d					
			For this compo	onent inspect the actual po	tion, a 35 deg sition of the I	ree angle bi	using the limitation	d in place of the 60 degree a	angle for the full volume area of focumented. This will be required
								NA, since dimension not ne	eded for nozzie to shell.

Summary Num	Component II Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-D									
O2.B3.110.0004	2-PZR-WP33-	5							
: Circumferential	Class 1 50	ISI-OCN2-002 OM-1201-456 OM-12011526	NDE-640	UT	CS		4.750 / NA	40394	B03.110.004
			Nozzle to Hea	ad .					
			For this comp interest. Also, in order to acc	onent inspec the actual popurately calcu	tion, a 35 dec osition of the perc	pree angle be lifting tug car ent of covera	using the limitati ige.	ed in place of the 60 d ion needs to be verifie	egree angle for the full volume area of and documented. This will be required not needed for nozzle to shell.
O2.B3.120.0009	2-PZR-WP26-								
	Class 1 50	ISI-OCN2-002	NDE-680	UT	CS		6.187 / NA	40338	B03.120.009
		OM-1201-456						50237E	
		OM-12011527							
			Nozzle to She	dl .					
								Quadrant. (Inside Ra NA, since dimension	adius Section) is not needed for nozzle to shell.
Q2.B3.120.0011	2-PZR-WP26-3	)							
	Class 1 50	ISI-OCN2-002 OM-1201-456	NDE-680	UT	CS		6.187 / NA	40338 50237E	B03.120.011
		OM-12011527				•			
•			Nozzle to She	H	•				
									ees off W-Axis. (Inside Radius Section) is not needed for nozzle to shell.
Category B-G-1									
Q2.B6.10.0041	2-RPV-26-204-	41							
	Class 1 50	ОМ-1201-4 B&W152009E ОМ 1201-1538	NDE-62	VT-1	CS		1.300 / 9.250		B06.010.041
			Reactor Vesse	al Closure Nu	t Pc. 26.				

Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-G-1			<u> </u>						
O2.B6.10.0042	2-RPV-26-204	-42							
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	cs		1.300 / 9.250		B06.010.042
			Reactor Vess	el Closure Nu	it Pc. 26.				
O2.B6.10.0043	2-RPV-26-204	43							
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	CS		1.300 / 9.250		B06.010.043
			Reactor Vess	el Closure Nu	it Pc. 26.				
O2.B6.10.0044	2-RPV-26-204-	44							
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	CS		1.300 / 9.250		B06.010.044
			Reactor Vess	el Closure Nu	t Pc. 26.				
O2.B6.10.0045	2-RPV-26-204-	45							
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	CS		1.300 / 9.250		B06.010.045
			Reactor Vess	el Closure Nu	t Pc. 26.				
O2.B6.10.0046	2-RPV-26-204-	46							
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	CS		1.300 / 9.250		B06.010.046
		0147 1201-1000	Reactor Vessi	el Closure Nu	1 Pc. 26.				
O2.B6.10.0047	2-RPV-26-204-	<u> </u>							
02.00.70.0047	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	cs		1.300 / 9.250	· ·	B06.010.047
			Reactor Vesse	el Closure Nu	Pc. 26.				
O2.B6.10.0048	2-RPV-26-204-	63							
3.33,,000,0	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	CS		1.300 / 9.250		B06.010.048
			Reactor Vesse	el Closure Nu	Pc. 26.				
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Summary Num	Component I Class / Syste		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Cod	mponenet ID 2
Category B-G-1	•									
O2.B6.10.0049	2-RPV-26-204	I-65				<del></del>				
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	. NDE-62	<b>V</b> T-1	CS		1.300 / 9.250			B06.010.049
			Reactor Vess	el Closure Nu	ut Pc. 26.					
O2.B6.10.0050	2-RPV-26-204	-50								
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	cs		1.300 / 9.250			B06.010.050
			Reactor Vess	el Closure Nu	it Pc. 26.					
O2.B6.10.0051	2-RPV-26-204	·51								
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	CS		1.300 / 9.250			B06.010.051
			Reactor Vess	el Closure Nu	ıt Pc. 26.					
O2.B6.10.0052	2-RPV-26-204 Class 1 50	-52 OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	cs		1.300 / 9.250			B06.010.052
			Reactor Vess	el Closure Nu	ıt Pc. 26.					
O2.B6.10.0053	2-RPV-26-204	.63	7.000.01	0.000.011		<del></del>				<del></del>
02.50.10.0000	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	· VT-1	CS		1.300 / 9.250			B06.010.053
			Reactor Vess	el Closure Nu	t Pc. 26.		c			
O2.B6.10.0054	2-RPV-26-204-	-54								
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	cs		1.300 / 9.250		·	B06.010.054
_			Reactor Vess	el Closure Nu	t Pc. 26.				_	
O2.B6.10.0055	2-RPV-26-204-	-55								
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	CS		1.300 / 9.250			B06.010.055
			Reactor Vesse	el Closure Nu	t Pc. 26.					
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Summary Num	Component I Class / Syste		s Procedure  Description  Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-G-1			•						
O2.B6.10.0056	· 2-RPV-26-204	I-56							
• •	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	CS		1.300 / 9.250		B06.010.056
			Reactor Vess	el Closure Nu	ut Pc. 26.				
O2.B6.10.0057	2-RPV-26-204	I-57							
· .	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	CS		1.300 / 9.250		B06.010.057
			Reactor Vess	el Closure Nu	ıt Pc. 26.				
O2.B6.10.0058	2-RPV-26-204	-58		<del></del>					
•	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	CS		1.300 / 9:250		B06.010.058
			Reactor Vess	el Closure Nu	ıt Pc. 26.				
O2.B6.10.0059	2-RPV-26-204 Class 1 50	-59 OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	cs		1.300 / 9.250		B06.010.059
			Reactor Vess	el Closure Nu	ıt Pc. 26.				
O2.B6.10.0060	2-RPV-26-204	-60							
	Class 1 50	OM-1201-4 B&W152009E OM 1201-1538	NDE-62	VT-1	cs		1.300 / 9.250		B06.010.060
			Reactor Vess	el Closure Nu	ıt Pc. 26.	······································			
O2.B6.200.0001	2-RCP-2A1-NU	JTS							
	Class 1 50	OM-1201.D-0057 O-ISIN4-100A-2.1	NDE-62	VT-1	CS		0.000 / 0.000		B06.200.001

Reactor Coolant Pump 2A1 Main Flange. 20 Nuts, Bushings, and Washers. Inspect main flange nuts, bushings and washers on one reactor coolant pump only.

Summary Num  Category B-G-1	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Bloc	ks Co	mponenet ID 2
O2.B6.30.0041	2-RPV-25-204-									<del>-</del>
	Class 1 50	OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	<b>υτ</b> .	CS		6.500 / NA	40420		B06.030.04
			Reactor Vess	el Closure St	uđ Pc. 25 - R	emoved. St	ud Length = 63.	.250.		
O2.B6.30.0042	2-RPV-25-204-	42	<u> </u>	· · · · · · · · · · · · · · · · · · ·						
	Class 1 50	OM-2012938 B&W152009E OM 1201-153B	PDI-UT-5	υt	CS		6.500 / NA	40420		B06.030.042
			Reactor Vesse	el Closure St	ud Pc. 25 - R	emoved. St	ud Length = 63.	250.		
O2.B6.30.0043	2-RPV-25-204-	43								
	Class 1 50	OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	υT	cs		6.500 / NA	40420		B06.030.043
			Reactor Vesse	el Closure St	ud Pc. 25 - R	emoved. St	ud Length = 63.	250.		
O2.B6.30.0044	2-RPV-25-204-	44						,		
	Class 1 50	OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	UT	cs		6.500 / NA	40420		B06.030.044
			Reactor Vesse	el Closure St	ud Pc. 25 - Re	emoved. Stu	ud Length = 63.	250.		
O2.B6.30.0045	2-RPV-25-204-	45								
	Class 1 50	OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420		B06.030.045
•			Reactor Vesse	el Closure Sti	ud Pc. 25 - Re	emoved. Stu	ud Length = 63.	250.		
O2.B6.30.0046	2-RPV-25-204-	46								
	Class 1 50	OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	υτ	CS		6.500 / NA	40420		B06.030.046
			Reactor Vesse	ol Closure Stu	id Pc. 25 - Re	emoved. Stu	ud Length = 63.	250.		
O2.B6.30.0047	2-RPV-25-204-	47				<u></u>				
	Class 1 50	OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420		B06.030.047
			Reactor Vesse	el Closure Stu	d Pc. 25 - Re	emoved. Stu	ud Length = 63.2	250.		
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Summary Num  Category B-G-1	Component II Class / Syster		Procedure Description Comments	insp Req	Material	Sched	Thick/NPS	Cal Bloc	ks Co	mponenet ID 2
	0.0004.05.004	40					<u></u>			
O2.B6.30.0048	2-RPV-25-204- Class 1 50	-48 OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	UΤ	cs		6.500 / NA	40420		B06.030.04
			Reactor Vess	el Closure St	ud Pc. 25 - R	emoved. St	ud Length = 63.	.250.		
O2.B6,30.0049	2-RPV-25-204-	-49								
	Class 1 50	OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420		806.030.04
			Reactor Vess	el Closure St	ud Pc. 25 - Re	emoved. Sti	d Length = 63.	.250.		
O2.B6.30.0050	2-RPV-25-204-	-50								
	Class 1 50	OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	υτ	cs		6.500 / NA	40420		B06.030.050
			Reactor Vess	el Closure St	ud Pc. 25 - Re	emoved. Stu	ıd Length = 63.	.250.	·	
O2.B6.30.0051	2-RPV-25-204-	51								
•	Class 1 50	OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420		B06.030.051
			Reactor Vess	el Closure St	ud Pc. 25 - Re	emoved. Stu	id Length = 63.	250.		
O2.86.30.0052	2-RPV-25-204- Class 1 50	52 OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	UT	cs		6.500 / NA	40420		B06.030.052
			Reactor Vess	el Closure Sti	ud Pc. 25 - Re	emoved. Stu	ıd Length = 63.	250.		
O2.B6.30.0053	2-RPV-25-204- Class 1 50	OM-2012938 B&W152009E	PDI-UT-5	UT	cs		6.500 / NA	40420		B06.030.053
		OM 1201-1538	Danetas Vanas	al Classes St	ud Do OE Do	maund Ctu	id Loodb – 69 :	250		
00.00.0054	0.000		neactor vessi	ai Closure St	10 PC. 25 - NE	anoveu. Stu	d Length = 63.	230.		<del></del>
O2.B6.30.0054	2-RPV-25-204- Class 1 50	54 OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	UT	cs		6.500 / NA	40420		B06.030.054
			Reactor Vesse	el Closure Stu			d Length = 63.	250.		
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Summary Num	Component I Class / Syste		Procedure Description Comments	însp Req	Material	Sched	Thick/NPS	Cal Bloc	ks Co	mponenet ID 2
Category B-G-1									· .	
O2.B6.30.0055	2-RPV-25-204	<u>-</u> 4-55		<del>i</del>						
	Class 1 50	OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	UT	CS		6.500 / NA	40420		B06.030.055
		_	Reactor Vess	sel Closure St	ud Pc. 25 - R	emoved. St	ud Length = 63.	.250.		
O2.B6.30.0056	2-RPV-25-204	<b>4-</b> 56				<u>-</u>				
•	Class 1 50	OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	UT .	CS		6.500 / NA	40420		B06.030.056
			Reactor Vess	el Closure St	ud Pc. 25 - Re	emoved. Sto	ud Length = 63.	250.		
O2.B6.30.0057	2-RPV-25-204	I-57								
	Class 1 50	OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	UŤ	CS		6.500 / NA	40420		B06.030.057
·			Reactor Vess	el Closure St	ud Pc. 25 - Re	emoved. Stu	ud Length = 63.	250.		
O2.B6.30.0058	2-RPV-25-204 Class 1 50	OM-2012938 B&W152009E	PDI-UT-5	UΤ	cs		6.500 / NA	40420		B06.030.058
		OM 1201-1538								-
			Reactor Vess	el Closure St	ud Pc. 25 - Re	emoved. Stu	ud Length = 63.	250.		
O2.B6.30.0059	2-RPV-25-204 Class 1 50	I-59 OM-2012938 B&W152009E OM 1201-1538	PDI-UT-5	UŤ	cs		6.500 / NA	40420		B06.030.059
		OM 1201-1538	Danatas V	-1 <b>0</b> 1 04	.d D4 05 D4		و ۱ مسمد الس	050		
	0.000		Heactor vess	ei Closure Sit	JU PC. 25 - NE	emoved. Sit	ud Length = 63.	250.		
O2.B6.30.0060	2-RPV-25-204 Class 1 50	-60 OM-2012938 B&W152009E	PDI-UT-5	UΤ	cs		6.500 / NA	40420		B06.030.060
		OM 1201-1538								
	·		Reactor Vessi	el Closure Stu	ud Pc. 25 - Re	moved. Stu	d Length = 63.	250.		
O2.B6.50.0003	2-RPV-WASH- Class 1 50	-BUSH B&W152009E OM 1201-1538	NDE-62	VT-1	CS		0.000 / 9.750			B06.050.003
Drintod 01/04/19 adopt	A1 06/19/00		Reactor Vessi	el Closure Wa		ishings. Stud 4 <i>Cat "C"</i>	d Holes 41 thru	60.	Oconee 2 1/24/2012 7:33:13 AM	Page 25 of 70
Printed 01/24/12 gds58	941 V. UO/18/09	1			อมนูก	4 CSI C			Occurred & 1/24/2012 /:33:13 AM	-aye 25 01 /0

Summary Num	Component IC Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	. Cal Blocks	Component ID 2
Category B-G-1	-								
Category B-G-2									
O2.B7.50.0002	2-PZR-RC66-S	TUDS							
	Class 1 50	OM-1201-1526 B&W149762E	NDE-62	VT-1	cs		1.125 / NA	•	B07.050.002
		•	Pressurizer F and nuts.	telief Valve 2I	RC-66 Inlet F	ange Bolting	j. W-Z Quadrant	. 8 Studs and 16 Nuts, Length = 8.750*	. Examine all studs
O2.B7.70.0007	2-53A-LP177-S	TUDS							
	Class 1 53A	OM-245-2315.001 O-ISIN4-102A-2.3	NDE-62	VT-1	SS		1.375 / NA		B07.070.009
		-	B-Side LPI 10 Length of Bol		177 Bolting.	Inspect one	of the following va	alves: 2LP-177 or 2LP-176. Examine al	l studs and nuts.
Category B-J									
O2.89.11.0047	2-PDA1-1								
•	Class 1 50	ISI-OCN2-011	NDE-830	UT	SS		2.330 / 33.500		B09.011.047,
Circumferential Terminal End Stress Weld		OM-1201-966						50214	B09.011.047A
			Casing to Saf	e End					_
			calibration, Pr shall be used.	ocedure PDI- Procedure N ental exam is	UT-2 may be IDE-830 and being perforn	used in lieu Cal Block 50 ned as reque	of procedure ND 386 are to be use sted by Jim McA	afe End Pc. 49. Procedure NDE-600 use E-600. If PDI-UT-2 is used, then the cal ed only for a supplemental UT performental which will be used to justify limited	ibration block listed d from the pump side.
			Code Case N OSC-9796 Re					urth Interval ISI Plan. See PIP G-08-001	85 (CA # 10) and Caic

Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J						•			
O2.B9.11.0047	2-PDA1-1								
	0.000	ISI-OCN2-011	PDI-UT-2	UT	SS		2.330 / 33.500	4000#	B09.011.047, B09.011.047A
Circumferential		OM-1201-966						40397	B05.011.047A
Terminal End Stress Weld									
			Casing to Saf	e End					
	·		calibration. Pr shall be used.	ocedure PDI Procedure N ental exam is	·UT-2 may be IDE-830 and being perfore	used in lieu Cal Block 50 med as requi	of procedure NI 0386 are to be us ested by Jim Mc	DE-600. If PDI-UT-2 is used only for a supplemen	ure NDE-600 uses the component for sed, then the calibration block listed at all UT performed from the pump side. to justify limited coverage from the
	0.0140.0		Code Case N OSC-9796 Re					ourth Interval ISI Plan. S	ee PIP G-08-00185 (CA # 10) and Calc
O2.89.11.0052	2-PIA2-8 Class 1 50	ISI-OCN2-008	NDE-830	υT	SS		2.330 / 33.500		B09.011.052.
	0.000	OM-1201-966	1152 000	0.	00		2.000 . 00.000	50214	B09.011.052A
Circumferential Terminal End Stress Weld									
			Casing to Safe	e End					
			calibration. Preshall be used.	ocedure PDI- Procedure N ental exam is	UT-2 may be DE-830 and being perforr	used in lieu Cal Block 50 ned as reque	of procedure NE 0386 are to be us ested by Jim Mc	DE-600. If PDI-UT-2 is used only for a supplement	NDE-600 uses the component for sed, then the calibration block listed stal UT performed from the pump side to justify limited coverage from the
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. Se	ee PIP G-08-00185 (CA # 10) and Calc

Oconee 2, 4th Interval, outage 5 (EOC-25)

Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J			Comments						
O2.B9.11.0052	2-PIA2-8								
•	Class 1 50	ISI-OCN2-008 OM-1201-966	PDI-UT-2	uT	SS		2.330 / 33.500	40397	B09.011.052, B09.011.052A
Circumferential	•						•		
Terminal End		-							
Stress Weld									
			Casing to Safe	e End					
		•	calibration. Pr shall be used.	ocedure PDI- Procedure N Intal exam is	-UT-2 may be IDE-830 and ( being perform	used in lieu o Cal Block 503 led as reque:	of procedure NI 386 are to be us sted by Jim Mc	DE-600. If PDI-UT-2 is use sed only for a supplement	NDE-600 uses the component for ed, then the calibration block listed at UT performed from the pump side. In justify limited coverage from the
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. Se	B PIP G-08-00185 (CA # 10) and Calc
O2.B9.11.0065	2HP-215-3								
	Class 1 51A	2HP-215	PDI-UT-2	υT	SS		0.531 / 4.000	50275	B09.011.101,
•		O-ISIN4-101A-2.4						PDI-UT-2-O PDI-UT-2A-O	B09.011.101A
Circumferential								I DECI-2A-O	,

#### Tee to Reducer

Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-51A-27-56B until iso 2-51A-27 (3) was redrawn.

Code Case N-663 allows us to exclude the surface exam from the Fourth Interval ISI Plan. See PIP G-08-00185 (CA # 10) and Calc OSC-9796 Rev.1 for details on the exclusion of surface exams.

Summary Num	Component II		Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
	Glass / Gystel	11	Description Comments						
Category B-J									
O2.B9.11.0070	2LP-189-5								
	Class 1 53A	2LP-189 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2A-O PDI-UT-2-O	B09.011.206/ B09.011.206/
Circumferential					•			P <b>b</b> 1-01-2-0	
			Pipe to Elbow	,					
•				n the calibrat	ion block liste				eu of procedure NDE-600. If PDI-UT- BA-8-5 on iso 2-53A-8(1) until it was
· .			Code Case N OSC-9796 Re					ourth Interval ISI Plan. See	PIP G-08-00185 (CA # 10) and Calc
O2.B9.11.0091	2-53A-8-31							,	
İ	Class 1 53A	2-53A-8(2)	PDI-UT-2	υ٢	SS		1.000 / 10.000	PDI-UT-2-O	B09.011
		O-ISIN4-102A-2.3						PDI-UT-2A-Q 40354	•
Circumferential									
			Pipe to Tee					•	
			Code Case N OSC-9796 Re					ourth Interval ISI Plan. See	PIP G-08-00185 (CA # 10) and Calc
O2.B9.11.0137	2-53A-10-7							<u> </u>	
	Class 1 53A	2-53A-10	PDI-UT-2	υŤ	SS		1.125 / 12.000		· B09.011.
		O-ISIN4-102A-2.1						PDI-UT-2A-O 40413	
Circumferential									
			Pipe to Elbow		,		•		
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. See	PIP G-08-00185 (CA # 10) and Calc

Summary Num	Component II		Procedure	insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
	Class / System		Description Comments				÷		
Category B-J									
O2.B9.11.0145	2-53A-8-45			_					
•	Class 1 53A	2-53A-8(2)	PDI-UT-2	UT	SS		1.250 / 14.000	PDI-UT-2-O	B09.011
Circumferential		O-ISIN4-102A-2.3	*					50430	
		•	Pipe to Elbow	,					
· .					us to exclude tails on the exclu			ourth Interval ISI Plan.	. See PIP G-08-00185 (CA # 10) and Calc
O2.89.11.0146	2-53A-8-46	,		,					
	Class 1 53A	2-53A-8(2) O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.250 / 14.000	PDI-UT-2-O 50430	B09.011
Circumferential									
			Pipe to Elbow						
					us to exclude tails on the exclu			purth Interval ISI Plan.	See PIP G-08-00185 (CA # 10) and Calc
O2.B9.11.0162	2-53A-8-61								
•	Class 1 53A		PDI-UT-2	UT	SS		1.250 / 14.000	PDI-UT-2-O	B09.011.
Circumferential		O-ISIN4-102A-2.3			-			50430	
			Pipe to Valve	2CE-12					
			Code Case N-	663 allows	us to exclude t			ourth Interval ISI Plan.	See PIP G-08-00185 (CA # 10) and Calc
O2.89.21.0008	2-PIA1-11			<del>=</del>					
	Class 1 50	ISI-OCN2-007	NDE-35	PT	CS-Inconel		0.816 / 3.500		B09.021.008
Circumterential Dissimilar		B&W146823E							
Stress Weld			÷						
			Nozzle to Safe						
			Pc. 64 to Safe		A1 Suction Pipi 5.	ng. Nozzie			

Summary Num	Component II Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J						***			
O2.B9.21.0009	2-PIA2-11 Class 1 50	ISI-OCN2-008	NDE-35	PT	CS-Inconel		0.816 / 3.500		809.021.009
Circumferential Dissimilar Stress Weld	•	B&W146823E							
			Nozzle to Safe	e End					
			Reactor Coola Pc. 64 to Safe	ant Pump 2 End Pc. 6	A2 Suction Pipi 5.	ng. Nozzie			
O2.B9.21.0011	2-PIB2-11								
Circumferential Dissimilar Stress Weld	Class 1 50	ISI-OCN2-010 B&W146823E	NDE-35	PΤ	CS-Incone!		0.816 / 3.500		B09.021.011
			Nozzle to Safe	e End					
			Reactor Cools Pc. 64 to Safe		B2 Suction Pipir 5.	ng. Nozzie			
O2.B9.21.0031	2HP-217-12								
Circumferential Stress Weld	Class 1 51A	2HP-217 O-ISIN4-101A-2.4	NDE-35	PT	SS		0.375 / 2.500		809.021.108
311635 VV610			Pipe to Valve	2HP-487					
			*		iously as 2-51A	30-31 until	iso 2-51A-30 was	redrawn.	
O2.B9.21.0032	2HP-218-22								
	Class 1 51A	2HP-218	NDE-35	PT	CS-Inconel		0.000 / 2.500		B09.021.109
Circumferential Stress Weld		O-ISIN4-101A-2.4	·						
			Pipe to Valve	2HP-489			•		
····			Thickness cou required.	ild not be v	alidated using C	M Drawing	or Isometric. If ac	ctual dimension is neede	ed, a field measurement will be
O2.B9.21.0041	2RC-204-4					*****			
Circumferential	Class 1 51A	2RC-204 O-ISIN4-101A-2.4	NDE-35	PT	SS		0.375 / 2.500		B09.021.118
Stress Weld			Valve 2HP-487	7 to Valve 2	PHP-127				

Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks Co	mponenet ID 2
Category B-J									
O2.B9.21.0045	2HP-496-2								
	Class 1 51A		NDE-35	PΤ	SS		0.438 / 3.000		B09.021.122
Circumferential		O-ISIN4-101A-2.1							
			Pipe to Elbow	,					
		·.	This weld was	s listed previo	usly as 2-51A	-146-2 on	iso 2-51A-146 unti	il it was transferred to iso 2HP-246.	
O2.B9.21.0051	2-51A-30-36								
	Class 1 51A		NDE-35	PT	SS		0.375 / 2.500		B09.021.128
Circumferential	•	O-ISIN4-101A-2.4							
			Elbow to Pipe	,					
O2.B9.21.0056	2-51A-35-40				· · · · · · · · · · · · · · · · · · ·	<del>:</del>			
	Class 1 51A	2-51A-35 (2)	NDE-35	PT	SS		0.375 / 2.500		B09.021.133
Circumferential		O-ISIN4-101A-2.1						•	4
			Pipe to Elbow						:
O2.B9.21.0061	2HP-214-5								
	Class 1 51A	2HP-214	NDE-35	PT	SS		0.375 / 2.500		B09.021.138
Circumferential		O-ISIN4-101A-2.4							
			Pipe to Flange	e					
			This weld was	listed previou	usly as 2-51A	-27-90 until	iso 2-51A-27 (3)	was redrawn.	·
O2.B9.21.0064	2HP-215-20					-	÷		
	Class 1 51A		NDE-35	PT.	SS		0.375 / 2.500		B09.021.141
Circumferential		O-ISIN4-101A-2.4							
			Elbow to Pipe						
			This weld was	listed previou	usly as 2-51A	-27-97A uni	il iso 2-51A-27 (3)	was redrawn.	
O2.89.21.0065	2HP-215-5								
•	Class 1 51A	2HP-215	NDE-35	PT	SS		0.375 / 2.500		B09.021.142
Circumferential		O-ISIN4-101A-2.4							•
			Reducer to Pip	oe .					
			•		ısiy as 2-51A	-27-57B unt	il iso 2-51A-27 (3)	was redrawn.	
	· ·								
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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.B9.21.0069	2HP-218-6								
	Class 1 51A	2HP-218	NDE-35	PT	SS		0.375 / 2.500		B09.021
Circumferential		O-ISIN4-101A-2.4							•
			This weld was	s listed previo	usly_as 2-51A	-27-64 until	iso 2-51A-27 (2)	was redrawn.	·
O2.B9.21.0132	2-51A-35-126	<del></del>							
	Class 1 51A	2-51A-35 (1)	NDE-35	PT	SS		0.281 / 1.500		B09.021.
Circumferential		O-ISIN4-100A-2.1							
			Reducer to Pi	pe					
O2.B9.40.0003	2RC-271-25					<u> </u>			
	Class 1 50	2RC-271	NDE-35	PT	SS		0.281 / 1.500		B09.040.003
Socket	•	O-ISIN4-100A-2.2							
			Pipe to Valve	2LP-131				•	
			This weld was	listed previou	usly as 2-50-1	29-25 until	iso 2-50-129 was	deleted and all welds we	re tranferred to iso 2RC-271.
O2.B9.40.0009	2-50-7-81			· · · · · · · · · · · · · · · · · · ·					
	Class 1 50	2-50-7 (2)	NDE-35	PT	SS		0.281 / 1.500		B09.040.009
Socket		O-ISIN4-100A-2.1							
			Pipe to Elbow						
Category B-K									
O2.B10.10.0012	2-SGB-W15					<del></del>			
	Class 1 50	OM-201.S-0001	NDE-820	UT	CS		3.781 / NA	7310-0061	B10.010.012
		OM-201.S-0157							
		OM-201.S-0033							
		•	Support Skirt t	o Head		•			
			Steam Genera Per ASME Se 2500-14). Thickness liste	ction XI, 1995	Addenda; Ta	ble IWB-25	600-1, Examination	n Category B-K, perform	a UT from side A-B (see Figure IWB-

Summary Num	Component ID ISO/DWG Number Class / System	S Procedure  Description  Comments	tnsp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-K		•						
O2.B10.10.0012	2-SGB-W15							
:	Class 1 50 OM-201.S-0001 OM-201.S-0157 OM-201.S-0033	NDE-640	UT	CS		3,781 / NA	7310-0061	B10.010.012
		Support Skirt	to Head					•
	٢	Steam Genera Per ASME Se 2500-14). Thickness list	ction XI, 199	5 Addenda;	Table IWB-2	500-1, Examinat	ion Category B-K, perfo	m a UT from side A-B (see Figure IWB-
O2.B10.20.0003	2-51A-0-1479A-H16A				· <del></del>			
	Class 1 51A 0-2RB-25315-03	NDE-35	PT	SS		0.500 / 2.500		B10.020.012
Rigid Support	O-ISIN4-101A-2.4	·		•		•		•
	· _	Calculation No HPI East Cool Inspect with F	ant Loop.	-06.				
O2.B10.20.0005	2-51A-0-1478A-H1C							
	Class 1 51A 0-2RB-25112-01	NDE-35	PT	SS		0.154 / 2.500		B10.020.014
Rigid Restraint	O-ISIN4-101A-2.1							
		Calculation No Inspect with Fo needed, a field	01.011.012.	Standard Sch		ckness was used	d for attachment (pipe st	anchion). If actual dimension is
O2.B10.20.0006	2-53-0-1478A-H4							
	Class 1 53 0-2R8-25310-03	NDE-35	PT	SS		0.258 / 12.000		810.020.021
Rigid Restraint	O-ISIN4-102A-2.1			~	•			
		Calculation No Inspect with Fi	•					· .

Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Co	mponenet ID 2
Category C-B										
O2.C2.21.0001	2-SGA-W127									
	Class 2 01A	OM-201.S-0001	NDE-25	MT	CS		5.125 / NA			C02.021.001, C02.021.001A
Circumferential		OM-201.S-0026 OM-201.S-0157								002.027.0017
			Nozzle to She	al .						
			Steam General X-1/Y-1 Quad				the NPS is NA, s	since dimension is not need	led at nozzle to shell.	•
O2.C2.21.0001	2-SGA-W127		···.						·····	
	Class 2 01A	OM-201,S-0001	NDE-640	UT	cs		5.125 / NA	20T-240		C02.021.001, C02.021.001A
Circumferential		OM-201.S-0026 OM-201.S-0157			•		_			002.027.0077
		•	Nozzle to She	11						
•			Steam Genera X-1/Y-1 Quad				he NPS is NA, s	since dimension is not need	ed at nozzle to shell.	
O2.C2.21.0001	2-SGA-W127									
•	Class 2 01A	OM-201.S-0001	NDE-820	UT	cs		5.125 / NA	20T-240		C02.021.001, C02.021.001A
Circumferential		OM-201.S-0026								
•	•	OM-201.S-0157								
		•	Nozzle to She Steam Genera		: Steam Nozzi	e to Shell			·	
							he NPS is NA, s	ince dimension is not need	ed at nozzle to shell.	
Category C-C								· · · · · · · · · · · · · · · · · · ·		
O2.C3.20.0002	2-01A-0-1441-H							······································		
Rigid Support	Class 2 01A	2-01-01/sht.1 O-ISIN4-122A-2.1	NDE-25	MT .	cs		0.750 / 36.000			C03.020.002
g.u uuppun										
			Calculation No	. OSC-440. I	nspect with F	01.020.001.				
O2.C3.20.0005	2-03-0-1481A-H							•		
Rigid Restraint		0-1490B-4(S) O-ISIN4-121B-2.3	NDE-25	MT	CS		0.500 / 24.000			C03.020.011
	,		Calculation No A PT examina requirements f	tion may be p				a MT examination in order t	o meet the surface ex	æmination
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Summary Num	Component ID ISO/DWG Number Class / System	s Procedure  Description  Comments	insp Req	Material	Sched Thick/N	PS Cal Blocks	Componenet ID 2
Category C-C				·			
O2.C3.20.0013	2-51-0-A36H-SR17	=======================================					
Rigid Restraint	Class 2 51 0-2AB-25101-02 O-(SIN4-101A-2.2	NDE-35	PŤ	SS	0.500 / 4.0		C03.020.031
		Calculation N	lo. OSC-479.	Inspect with I	F01.021.041.		
O2.C3.20.0019	2-51A-436E-FAC-2802						
Rigid Support	Class 2 51A 0-2AB-25101-05 O-ISIN4-101A-2.2	NDE-35	PT	SS	0.750 / 2.0	000	C03.020.037
		Calculation N	o. OSC-479.	Inspect with f	F01.020.043.		
O2.C3.20.0023	2-53B-0-435B-DE049						
	Class 2 53B 0-2AB-25301-01	NDE-35	PT	SS	0.500 / 14.	000	C03.020.044
Rigid Restraint	O-ISIN4-102A-2.2						
		Calculation N	o. OSC-487.	Inspect with F	O1.021.061.		
O2.C3.20.0025	2-53B-2-0-436E-H3						
Rigid Support	Class 2 53B 0-2AB-25301-01 O-ISIN4-102A-2.1	NDE-35	PT	SS	0.280 / 14.	000	C03.020.046
		Calculation N	o. OSC-487.	Inspect with F	01.020.074.		
O2.C3.20.0027	2-53B-2-0-436E-H9						
	Class 2 53B 0-2AB-25102-02	NDE-35	PŢ	SS	0.125 / 6.0	000	C03.020.048
Rigid Support	O-ISIN4-101A-2.3						
	· ·					0.125 was used as a reference is needed, a field measuremen	e, because thickness of attachment t will be required.
O2.C3.20.0028	2-53B-0-1439B-H30						
Rigid Support	Class 2 53B 0-2AB-25302-01 O-ISIN4-102A-2.2	NDE-35	PT	SS	0.125 / 10.0	000	C03.020.049
		Calculation N	o. OSC-493. I	nspect with F	01.020.085. Thickness	0.125 was used as a reference	, because thickness of attachment

Calculation No. OSC-493. Inspect with F01.020.085. Thickness 0.125 was used as a reference, because thickness of attachment can't be validated using the support sketch. If actual dimension is needed, a field measurement will be required.

Summary Num	Component ID ISO/DWG Number Class / System	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-C								
O2.C3.20.0192	2-14B-50-PEN # 33							
	Class 2 14B 2-14B-50 O-ISIN4-124B.2.2	NDE-35	PT	CS		0.750 /8.000		
		8 Inch Pipe		• , ,		umber 2-14-14 sh	1.1	·
		Type I Penetra	ation located	on the RB Si	de of Penetr	ation # 33.		
O2.C3.20.0202	2LP-150-PEN #15							
	Class 2 53B 2LP-150 O-ISIN4-102A-2.2	NDE-35	PT	SS-CS		0.750 /10.000		
		Calculation OS 10 Inch Pipe Type II Penetr				ration # 15.		
O2.C3.20.0211	2-55-1-0-1439C-H18							
	Class 2 55 OSC-498 O-ISIN4-144A-2.2	NDE-25	МТ	CS		0.322 / 8.000		•••
		Component St	ipport Attacl	hment Weld				
		Component Su Calculation No		hment Weld.				
O2.C3.30.0001	2-HPI-PU-A							
	Class 2 51A OM-201-1704 O-ISIN4-101A-2.3	NDE-35	PT	SS		2.000 / NA		C03.030.001
		Attachment to	Pump					
		High Pressure	Injection Pu	mp 2A.				
						*		

Oconee 2, 4th Interval, outage 5 (EOC-25)

	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Component ID 2
Category C-F-1									
O2.C5.11.0011	2LP-150-69 Class 2 53A	2LP-150 O-ISIN4-102A-2.3	PDI-UT-2	υT	SS		1.125 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.011 C05.011.011
Circumferential									
			Elbow to Redu	ucer					
			2 is used, then	n the calibrati	on block liste	d shall be u	sed. This weld w	PDI-UT-2 may be used in lie as listed previously as 2-53. leted and remade as 2LP-1	ou of procedure NDE-600, If PDI-UT- A-9-41 until iso 2-53A-9 was 50-69.
			Code Case N- OSC-9796 Re	-663 allows u v.1 for detail	s to exclude to s on the exclu	he surface of surf	exam from the Fo	ourth Interval ISI Plan. See	PIP G-08-00185 (CA # 10) and Calc
O2.C5.11.0012	2LP-150-70								
	Class 2 53A	2LP-150 O-ISIN4-102A-2.3	PDI-UT-2	υť	<b>SS</b>	160	1.168 / 12.000	40413 PDI-UT-2-O PDI-UT-2A-O	C05.011.012, C05.011.012,
Circumferential				•					
			Reducer to Va	lve 2l P-17					
		٠,	Procedure ND	E-600 uses t					eu of procedure NDE-600. If PDI-UT- A-9-42 until iso 2-53A-9 was
							avom from the Er	and lateral ICI Disa. Can I	
			Code Case N- OSC-9796 Re					ounn mierval 151 Plan. See i	PIP G-08-00185 (CA # 10) and Calc
O2.C5.11.0018	2LP-189-15		OSC-9796 Re	v.1 for details	on the exclu		ace exams.	<del>-</del>	
O2.C5.11.0018	Class 2 53A	2LP-189 O-ISIN4-102A-2.2						40354 PDI-UT-2-O	PIP G-08-00185 (CA # 10) and Calc C05.011.018, C05.011.018
O2.C5.11.0018  Circumferential	Class 2 53A		OSC-9796 Re	v.1 for details	on the exclu		ace exams.	40354	C05.011.018,
	Class 2 53A		OSC-9796 Re	v.1 for details	on the exclu		ace exams.	40354 PDI-UT-2-O	C05.011.018,
	Class 2 53A		OSC-9796 Re PDI-UT-2  Valve 2LP-47 Procedure ND	v.1 for details  UT  to Pipe E-600 uses to the calibration	SS SS	sion of surfa	1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O PDI-UT-2 may be used in lie	C05.011.018,
	Class 2 53A		OSC-9796 Re PDI-UT-2  Valve 2LP-47 the Procedure ND 2 is used, then transferred to it	v.1 for details  UT  to Pipe E-600 uses to the calibration of the cali	SS ne component block listed to exclude the	t for calibrat d shall be us ne surface e	1.000 / 10.000 tion. Procedure Formation with the Formation and the Formation	40354 PDI-UT-2-O PDI-UT-2A-O PDI-UT-2 may be used in lie as listed previously as 2-53/	C05.011.018, C05.011.018 <i>A</i>

Summary Num	Component ID Class / System		Procedure Description Comments	insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
O2.C5.11.0019	2LP-217-21 Class 2 53A	2LP-217 O-ISIN4-10ZA-2.3	PDI-UT-2	υτ	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.019,
Circumferential								1 51-51-271 5	•
			Elbow to Pipe						
,			Procedure ND 2 is used, then	E-600 uses to the calibrate	the componer ion block liste	nt for calibra d shall be u	ation. Procedure used.	PDI-UT-2 may be used in	lieu of procedure NDE-600. If PDI-UT-
•			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. Sec	e PIP G-08-00185 (CA # 10) and Calc
O2.C5.11.0020	2LP-217-22								
	Class 2 53A	2LP-217 O-ISIN4-102 <b>A-2</b> .3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.020, C05.011.020 <i>A</i>
Circumferential		•					•	, 5, 5, 2, 0	
			Pipe to Tee Procedure ND 2 is used, then					PDI-UT-2 may be used in I	lieu of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. See	PIP G-08-00185 (CA # 10) and Calc
O2.C5.11.0047	2LP-216-17								
·	Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UΤ	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.047, C05.011.047A
Circumferential								FUI-01-2A-0	
			Pipe to Valve 2	2LP-179				·	
			Procedure NDI 2 is used, then	E-600 uses the calibration	ne componen on block lister	t for calibra I shall be u	tion. Procedure F sed.	PDI-UT-2 may be used in li	ieu of procedure NDE-600. If PDI-UT-
			Code Case N-0 OSC-9796 Rev	663 allows us	s-to exclude the on the exclusion	ne surface e sion of surfa	exam from the Fo ace exams.	ourth Interval ISI Plan. See	PIP G-08-00185 (CA # 10) and Calc

Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
O2.C5.11.0048	2LP-216-18								
	Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.048, C05.011.048A
Circumferential								T BIOTIZA O	
			Valve 2LP-179	9 to Pipe					
			Procedure ND 2 is used, then					PDI-UT-2 may be used in lieu	of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. See Pl	P G-08-00185 (CA # 10) and Calc
Q2.C5.11.0049	2LP-216-2								
	Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS -		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.049, C05.011.049A
Circumferential									
			Elbow to Pipe				.•	•	
			Procedure ND 2 is used, then					PDI-UT-2 may be used in lieu	of procedure NDE-600. If PDI-UT-
	•		Code Case N- OSC-9796 Re					ourth Interval ISI Plan. See Pl	P G-08-00185 (CA # 10) and Calc
O2.C5.11.0050	2LP-216-20			<del></del>					
	Class 2 53A	2LP-216	POI-UT-2	UT	SS		1.000 / 10.000	40354	C05.011.050,
•		O-ISIN4-102A-2.3	•					PDI-UT-2-O PDI-UT-2A-O	C05.011.050A
Circumferential									
•			Pipe to Elbow						•
			Procedure ND 2 is used, then					PDI-UT-2 may be used in lieu	of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. See Pl	P G-08-00185 (CA # 10) and Calc
				,					

Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1			·						<u> </u>
O2.C5.11.0051	2LP-216-21 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	ss		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.051, C05.011.051A
Circumferential		•							
			Elbow to Pipe						-
			Procedure ND 2 is used, then					PDI-UT-2 may be used in lie	u of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. See F	PIP G-08-00185 (CA # 10) and Calc
O2.C5.11.0052	2LP-216-22				· · · · · · · · · · · · · · · · · · ·				
	Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UΤ	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.052, C05.011.052A
Circumferential					-				
			Pipe to Elbow Procedure ND 2 is used, ther					PDI-UT-2 may be used in lie	u of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. See F	PIP G-08-00185 (CA # 10) and Calc
O2.C5.11.0053	2LP-216-23								
	Class 2 53A	2LP-216 O-IS!N4-102A-2.3	PDI-UT-2	UT	\$S		-1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.053, C05.011.053A
Circumferential								10.01220	
			Elbow to Pipe						
			•	E-600 uses to the calibration	he componer on block liste	nt for calibra ad shall be u	tion. Procedure f sed.	PDI-UT-2 may be used in lieu	of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Rev					urth Interval ISI Plan. See P	IP G-08-00185 (CA # 10) and Calc

Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
O2.C5.11.0054	2LP-216-24								
•	Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UŢ	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.054 C05.011.054
Circumferential									
			Pipe to Elbow						
			•	E-600 uses				PDI-UT-2 may be used in	lieu of procedure NDE-600. If PDI-UT-
!			Code Case N- OSC-9796 Re					ourth interval ISI Plan. Se	e PIP G-08-00185 (CA # 10) and Calc
O2.C5.11.0055	2LP-216-25			· · · · · · · · · · · · · · · · · · ·					
	Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.055 C05.011.055
Circumferential						*			
·			Elbow to Pipe Procedure ND 2 is used, ther					PDI-UT-2 may be used in	lieu of procedure NDE-600, if PDI-UT-
:			Code Case N- OSC-9796 Re					ourth interval ISI Plan. Se	e PIP G-08-00185 (CA # 10) and Calc
O2.C5.11.0056	2LP-216-6		:						
	Class 2 53A		PDI-UT-2	UT	SS		1.000 / 10.000	40354	C05.011.056, C05.011.056A
•		O-ISIN4-102A-2.3						PDI-UT-2-O PDI-UT-2A-O	203.011.0302
Circumferential									
:			Pipe to Elbow						•
			•					PDI-UT-2 may be used in	lieu of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Res					ourth Interval ISI Plan. Sec	PIP G-08-00185 (CA # 10) and Calc
,									
•									

Summary Num  Category C-F-1	Component II Class / Systen		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
	0.0007						<del> </del>		
O2.C5.11.0057	2LP-216-7 Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UΤ	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.057, C05.011.057,
Circumferential									
			Elbow to Pipe						•
			Procedure NE 2 is used, the					PDI-UT-2 may be used in lieu	of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re					purth Interval ISI Plan. See Pl	P G-08-00185 (CA # 10) and Calc
O2.C5.11.0058	2LP-216-8								
·	Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.058, C05.011.058A
Circumferential									
			Pipe to Elbow Procedure ND 2 is used, ther					PDI-UT-2 may be used in lieu	of procedure NDE-600. If PDI-UT-
				663 allows u	s to exclude	the surface e	xam from the Fo	ourth Interval ISI Plan. See Pl	P G-08-00185 (CA # 10) and Calc
O2.C5.11.0059	2LP-216-9				· · · · · · · · · · · · · · · · · · ·				
	Class 2 53A	2LP-216 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O	C05.011.059, C05.011.059A
Circumferential								PDI-UT-2A-O	
O TO CALLED OF THE CALLED									
•			Elbow to Elboy	N					,
			Procedure ND 2 is used, then					PDI-UT-2 may be used in lieu	of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re	663 allows us	s to exclude to s on the exclu	he surface e ision of surfa	xam from the Fo	ourth Interval ISI Plan. See Pl	P G-08-00185 (CA # 10) and Calc
•									

Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
O2.C5.11.0064	2LP-217-20							•	
i	Class 2 53A	2LP-217 O-ISIN4-102A-2.3	PDI-UT-2	UT	SS		1.000 / 10.000	40354 PDI-UT-2-O PDI-UT-2A-O	C05.011.064, C05.011.064,
Circumferential									
•			Pipe to Elbow	•					
			Procedure ND 2 is used, then					PDI-UT-2 may be used in li	eu of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. See	PIP G-08-00185 (CA # 10) and Calc
O2.C5.11.0068	2LP-218-4			ANN .					
	Class 2 53A		PDI-UT-2	UT	SS		1.000 / 10.000		C05.011.068,
:		O-ISIN4-102A-2.3						PDI-UT-2-O PDI-UT-2A-O	C05.011.088/
Circumferential									
			Pipe to Elbow						
			Procedure ND 2 is used, ther					PDI-UT-2 may be used in li	eu of procedure NDE-600. If POI-UT-
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. See	PIP G-08-00185 (CA # 10) and Calc
O2.C5.11.0069	2LP-218-5								
•	Class 2 53A		PDI-UT-2	UT	SS		1.000 / 10.000	40354	C05.011.069,
		O-ISIN4-102A-2.3	•			-		PDI-UT-2-O PDI-UT-2A-O	C05.011.069A
Circumferential	•								
			Elbow to Pipe	* .			:		
			•					PDI-UT-2 may be used in li	eu of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. See	PIP G-08-00185 (CA # 10) and Calc

Summary Num	Component ID Class / Systen		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
O2.C5.11.0081	2LPS-723-1 Class 2 14B	2LPS-723 O-ISIN4-124B-2.2	PDI-UT-2	υT	ss		0.432 / 6.000	50319 PDI-UT-2-O PDI-UT-2A-O	C05.011.081, C05.011.081A
Circumferential		•					,		
		·	Flange to Pipe Procedure NE 2 is used, the	E-600 uses				PDI-UT-2 may be use	d in lieu of procedure NDE-600. If PDI-UT-
			Code Case N OSC-9796 Re	-663 allows u	s to exclude s on the exclu	the surface usion of surf	exam from the Face exams.	ourth Interval ISI Plan.	See PIP G-08-00185 (CA # 10) and Calc
O2.C5.11.0082	2LPS-723-2 Class 2 14B	2LPS-723 O-ISIN4-124B-2.2	PDI-UT-2	UT	ss		0.432 / 6.000	50319 PDI-UT-2-O PDI-UT-2A-O	C05.011.082, C05.011.082A
Circumferential			•						
. •			Pipe to Flange Procedure ND 2 is used, the	E-600 uses t				PDI-UT-2 may be used	d in lieu of procedure NDE-600. If PDI-UT-
			Code Case N OSC-9796 Re	663 allows u v.1 for details	s to exclude to s on the exclu	the surface of surface of surface of the surface of	exam from the Fe ace exams.	ourth Interval ISI Plan.	See PIP G-08-00185 (CA # 10) and Calc
O2.C5.11.0083	2LPS-723-3 Class 2 14B	2LPS-723 O-ISIN4-124B-2.2	PDI-UT-2	υī	SS		0.432 / 6.000	50319 PDI-UT-2-O PDI-UT-2A-O	C05.011.083, C05.011.083A
Circumferential			•						
			Flange to Pipe Procedure ND 2 is used, ther	E-600 uses t	he componer on block liste	nt for calibra d shall be u	tion. Procedure	PDI-UT-2 may be used	d in lieu of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan.	See PIP G-08-00185 (CA # 10) and Calc

Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
O2.C5.21.0007	2HP-219-3								
	Class 2 51A	2HP-219 O-ISIN4-101A-2.4	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2-O PDI-UT-2A-O	C05.021.014, C05.021.014,
Circumferential							•	7 5. 6. 2. 6	
			Pipe to Elbow						
:									u of procedure NDE-600. If PDI-UT- A-132-3 until iso 2-51A-132 was
	·		Code Case N OSC-9796 Re					ourth Interval ISI Plan. See I	PIP G-08-00185 (CA # 10) and Calc
O2.C5.21.0008	2HP-219-12								
	Class 2 51A		PDI-UT-2	υT ,	SS		0.531 / 4.000	50275	C05.021.015, C05.021.015A
		O-ISIN4-101A-2.4						PDI-UT-2-O PDI-UT-2A-O	
Circumferential									
•			Elbow to Pipe						
- -			Procedure ND	E-600 uses to the calibrat	on block liste	d shall be u			u of procedure NDE-600, If PDI-UT- A-132-9 until iso 2-51A-132 was
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. See F	PIP G-08-00185 (CA # 10) and Calc
O2.C5.21.0009	2-51A-133-3			<u> </u>					
	Class 2 51A	2-51A-133 O-ISIN4-101A-2.4	PDI-UT-2	UΥ	SS		0.531 / 4.000	50275 PDI-UT-2-O PDI-UT-2A-O	C05.021.017, C05.021.017A
Circumferential				•				101-01-27-0	
			Pipe to Elbow						
	,							PDI-UT-2 may be used in lie	u of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re					ourth Interval (SI Plan. See F	PIP G-08-00185 (CA # 10) and Calc

Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									<u>.</u>
O2.C5.21.0010	2-51A-17-49								
,	Class 2 51A	2-51A-17 (1) O-ISIN4-101A-2.2	PDI-UT-2	UT	SS		0.237 / 4.000	PDI-UT-2A-O PDI-UT-2-O 8279-0416	C05.021.018, C05.021.018 <i>i</i>
Circumferential									
			Elbow to Pipe						
:			Procedure ND 2 is used, then					PDI-UT-2 may be used in lieu	of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. See Pl	P G-08-00185 (CA # 10) and Calc
O2.C5.21.0037	2-51A-29-1								
,	Class 2 51A	2-51A-29 O-ISIN4-101A-2.4	PDI-UT-2	UT ·	SS		0,531 / 4.000	50275 PDI-UT-2-O PDI-UT-2A-O	C05.021.045, C05.021.045A
Circumferential									-
			Tee to Pipe Procedure ND 2 is used, ther					PDI-UT-2 may be used in lieu	of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re					ourth interval ISI Plan. See Pl	P G-08-00185 (CA # 10) and Calc
O2.C5.21.0038	2HP-396-2								
	Class 2 51A	2HP-396 O-ISIN4-101A-2.4	PDI-UT-2	UT	SS		0.531 / 4.000	50275 PDI-UT-2-O PDI-UT-2A-O	C05.021.046, C05.021.046A
Circumferential								10101240	
			Tee to Pipe				•		
			Procedure ND	the calibrati	on block lister				of procedure NDE-600. If PDI-UT- 29-2 on iso 2-51A-29 until it was
			Code Case N- OSC-9796 Rev					ourth Interval ISI Plan. See Pl	P G-08-00185 (CA # 10) and Calc

Summary Num  Category C-F-1	Component II Class / Syster		Procedure Description Comments	Insp Reg	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
O2.C5.21.0039	2-51A-31-59								
	Class 2 51A	2-51A-31 O-ISIN4-101A-2.1	PDI-UT-2	υT	SS		0.531 / 4.000	50275 PDI-UT-2-O PDI-UT-2A-O	C05.021.047 C05.021.047
Circumferential								. 5. 5. 5. 5	
•			Reducer to El	bow					·
	·		Procedure NE 2 is used, the					PDI-UT-2 may be used	in lieu of procedure NDE-600. If PDI-UT-
1			Code Case N OSC-9796 Re					ourth Interval ISI Plan.	See PIP G-08-00185 (CA # 10) and Calc
O2.C5.21.0040	2-51A-31-5			· · · · · · · · · · · · · · · · · · ·					
	Class 2 51A	2-51A-31 O-ISIN4-101A-2.1	PDI-UT-2	υτ	SS		0.674 / 4.000	8279-0412 PDI-UT-2-O PDI-UT-2A-O	C05.021.048, C05.021.048/
Circumferential									
			Elbow to Pipe Procedure ND 2 is used, the	E-600 uses t				PDI-UT-2 may be used	in lieu of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan.	See PIP G-08-00185 (CA # 10) and Calc
Q2.C5.21.0041	2HP-338-52	<del></del>				<del></del>			
	Class 2 51A	2HP-338 O-ISIN4-101A-2.1	POI-UT-2	υT	SS		0.531 / 4.000	50275 PDI-UT-2-O PDI-UT-2A-O	C05.021.049, C05.021.049A
Circumferential								. 5. 6. 2 6	
•			Pipe to Reduc	er					
	٠								in lieu of procedure NDE-600. If PDI-UT-A-31-52 and was shown on isometric 2-
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan.	See PIP G-08-00185 (CA # 10) and Calc
									222 2 22 23 (3.1

Summary Num	Component II Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1							-		·
O2.C5.21.0042	2-51A-17-20A Class 2 51A	2-51A-17 (1) O-ISIN4-101A-2.3	PDI-UT-2	υT	ss		0.216 / 3.000	8279-0420 PDI-UT-2-O PDI-UT-2A-O	C05.021.050, C05.021.050A
Circumferential									•
			Pipe to Valve	2LP-56					
e.			Procedure ND 2 is used, the					PDI-UT-2 may be used in fieu	of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. See Pl	P G-08-00185 (CA # 10) and Calc
O2.C5.21.0050	2HP-338-51					,			
	Class 2 51A	2HP-338 O-ISIN4-101A-2.1	PDI-UT-2	υT	SS		0.438 / 3.000	50225 PDI-UT-2-O PDI-UT-2A-O	C05.021.058, C05.021.058A
Circumferential			•						
				E-600 uses t					of procedure NDE-600. If PDI-UT- 11 and was shown on isometric 2-
·			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. See Pl	P G-08-00185 (CA # 10) and Calc
Category C-F-2									
O2.C5.51.0012	2MS-146-4								
	Class 2 01A	2MS-146 O-ISIN4-122A-2.1	PDI-UT-1	UT	cs		0.562 / 12.000	PDI-UT-1-O PDI-UT-1A-O	C05.051.012, C05.051.012A
Circumferential					·				
			Elbow to Valve	2MS-155					
			Procedure ND 1 is used, then	E-600 uses to the calibrati	on block liste	d shall be u	sed.	•	of procedure NDE-600. If PDI-UT- changed to 2MS-146-4(refernce
	·		Code Case N- OSC-9796 Rev		on the exclu	sion of surfa		ourth Interval ISI Plan. See PII	P G-08-00185 (CA # 10) and Calc
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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 C-F-2									
O2.C5.51.0017	2-03A-67-11	0.004.67	001117.4		00		0.500 / 0.000		202.024.04
	Class 2 03A	2-03A-67 O-ISIN4-121D-2.1	PDI-UT-1	UT	CS		0.562 / 6.000	PDI-UT-1-O	C05.051.017, C05.051.017/
		0-13/N4-1210-2.1						PDI-UT-1A-O	
Circumferential		•							
		. •	Pipe to Elbow	1			-		
			•	DE-600 uses				PDI-UT-1 may be used in	lieu of procedure NDE-600. If PDI-UT-
			Code Case N OSC-9796 Re					ourth Interval ISI Plan. Se	e PIP G-08-00185 (CA # 10) and Calc
O2.C5.51.0024	2SGB-W236								
•	Class 2 03	OM 201.S0155.001	PDI-UT-1	UT	CS		0.750 / 14.000		C05.051.024,
•		O-ISIN4-121B-2.3	•					PDI-UT-1-O PDI-UT-1A-O	C05.051.024/
Circumferential									
			Tee to Pipe						
			Procedure NE 1 is used, the					PDI-UT-1 may be used in	lieu of procedure NDE-600. If PDI-UT-
			Code Case N OSC-9796 Re	-663 allows u	s to exclude s on the exclu	the surface usion of surf	exam from the F	ourth Interval ISI Plan. Se	e PIP G-08-00185 (CA # 10) and Calc
O2.C5.51.0043	2LPS-597-17								
	Class 2 14B	2LPS-597	NDE-600	UT	CS		0.500 / 8.000	Component	C05.051.043, C05.051.043A
Circumferential		O-ISIN4-124B-2.2							
			Pipe to Elbow						
			Procedure ND 1 is used, then					PDI-UT-1 may be used in	lieu of procedure NDE-600. If PDI-UT-
			Code Case N- OSC-9796 Re					ourth Interval ISI Plan. See	PIP G-08-00185 (CA # 10) and Calc
									•

Componenet ID 2	Cal Blocks	Thick/NPS	Sched	Material	insp Req	Procedure Description Comments	ISO/DWG Numbers	Component ID Class / System	Summary Num
						Comments		•	Category C-F-2
								2LPS-597-3AB	O2.C5.51.0044
C05.051.044 C05.051.044	Component	0.500 / 8.000		CS	UT	NDE-600	2LPS-597	Class 2 14B 2	
							D-ISIN4-1248-2.2	C	Circumferential
~						Elbow to Pipe			
eu of procedure NDE-600. If PDI-UT-			ent for calibr	he compone	E-600 uses t				·
PIP G-08-00185 (CA # 10) and Calc	ourth Interval ISI Plan. See F					Code Case N OSC-9796 Re			
· · · · · · · · · · · · · · · · · · ·							_	2LPS-600-1	O2.C5.51.0045
C05.051.045 C05.051.045	PDI-UT-1-O	0.500 / 8.000		CS	UT	PDI-UT-1		Class 2 14B 2	•
000.001.010	PDI-UT-1A-O						D-ISIN4-124B-2.2	_	
									Circumferential
	,		•			Elbow to Pipe			· ·
u of procedure NDE-600. If PDI-UT- 3-53-1 until iso 2-14B-53 was									•
PIP G-08-00185 (CA # 10) and Calc	ourth Interval ISI Plan. See P					Code Case N- OSC-9796 Re			• .
								2LPS-600-86	O2.C\$.51.0046
C05.051.046		0.500 / 8.000		CS	UT	PDI-UT-1		Class 2 14B 2	
C05.051.046	PDI-UT-1-O PDI-UT-1A-O						0-ISIN4-124B-2.2	C	
	1 DI-OT-TA-O								Circumferential
					,	Elbow to Elboy			•
u of procedure NDE-600. If PDI-UT-	PDI-UT-1 may be used in lieu as listed previously as 2-148							_	
5-53-66 unui iso 2-14B-53 was	as listed providesly as 2-140					ieciawii.			•

Summary Num	Component II Class / Syster		Procedure Description	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-2			Comments					•	
O2.C5.51.0047	2LPS-600-87	***************************************							
	Class 2 14B	2LPS-600	PDI-UT-1	UT	cs		0.500 / 8.000		C05.051.047.
		O-ISIN4-124B-2.2	_					PDI-UT-1-O	C05.051.047A
								PDI-UT-1A-O	
Circumferential									
,			Pipe to Elbov	v					
	,		Procedure No 1 is used, the					PDI-UT-1 may be used in	lieu of procedure NDE-600. If PDI-UT-
			Code Case N OSC-9796 Re					ourth Interval ISI Plan. Se	ee PIP G-08-00185 (CA # 10) and Calc
O2.C5.51.0484	2-03A-11-49								
	Class 2 03A	2-03A-11	PDI-UT-1	υT	CS		0.432 / 6.000		C05.051.
		O-ISIN4-121D-2.1						PDI-UT-1-O PDI-UT-1A-O	
Circumferential									·
•			•				•		•
			Pipe to Valve						•
			Code N-663 a	allows us to e	xclude the su	irface exam	from the Fourth	Interval ISI Plan. See PIP	G-08-00185
Category D-A									
O2.D1.10.0001	2-RBCC-A								
	Class 3 14B		NDE-65	VT-1	NA		0.000 / 0.000	*	D01.010.001
,	•	O-ISIN4-124B-2.1 O-437C						. •	
			Reactor Build the stacking a			Support. W	elded Attachmer	nt at Support Legs A & B.	Drawing O-437C was added to show
O2.D1.20.0011	2-03A-1-0-1401	1B-SR5					_		
	Class 3 03A	2-03A-05/sht.5	NDE-65	VT-1	NA		1.000 / 6.000		D01.020.017
Rigid Restraint		O-ISIN4-121D-2.1						•	
			Calculation N	o, OSC-447.	Inspect with I	F01.031.014			•

Summary Num	Component II Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cai Blocks	Componenet ID 2
Category D-A									
O2.D1.20.0013	2-03A-1-0-437	B-H1							
	Class 3 03A	2-03A-09/sht.3	NDE-65	VT-1	NA		0.125 / 6.000		D01.020.019
Spring Hgr		O-ISIN4-121D-2.1							
	•		Calculation N	o. OSC-450	Inspect with f	01.032.013	3.		•
O2.D1,20.0014	2-03A-1-0-437	B-H2							
	Class 3 03A	2-03A-09/sht.3	NDE-65	VT-1	NA		0.500 / 6.000		D01.020.020
Rigid Restraint		O-ISIN4-121D-2.1							
			Calculation N	o. OSC-450.	Inspect with F	01.031.020	).		
O2.D1,20.0020	2-14B-0-14398	3-RJP-3101							
	Class 3 14B	2-14-06/sht.2	NDE-65	VT-1	NA		0.187 / 8.000		D01.020.063
Rigid Support		O-ISIN4-124B-2.2							
			Calculation No	o. OSC-475.	Inspect with F	01.030.074	<b>J.</b>	_	
O2.D1.20.0026	0-14C-447A-H	7039				<del></del>			
	Class 3 14C	4-14-12/sht.1	NDE-65	VT-1	NA		1.000 / 6.000		D01.020.069
Rigid Restraint		O-ISIN4-133A-2.5							
			Calculation No	o. OSC-1224	I-26. Inspect w	ith F01.031	.068.		
Category ELC									
O2.H2.1.0001	2-PHA-13								,
01	Class 1 50	ISI-OCN2-005	NDE-35	PT	CS-Inconel		2.875 / NA		H02.001.001
Circumferential Dissimilar		OM-1201-1521					•		
			Mounting Bos	s to Pipe					
							overs the X-Axis. neral Requirement	The diameter of hole that penetrates the n	ozzle into the Hot
O2.H2.1.0002	2-PHA-14								
	Class 1 50	ISI-OCN2-005	NDE-35	PT	CS-Inconel		2.875 / NA		H02.001.002
Circumferential Dissimilar		OM-1201-1521							
			Mounting Boss	s to Pipe					
•	•		RTE Mounting	Boss Pc. 12	to Pipe Pc.7. Stion 7 of the IS	This weld c SI Plan, Gel	overs the Y-Z Axis neral Requirement	s. The diameter of hole that penetrates the is.	nozzle into the Hot
Printed 01/24/12 gds58	341 v. 06/18/09				SDQ	4 Cat "C"		Oconee 2 1/24/2012 7:33:13	AM Page 53 of 70

Summary Num	Component il Class / Syster		Procedure Description Comments	Insp Req	Material	Sched Thick/NPS	G Cal Blocks	Componenet ID 2
Category ELC							77	
O2.H2.1.0003	2-PHA-15							
	Class 1 50	ISI-OCN2-005	NDE-35	PT	CS-Inconel	2.875 / NA	1	H02,001.003
Circumferential Dissimilar		OM-1201-1521						
			Mounting Bos	s to Pipe				
						This weld covers the Z-W he ISI Plan, General Requ		that penetrates the nozzle into the
O2.H2.1.0007	2-PIA1-12			·				
	Class 1 50	ISI-OCN2-007	NDE-35	PT	CS-Inconel	2.250 / NA		H02.001.007
Circumferential Dissimilar		OM-1201-1521						
			Mounting Bos	s to Pipe				
			RTE Mounting Reference Se	Boss Pc.5	8 to Pipe Pc.56 e (St Plan, Ger	i. The diameter of hole that teral Requirements.	at penetrates the nozzle into	RCP 2A1 Suction Piping = .613.
O2.H3.1.0012	2-03-18-45							
	Class 2 03	2-03-18 (2)	NDE-946	UΤ	CS	1.219 / 24.00	•	H03.001.012
O'm and a second of		O-ISIN4-121B-2.3					Step Wedge	
Circumferential							. •	•
			Pipe to Pipe			•		
				E-600 shou	ild be used for	angle beam inspection and	d Procedure NDE-946 shoul	d be used for thickness
			measurement	s on this we	eld.		Oconee Design Basis Grou	
O2.H3.1.0012	2-03-18-45							
	Class 2 03	2-03-18 (2)	PDI-UT-1	`ur	CS	1.219 / 24.00	0 PDI-UT-1-O	H03.001.012
		O-ISIN4-1218-2.3	*				PDI-UT-1A-O	
Circumferential		•						
			Pipe to Pipe					
		÷	•	E-600 shou	ild be used for a	angle beam inspection and	d Procedure NDE-946 should	d be used for thickness

Summary Num	Component I		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Com	oonenet ID 2
Category ELC										
O2.H3.1.0013	2-03-18-44AA							,		
	Class 2 03	2-03-18 (2)	NDE-946	UT	CS		1.219 / 24.000			H03.001.013
Circumferential		O-ISIN4-121B-2.3						Step Wedge	•	,
Circumbiential										
			Pipe to Valve	2FDW-37			•			
			Procedure NC measurement	E-600 shoul	d.			Procedure NDE-946 Iconee Design Basis	should be used for thickness Group.	
O2.H3.1.0013	2-03-18-44AA		•			<del></del> -				
02.1101,110010	Class 2 03	2-03-18 (2)	PDI-UT-1	UT	cs		1.219 / 24.000	PDI-UT-1A-O		H03.001.013
1		O-ISIN4-121B-2.3			•			PDI-UT-1-O		
Circumferential										
•										
	•		Pipe to Valve							
			measurement	s on this wel	d.	Ū	•	Procedure NDE-946 conee Design Basis	should be used for thickness Group.	
O2.H3.1.0014	2-03-18-44AB									
	Class 3 03	2-03-18 (2)	NDE-946	UΤ	CS		1.219 / 24.000			H03.001.014
•		O-ISIN4-121B-2.3						Step Wedge		
Circumferential		•								
•										
		•	Valve 2FDW-3	•	d ba		. learnesties and f	Dronadura NIDE 046	abouted by used for thirtings	
•			measurements	on this well	d.	-		conee Design Basis	should be used for thickness Group.	
O2.H3.1.0014	2-03-18-44AB				····					
•	Class 3 03	2-03-18 (2)	PDI-UT-1	UT	CS		1.219 / 24.000	PDI-UT-1A-O		H03.001.014
		O-ISIN4-121B-2.3						PDI-UT-1-O		
Circumferential									•	
		•	Valva astru	7 to Dino		•				
			measurements	E-600 should s on this weld	d.	_		Procedure NDE-946 conee Design Basis	should be used for thickness Group.	
,										

Summary Num	Component II		Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
	Ciass / System	111	Description Comments						
Category ELC									
O2.H3.1.0015	2-03-18-46G								
	Class 2 03	2-03-18 (2) O-ISIN4-121B-2.3	NDE-946	UT	CS		1.219 / 24.000	Step Wedge	H03.001.015
Circumferential									
			Elbow to Pipe						
									nell Subassembly (elbow to pipe)
			Procedure NE	E-600 should	d be used for		weld 1-03-18-46 inspection and	5. Procedure NDE-946 should	be used for thickness
			measurement Inspection res			to Timothy.	D. Brown of the C	Oconee Design Basis Group	<b>).</b>
O2.H3.1:0015	2-03-18-46G								
	Class 2 03	2-03-18 (2)	PDI-UT-1	UΥ	CS		1.219 / 24.000		H03.001.015
<b>~</b>		O-ISIN4-121B-2.3						PDI-UT-1-O	
Circumferential									
			Elbow to Pipe						
			Weld 2-03-18	46 is a pipe t	o elbow weld	located on	iso 2-03-18(2). V weld 1-03-18-46	Veld 2-03-18-46G is a Grin	nell Subassembly (elbow to pipe)
			Procedure ND	E-600 should	be used for			o. Procedure NDE-946 should	be used for thickness
·			measurement			o Timothy (	). Brown of the O	conee Design Basis Group	
O2.H3.1.0016	2-03-18-46		порескиот гео			o milotriy E			•
021.75,7.00.10	Class 3 03	2-03-18 (2)	NDE-946	UT	cs		1.219 / 24.000		H03.001.016
		O-ISIN4-121B-2.3						Step Wedge	
Circumferential									
-			Pipe to Elbow						
•			Procedure ND measurement			angle beam	inspection and I	Procedure NDE-946 should	be used for thickness
						o Timothy D	. Brown of the O	conee Design Basis Group	•

Summary Num	Component II Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category ELC								•	
O2.H3.1.0016	2-03-18-46								
	Class 3 03	2-03-18 (2)	PDI-UT-1	UT	CS		1.219 / 24.000		H03.001.016
Circumferential		O-ISIN4-121B-2.3						PDI-UT-1-O	<u>:</u>
Circumerential									
			Pipe to Elbow						•
-			measurement	s on this wel	d.	•	•	Procedure NDE-946 should	
			Inspection res	ults should t	oe forwarded	to Timothy L	). Brown of the O	conee Design Basis Group	ρ.
O2.H4.1.0015	2-03-1401A-H4		NDE 05		00		0.000 / 0.4.000		1104 004 045
	Class 3 03	2-03-01	NDE-25	MT	ÇS		0.322 / 24.000		H04.001.015, H04.001,015A
Mech Snubber		O-ISIN4-1218-2.3		•					
				15A) Perform c Particle ex	aminations (v	ith the use	ittachment welds. of procedure NDE		n carbon steel material in lieu of or in
O2.H4.1.0015	2-03-1401A-H4								
	Class 3 03	2-03-01	NDE-66	VT-3	CS		0.322 / 24.000		H04.001.015, H04.001.015A
Mech Snubber		O-ISIN4-121B-2.3							
				5A) Perform c Particle ex	aminations (w	ith the use o	ttachment welds.		n carbon steel material in lieu of or in
O2.H4.1.0016	2-03-0-1401A-F	R12				-			
	Class 3 03	2-03-01/sht.1	NDE-25	MT	cs		1.000 / 24.000		H04.001.016, H04.001.016A
Mech Snubber		O-ISIN4-121B-2.3							
				16A) Perform c Particle ex	aminations (w	ith the use o	attachment welds of procedure NDE		n carbon steel material in lieu of or in

Summary Num	Component I Class / Syste		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category ELC									
O2.H4.1.0016	2-03-0-1401A	-R12							
·	Class 3 03	2-03-01/sht.1	NDE-66	VT-3	cs		1.000 / 24.000		H04.001.016 H04.001.016
Mech Snubber		O-ISIN4-121B-2.3							
?							•		
				16A) Perfornic Particle ex	aminations (w	ith the use o	attachment welds. of procedure NDE-	-25) may be performed on	carbon steel material in lieu of or in
O2.H4.1.0017	2-03-0-551-H6	55							
•	Class 3 03	2-03-01/sht.1	NDE-66	VT-3	NA		0.000 / 24.000		H04.001.01
Rigid Support		O-ISIN4-121B-2.3					•		
·			Calculation N	o. OSC-454.			·		
O2.H4.1.0018	2-03-0-1401A-	-R13							
	Class 3 03	2-03-01/sht.1	NDE-66	VT-3	NA		0.000 / 24.000	•	H04.001.018
Mech Snubber		O-ISIN4-121B-2.3							
			Calculation N	o. OSC-454.					
O2.H4,1.0019	2-03-0-551-H5	59							
	Class 3 03	2-03-01/sht.1	NDE-25	MT	CS		1.500 / 24.000		H04.001.019, H04.001.019A
Spring Hgr		O-ISIN4-121B-2.3							
				19A) Perform c Particle exa	aminations (w	ith the use o	tachment welds. f procedure NDE-	25) may be performed on o	carbon steel material in lieu of or in
O2.H4.1.0019	2-03-0-551-H5	i9				***			
•	Class 3 03	2-03-01/sht.1	NDE-66	VT-3	cs		1.500 / 24.000		H04.001.019, H04.001.019A
Spring Hgr		O-ISIN4-1218-2.3		-					
·				9A) Perform c Particle exa	ıminations (wi	ith the use o	tachment welds. f procedure NDE-	25) may be performed on o	carbon steel material in lieu of or in

Summary Num	Component II Class / Syster		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Co	omponenet ID 2
Category ELC									·	
O2.H4.1.0020	2-03-0-551-H5	8	•							
	Class 3 03	2-03-01/sht.1	NDE-25	MT	CS	•	0.322 / 24.000			H04.001.020
Spring Hgr		O-ISIN4-121B-2.3								1104.001.0207
			Note: Magnet conjunction w	20A) Perform ic Particle ex ith liquid pen	aminations (v etrant examir	vith the use ations.	•	, , ,	med on carbon steel materi ension is needed, a field me	
O2.H4.1.0020	2-03-0-551-H58	8		·						
	Class 3 03	2-03-01/sht.1	NDE-66	VT-3	CS		0.322 / 24.000			H04.001.020, H04.001.020A
Spring Hgr		O-ISIN4-121B-2.3								
			Note: Magneti conjunction w	ic Particle ex ith liquid pend	aminations (w etrant examin	ith the use ations.	•		ned on carbon steel materi	
O2.H4.1.0021	2-FPA-27	O ICINA 1010 0 2	NDC 05	МТ	CS		1 000 / 04 000			1104 004 004
•	Class 3 03	O-ISIN4-121B-2.3	NDE-25	MT	CS .		1.000 / 24.000		•	H04.001.021, H04.001.021A
		O-494 O-60M								
				21A) Perform ic Particle exa	aminations (w	ith the use	attachment welds, of procedure NDE-	25) may be perform	ned on carbon steel materia	al in lieu of or in
O2.H4.1.0021	2-FPA-27									
<b>y</b>	Class 3 03	O-ISIN4-121B-2.3	NDE-66	VT-3	CS		1.000 / 24.000			H04.001.021, H04.001.021A
		O-494 O-60M								
·				21A) Perform c Particle exa	minations (w	ith the use (	attachment welds. of procedure NDE-	25) may be perform	ned on carbon steel materia	al in lieu of or in
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Summary Num	Component IE Class / Systen		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Con	nponenet ID 2
Category ELC										
O2.H4.1.0022	2-FPA-25 Class 3 03	O-ISIN4-121B-2.3	NDE-25	мт	cs		1.000 / 24.000			H04.001.022, H04.001.022
		O-494 O-60M								1104.001.022
				22A) Perform ic Particle ex	aminations (v	rith the use	attachment welds. of procedure NDE	-25) may be performed or	n carbon steel material	in lieu of or in
O2.H4.1.0022	2-FPA-25		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		,		
	Class 3 03	O-ISIN4-121B-2.3	NDE-66	VT-3	cs		1.000 / 24.000			H04.001.022, H04.001.022A
		O-494 O-60M	,							
			Rupture Restr (H04.001.02 Note: Magneti conjunction wi	22A) Perform c Particle exa	aminations (w	ith the use (	attachment welds. of procedure NDE	-25) may be performed on	carbon steel material	in lieu of or in
Category F-A										
O2.F1.10.0002	2-51A-0-1479A	-H16A								
	Class 1 51A	0-2RB-25315-03	NDE-66	VT-3	NA		0.500 / 2.500			F01.010.012
Rigid Support		O-ISIN4-101A-2.4						•		
			Calculation No	o. OSC-1324-	06. HPI East	Coolant Lo	op.			
O2.F1.10.0007	2-53A-0-1478A	-H2A			-					
Rigid Restraint	Class 1 53A	O-ISIN4-102A-2.3	NDE-66	VT-3	NA		0.000 / 14.000			F01.010.031
		2-53-13/sht.1	Calculation No	000.1219						
00.54.44.0000			Calculation No	). USC-1316.		<del></del>		<del></del>		
O2.F1.11.0002	2-51A-0-1478A-	H1C 0-2RB-25112-01	NDE-66	VT-3	NA		0.154 / 2.500			F01.011.012
Rigid Restraint		O-ISIN4-101A-2.1	1406-00	¥1-3	NA		0.10-7 2.500			101.011.012
			Calculation No							

Summary Num	Component II Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks C	omponenet ID 2
Category F-A		<u> </u>	Comments			<u>_</u>			
O2.F1.11.0005	2-53-0-1478A-	H4	·						
·	Class 1 53	0-2RB-25310-03	NDE-66	VT-3	NA	(	0.258 / 12.000		F01.011.021
Rigid Restraint	•	O-ISIN4-102A-2.1							
			Calculation N	o. OSC-132	D-06.				
O2.F1.12.0001	2-50-0-1480A-	H11							
	Class 1 50	0-2RB-25314-01	NDE-66	VT-3	NA 1		0.000 / 2.500		F01,012.001
Hyd Snubber	,	O-ISIN4-100A-2.2		-					
			Calculation N	o. OSC-1324	-06				
O2.F1.12.0006	2-51A-0-1478A	1-H2C			······································				······································
	Class 1 51A	0-2RB-25112-01	NDE-66	VT-3	NA		0.000 / 2.500		F01.012.012
Spring Hgr		O-ISIN4-101A-2.1							
			Calculation No	o. OSC-1324	-06.				
O2.F1.20.0001	2-01A-0-1441-l	H14							
	Class 2 01A	2-01-01/sht.1	NDE-66	VT-3	NA	c	0.750 / 36.000		F01.020.001
Rigid Support		O-ISIN4-122A-2.1							
			Calculation No	o. OSC-440.	Inspect with C	03.020.002.			
O2.F1.20.0006	2-03-0-1480A-I	H10A	·						
	Class 2 03	0-1490B-4(S)	NDE-66	VT-3	NA ·	c	0.365 / 24.000	•	F01.020.012
Rigid Support		O-ISIN4-121B-2.3							
•		2-03-05/sht.3						•	
· · · · · · · · · · · · · · · · · · ·			Calculation No	o. OSC-1316	06(Vol.B).				
O2.F1.20.0007	2-03A-1-0-1439	9A-R61							
	Class 2 03A	2-03A-05/sht.1	NDE-66	VT-3	NA	(	0.000 / 6.000		F01.020.013
Rigid Support		O-ISIN4-121D-2.1							
			Calculation No	o. OSC-447.					
O2.F1.20.0015	2-51A-436E-FA	C-2802							
		0-2AB-25101-05	NDE-66	VT-3	NA	(	0.750 / 2.000		F01.020.043
Rigid Support		O-ISIN4-101A-2.2			*	·			
			Calculation No	o. OSC-479. I	nspect with C	03.020.037.			
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Summary Num	Component ID ISO/DWG Numb Class / System	ers Procedure Description Comments	insp Req	Material	Sched	Thick/NPS	Cal Blocks	Con	nponenet ID 2
Category F-A									
O2.F1.20.0019	2-51A-6-0-435B-SR59								
Řigid Support	Class 2 51A 0-2AB-25102-02 O-ISIN4-101A-2.3	NDE-66	VT-3	· NA		0.000 / 6.000			F01.020.04
		Calculation N	o. OSC-481						
O2.F1.20.0020	2-51A-3-0-1439A-SR160								
Rigid Support	Class 2 51A 0-2AB-25103-01 O-ISIN4-101A-2.1	NDE-66	VT-3	NA	•	0.000 / 2.500			F01.020.048
		Coloulation M	- 000 400						
O2.F1.20.0028	2-51A-2-0-1439C-H16	Calculation N	0. USC-480.						<del></del>
O2.F1.20.0026	Class 2 51A 2-51-18/sht.6	NDE-66	VT-3	NA		0.000 / 4.000			F01.020.056
Rigid Support	O-ISIN4-101A-2.4								
		Calculation N	o. OSC-102:	3.					
O2.F1.20.0034	2-53B-2-0-436E-H9								
Rigid Support	Class 2 53B 0-2AB-25102-02 O-ISIN4-101A-2.3	NDE-66	VT-3	NA		0.125 / 6.000			F01.020.072
		Calculation No	o. OSC-481.	Inspect with	C03.020.048	<b>3.</b>			
O2.F1.20.0036	2-53B-2-0-436E-H3								
Rigid Support	Class 2 53B 0-2AB-25302-01 O-ISIN4-102A-2.2	NDE-66	VT-3	NA		0.280 / 14.000			F01.020.074
		Calculation No	o. OSC-487.	Inspect with	003.020.046	<b>i.</b>			
O2.F1.20.0047	2-53B-0-1439B-H30								
	Class 2 53B 0-2AB-25302-01	NDE-66	VT-3	NA		0.125 / 10.000			F01.020.085
Rigid Support	O-ISIN4-102A-2.2						•		
		Calculation No	o. OSC-493.	Inspect with (	03.020.049	<b>.</b>			
O2.F1.20.0053	2-54A-3-0-1439B-R42							<u></u>	
	Class 2 54A 2-54-03/sht.1	NDE-66	VT-3	NA		0.000 / 8.000			F01.020.095
Rigid Support	O-ISIN4-103A-2.1								
		Calculation No	o. OSC-496.						
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Summary Num	Component I Class / Syste		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks Co	emponenet ID 2
Category F-A			001111111111111111111111111111111111111			_			
O2.F1.20.0057	2-56-2-0-4380	C-SR15							
Rigid Support	Class 2 56	4-56-02/sht.5 O-ISIN4-104A-1.1	NDE-66	VT-3	ŅA		0.000 / 8.000		F01.020.101
			Calculaton No	. OS-421.					ı
O2.F1.20.0223	2-14B-0-1480/	A-H22F			**************************************				
Rigid Restraint		2-14-14/sht.1 O-ISIN4-124B-2.2	NDE-66	VT-3			0.000 / 8.000		F01.020.
			Calculation No	o. OSC-1325	i-06.				
O2.F1.20.0342	2-55-1-0-1439	C-H18							
	Class 2 55	OSC-498 O-ISIN4-144A-2.2	NDE-66	VT-3	CS		0.322 / 8.000		
			Rigid Support						
<del></del>			Calculation No	o. OSC-498.	·. ·				
O2.F1.21.0001	2-03-0-1481A-	H11A -							
Rigid Restraint	Class 2 03	0-1490B-4(S) O-ISIN4-121B-2.3 2-03-05/sht.3	NDE-66	VT-3	NA	(	0.500 / 24.000		F01.021.011
		2 00 00/0/100	Calculation No	o. OSC-1316	-06(Vol.B). In	spect with C0	3.020.011.		
O2.F1.21.0006	2-14B-0-1479A	\_H17F							
Rigid Restraint		0-2RB-21410-04 O-ISIN4-124B-2.2	NDE-66	VT-3	NA		0.000 / 8.000		F01.021.024
			Calculation No	o. OSC-1325	-09.				
O2.F1.21.0012	2-20B-1485A-F	15462							
Rigid Restraint	Class 2 20B	0-2AB-220B01-01 O-ISIN4-116A-2.1	NDE-66	VT-3	NA	(	0.000 / 48.000		F01.021.031
			Calculation No	. OSC-3637					
O2.F1.21.0013	2-51-0-A36H-S	SR17							
Rigid Restraint	Class 2 51	0-2AB-25101-02 O-ISIN4-101A-2.2	NDE-66	VT-3	NA		0.500 / 2.500		F01.021.041
			Calculation No	. OSC-479.	Inspect with C	03.020.031.			
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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									
O2.F1.21.0026	2-51B-436J-DE004				-			<u> </u>	
Rigid Restraint	Class 2 51B 0-2AB-25108-01 O-ISIN4-101A-2.2	NDE-66	VŤ-3	NA ·		0.000 / 2.500			F01.021.054
	••	Calculation N	o. OSC-485.						
O2.F1.21.0027	2-53B-0-435B-DE049						-		
Rigid Restraint	Class 2 53B 0-2AB-25301-01 O-ISIN4-102A-2.2	NDE-66	VT-3	NA	٠	0.500 / 14,000		÷	F01.021.061
		Calculation N	o. OSC-487.	Inspect with 0	03.020.04	4.			•
O2.F1.21.0035	2-54A-3-0-1439C-DE017			<del></del>					171
Rigid Restraint	Class 2 54A •2-54-03/sht.1 O-ISIN4-103A-2.1	NDE-66	VT-3	NA		0.000 / 8.000			F01.021.072
		Calculation N	o. OSC-496.						
O2.F1.21.0074	2-53B-0-1439B-H28								
Rigid Restraint	Class 2 53B 0-2AB-25302-01 O-ISIN4-102A-2.2	NDE-66	VT-3			0.125 / 10.000		· ·	F01.021.
\$ 1 × 1	*	Calculation N	o. OSC-493.			•			
O2.F1.21.0208	2-14B-50-PEN # 33								
	Class 2 14B 2-14B-50 O-ISIN4-124B.2.2	NDE-66	VT-3,	NA		0.750 /8.000			****
		Calculation # 8 Inch Pipe Type I Penetri		_		lumber 2-14-14 sht. ration # 33.	.1	•	
O2.F1.21.0220	2LP-150-PEN # 15								-
•	Class 2 53B 2LP-150 O-ISIN4-102A-2.2	NDE-66	VT-3	NA		0.750 /10.000			
		Calculation Of 10 Inch Pipe Type II Peneti				ration # 15.		·	

Summary Num	Component ID ISO/DWG Num Class / System	bers Procedure  Description  Comments	Insp Req	Material	Sched Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A							
O2.F1.21.0229	2-55-1-0-1439C-DE001						
	Class 2 55 OSC-498 O-ISIN4-144A-2.2	NDE-66	VT-3	cs	0.00 / 8.000		
		Rigid Restrain	ì				
		Calculation No Rigid restraint		lid side of per	netration # 54.		
O2.F1.22.0006	2-01A-3-0-1401B-R7			,			
i	Class 2 01A 2-01-04/sht.2	NDE-66	VT-3	NA	0.000 / 12.000		F01.022.006
Hyd Snubber	O-ISIN4-122A-2.1						
		Calculation No	OSC-443.				·
O2.F1.22.0017	2-53B-4-0-435B-H16	•				•	
	Class 2 53B 0-2AB-25301-01	NDE-66	VT-3	NA	0.237 / 14.000		F01.022.051
Spring Hgr	O-ISIN4-102A-2.2						•
		Calculation No	. OSC-487.				·
O2.F1.30.0008	2-03A-1-0-1439A-H30						
	Class 3 03A 2-03A-05/sht.4	NDE-66	VT-3	NA	0.000 / 6.000		F01.030.015
Rigid Support	O-ISIN4-121D-2.1					• -	
		Calculation No	. OSC-447.				
O2.F1.30.0018	2-03A-1401A-GC-0802						
	Class 3 03A 2-03A-06/sht.1	NDE-66	VT-3	NA	0.000 / 6.000		F01.030.025
Rigid Support	O-ISIN4-121D-2.1						
	·	Calculation No	OSC-459.				
O2.F1.30.0022	2-03A-1-0-1439C-H6						
•	Class 3 03A 2-03A-09/sht.2	NDE-66	VT-3	NA	0.000 / 6.000		F01.030.029
Rigid Support	O-ISIN4-121D-2.1	•					
	•	Calculation No.	OSC-450				

Summary Num	Component ID ISO/DWG Class / System	Numbers Procedure  Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Cos	mponenet ID 2
Category F-A									
O2.F1.30.0026	2-07A-1400A-DE002 Class 3 07A 2-07-01/sht.1	NDE-66	VT-3	NA		0.000 / 24.000			F01.030.043
Rigid Support	O-ISIN4-121A	<b>A-2.7</b>				•			
		Calculation N	o. OSC-467	•					
O2.F1.30.0028	2-07A-0-1400A-SR7								
Rigid Support	Class 3 07A 2-07-02/sht.2 O-ISIN4-121A		VT-3	NA		0.000 / 8.000			F01.030.045
		Calculation N	o. OSC-466	•					
O2.F1.30.0029	2-07A-1400A-DE022				· · · · · · · · · · · · · · · · · · ·	-			
Rigid Support	Class 3 07A 2-07-02/sht.3 O-ISIN4-121A	NDE-66 1-2.8	VT-3	NA		0.000 / 8.000	,		F01.030.046
		Calculation N	o. OSC-466	•					
O2.F1.30.0037	2-14B-0-1439B-RJP-3101								
Rigid Support	Class 3 14B 2-14-06/sht.2 O-ISIN4-124B	NDE-66 1-2.2	VT-3	NA		0.187 / 8.000			F01.030.074
		Calculation N	o. OSC-475	. Inspect with I	D01.020.063	k.			
O2.F1.30.0045	2-14B-1439A-H5559								
Rigid Support	Class 3 14B O-ISIN4-124B 2-14-06	NDE-66 I-2.2	VT-3	NA		0.000 / 6.000			F01.030.083
		Calculation No	o. OSC-475						
O2.F1.30.0046	2-14B-1439A-H5558								
: Rigid Support	Class 3 14B O-ISIN4-124B 2-14-06	NDE-66 -2.2	VT-3	NA		0.000 / 6.000			F01.030.084
		Calculation No	o. OSC-475						
O2.F1.30.0286	2-03A-1-0-1439A-H19								
Rigid Support	Class 3 03A 2-03A-06/sht.2 O-ISIN4-121D		VT-3			0.000 / 6.000			F01.030.
		Calculation No	o. OSC-459.			_			
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Summary Num	Component ID I	SO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched Thick/NPS	Cal Blocks Co	mponenet ID 2
Category F-A								
O2.F1.31.0005	2-03A-1-0-1401B-S	SR5					_	
	Class 3 03A 2-0	3A-05/sht.5	NDE-66	VT-3	NA	1.000 / 6.000	•	F01.031.014
Rigid Restraint	0-1	SIN4-121D-2.1				•		
•			Calculation No	o. OSC-447.	Inspect with D	01.020.017.		
O2.F1.31.0011	2-03A-1-0-437B-H2	2						
i .	Class 3 03A 2-0	3A-09/sht.3	NDE-66	VT-3	NA	0.500 / 6.000		F01.031.020
Rigid Restraint	0-1	SIN4-121D-2.1			·			
			Calculation No	o. OSC-450.	Inspect with D	01.020.020.		
O2.F1.31.0019	0-14-447B-H7027							
ı	Class 3 14 4-1	4-02/sht.1	NDE-66	VT-3	NA	0.000 / 6.000		F01.031.061
Rigid Restraint	O-1:	SIN4-133A-2.5						
			Calculation No	o. OSC-1224	-26.			
O2.F1.31.0020	2-14B-1439C-H518	4	· · · · · · · · · · · · · · · · · · ·					
	Class 3 14B 0-2	AB-203A14-02	NDE-66	VT-3	NA	0.000 / 6.000		F01.031.062
Rigid Réstraint	O-19	SIN4-121D-1.2						
			Calculation No	o. OSC-394.				
O2.F1.31.0024	2-14B-1400A-JEJ-2						-	
	Class 3 14B 4-14	4-04/sht.2	NDE-66	VT-3	NA	0.000 / 18.000		F01.031.066
Rigid Restraint	O-1	SIN4-124B-2.1						
		·	Calculation No	o. OSC-474.				
O2.F1.31.0026	0-14C-447A-H7039	•						
•	Class 3 14C 4-14	4-12/sht.1	NDE-66	VT-3	NA	1.000 / 6.000		F01.031.068
Rigid Restraint	O-15	SIN4-133A-2.5				•		
			Calculation No	. OSC-1224-	26. Inspect w	th D01.020.069.		
O2.F1.32.0005	2-03A-1-0-437B-H1							
	Class 3 03A 2-03	3A-09/sht.3	NDE-66	VT-3	NA	0.125 / 6.000		F01.032.013
Spring Hgr	O-15	SIN4-121D-2.1						
			Calculation No	. OSC-450. I	nspect with D	01.020.019.		
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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 F-A									
O2.F1.32.0009	2-07A-1400A-	JLM-2102							1
Spring Hgr	Class 3 07A	2-07-01/sht.1 O-ISIN4-121A-2.7	NDE-66	VT-3	NA		0.000 / 24.000		F01.032.022
			Calculation N	o. OSC-467.					
O2.F1.32.0016	2-57-0-1481A-	H7							
Hyd Snubber	Class 3 57	0-2RB-25701-01 O-ISIN4-100A-2.2	NDE-66	VT-3	NA		0.000 / 8.000		F01.032.063
· 			Calculation N	o. OSC-1332	··06				
O2.F1.40.0002	2-SGB-SKIRT Class 1 50	OM-201.S-0001 O-ISIN4-100A-2.1 OM-201.S033.001	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.002
			Steam Gener	ator 2B Supp	ort Skirt (Stoo	l) to Lower I	Head.		
O2.F1.40.0014	2-RBCC-A Class 3 14B	OM-201-85 O-ISIN4-124B-2.1 O-437C	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.014
			Reactor Build	ing Compone	ent Cooler 2A	Support. Dra	awing O-437C was	s added to show the stacking	arrangement of Coolers.
O2.F1.40.0021	2-HPI-PU-A Class 2 51A	OM-201-1704 O-ISIN4-101A-2.3	NDE-66	VT-3	NA -		0.000 / 0.000		F01.040.021
· · · · · · · · · · · · · · · · · · ·			High Pressure	Injection Pu	mp 2A.				

Summary Num	Component ID Class / System		Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category Q-A									
O2.Q1.1.0003	2RC-326-22V								
	Class 1 50	O-ISIN4-100A-2.1 OM-1201-3213	PDI-UT-8	υT	SS-CS		/ 10,000	DE-13-AX-01 DE-13-CIRC-01	
Terminal End Dissimilar Stress Weld		ISI-OCN2-002							
			Weld Overlay						
			where the well Weld 2RC-320 Inspection in coverlaid items (25%) for App	d is located 5-22V is we outage 4 do that is requendix Q.	on the PZR Si id overlay that es not count in ired to be exar	irge nozzle t covers weld the percent nined during	to SE weld loca 2-PZR-WP23. ages. The inspe the 10 year int	lion.	02 is listed as the iso to show 25% of the population of weld es count in the percentages
O2.Q1.1.0004	2-PZR-WP91-1	-WOL							
·	Class 1 50	O-ISIN4-100A-2.1 OM-1201-3211	PDI-UT-8	UT	SS-CS		/ 2.500	DE-6-AX-01 DE-6-CIRC-01	
Terminal End Dissimilar		ISI-OCN2-002							
			Weld Overlay						
			it and now use Q. The inspec 10 year interva	s the ID 2-lition in outag II. The inspiral	PZR-WP91-1-V ge 5 is part of t action of this w	VOL. Inspec ne 25% of the eld in outage	tion in outage 4 ne population of a 5 does count i	does not count in the percent	VP91-1 has weld overlay added to age required (25%) for Appendix juired to be examined during the appendix Q.
O2.Q1.1.0008	2-51A-35-136V				•		C		
	Class 1 50	ISI-OCN2-009 2-51A-35 (01)	PDI-UT-8	UT	CS-Inconel		/ 3.500	SI-4-AX-02 SI-4-CIRC-02	•
Dissimilar Stress Weld		O-ISIN4-100A-2.1							
			Weld Overlay						
			examined per OCN2-009 to I Inspection in o Weld overlay of	Appendix Q nelp show it utage 5 (EC covers CS to	. This weld is s 's location on t DC-25) does no Inconel and I	hown on isone RCP 2B1 of count in the aconel to SS	2-51A-35 (01) suction piping. se percentages (6).		35-15A. The overlay will be the ISI data base on weld iso ISI-
rinted 01/24/12 gds58	341 v. 06/18/09		<del></del>		<del></del>	A Cat "C"			2012 7:33:13 AM Page 69 of

Summary Num	Component ID	ISO/DWG Number	rs P	rocedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks		Componenet ID 2
	Class / System			escription	•	٠,					
-			- C	omments		End of Rep	va#				
						Lild of Hep					
	STATIST	ICS ONLY CI	ass 1 13	34 Clas	s 2 93	Class 3 44	Total	by Class 271	Systems	271	Total Count 271

## 4.0 Results Of Inspections Performed

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

## 4.1 Reportable Indications

EOC 25 (Outage 5) did not have any reportable indications during this report period.

## 4.2 Corrective Action

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

### 4.3 Corrective Measures

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

## 4.4 Limited Examinations

Limited examinations (i.e., 90% or less of the required examination coverage obtained) identified during EOC 25 (Outage 5) are shown in the table below.

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

Summary/Item Number	Description of Limitation
O2.B3.110.0004	See PIP O-11-15240 for corrective action on this limitation
O2.B9.11.0047	See PIP O-11-15240 for corrective action on this limitation
O2.B9.11.0052	See PIP O-11-15240 for corrective action on this limitation
O2.B9.11.0065	See PIP O-11-15240 for corrective action on this limitation
O2.B9.11.0162	See PIP O-11-15240 for corrective action on this limitation
O2.C5.11.0012	See PIP O-11-15240 for corrective action on this limitation
O2.C5.11.0018	See PIP O-11-15240 for corrective action on this limitation
O2.C5.11.0047	See PIP O-11-15240 for corrective action on this limitation
O2.C5.11.0048	See PIP O-11-15240 for corrective action on this limitation
O2.C5.11.0081	See PIP O-11-15240 for corrective action on this limitation
O2.C5.11.0082	See PIP O-11-15240 for corrective action on this limitation
O2.C5.11.0083	See PIP O-11-15240 for corrective action on this limitation
O2.C5.21.0042	See PIP O-11-15240 for corrective action on this limitation

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

# DUKE ENERGY CORPORATION QUALITY ASSURANCE TECHNICAL SERVICES

### Scheduleworks

# Inservice Inspection Database Management System Inspection Results

Oconee 2, 4th Interval, Outage 5 (EOC-25)

					Examination	n results t	or 2EUC	
Summary No	Component ID	System	Insp Date	insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B10.10.0012	2-SGB-W15	50	11/08/11	CLR	N	N	N	UT-11-888 (Page 1)
٠		50	11/08/11	CLR	· N	N	N	UT-11-888 (Page 2)
		50	11/08/11	CLR	N	N	N	UT-11-889
O2.B10.20.0003	2-51A-0-1479A-H16A	51A	11/04/11	CLR	N	N	N	PT-11-370
O2.B10.20.0005	2-51A-0-1478A-H1C	51A	11/03/11	CLR	N	N	N	PT-11-363
O2.B10.20.0006	2-53-0-1478A-H4	53	11/09/11	CLR	N	N -	N	PT-11-373
O2.B15.210,0001	2RC-278-66	50	10/23/11	CLR	N	N	N	VT-11-878
O2.B15.210.0002	2RC-278-70V	50	10/23/11	CLR	N	N .	N	VT-11-847
O2.B15.210.0003	2RC-277-50	50	10/22/11	CLR	N	N	N	VT-11-866
O2.B15.210.0004	2RC-277-71V	50	10/22/11	CLR	N	N	N	VT-11-870
O2.B15.210.0005	2RC-278-23	50	10/23/11	CLR	N	N	N	VT-11-848
O2.B15.210.0006	2RC-278-69	50	10/23/11	CLR	N	N	N	VT-11-849

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment	
O2.B15.210.0007	2RC-277-24	50	10/22/11	CLR	N	N	N	VT-11-871	
O2.B15.210.0008	2RC-277-70	50	10/22/11	CLR	N	N	N	VT-11-872	
O2.B15.210.0009	2-PHA-13	50	10/23/11	CLR	N	N	N	VT-11-850	
O2.B15.210.0010	2-PHA-14	50	10/23/11	CLR	N	N	N	VT-11-851	
O2.B15.210.0011	2-PHA-15	50	10/23/11	CLR	N	N	N	VT-11-852	
O2.B15.210.0012	2-PHB-13	50	10/22/11	CLR	N	N	N	VT-11-867	
O2.B15.210.0013	2-PHB-14	50	10/22/11	CLR	N	N	N	VT-11-873	
O2.B15.210.0014	2-PHB-15	50	10/22/11	CLR	N	N	N	VT-11-868	
O2.B15.210.0015	2SGA-HL-CON-36	50	10/23/11	CLR	N	N	N	VT-11-853	
O2.B15.210.0016	2SGB-HL-CON-27	50	10/22/11	CLR	N	N	N	VT-11-875	
O2.B15.215.0005	2-PIA1-7	50	10/23/11	CLR	N .	N	N	VT-11-854	
O2.B15.215.0006	2-PIA2-7	50	10/23/11	CLR	N .	N	N	VT-11-855	
O2.B15.215.0009	2-PDA1-2	50	10/23/11	CLR	N	N	N	VT-11-856	-
D2.B15.215.0010	2-PDA2-2	50	10/23/11	CLR	N	N	N	VT-11-876	
	· · · · · · · · · · · · · · · · · · ·								

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B15.215,0014	2RC-279-19AA	50	10/22/11	CLR	N	N	N	VT-11-874
O2.B15.215.0015	2RC-279-20	50	10/22/11	CLR	N	N	N	VT-11-869
O2.B15.215.0016	2-PIA1-11	50	10/23/11	CLR	N	N	N	VT-11-857
D2.B15.215;0017	2-50-7-29	50	10/23/11	CLR	N	N	N	VT-11-858
D2.B15.215.0018	2-PIA2-11	50	10/23/11	CLR	N	N	N	VT-11-859
O2.B15.215.0019	2-50-7-14	50	10/23/11	CLR	N	N	N	VT-11-860
D2.B15.215.0024	2-PIA1-12	50	10/23/11	CLR	N	N	N	VT-11-861 .
D2.B3.110.0004	2-PZR-WP33-2	50	10/27/11	CLR	Y	N	Y	UT-11-863 (Page 1) Percentage of coverage <90%. Reference PIP 0-11-15240.
	·	50	10/27/11	CLR	Y	N	Y	UT-11-863 (Page 2) Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	10/27/11	CLR	Y	N	Y	UT-11-863 (Page 3) Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	10/27/11	CLR	Y	N	Υ	UT-11-863 (Page 4)  Percentage of coverage <90%. Reference PIP 0-11-15240.
		<b>50</b>	10/27/11	CLR	Y	N	Y	UT-11-864 Percentage of coverage <90%. Reference PIP 0-11-15240.
02.B3.120.0009	2-PZR-WP26-1	50	11/03/11	CLR	N	N	N	UT-11-865 (Page 1)

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

RPV-26-204-65	50	11/02/11						
		11/02/11	CLR	Ν.	N	N	VT-11-905	
RPV-26-204-50	50	11/02/11	CLR	N	N	N	VT-11-906	
RPV-26-204-51	50	11/02/11	CLR	N	N	N	VT-11-907	
RPV-26-204-52	50	11/02/11	CLR	. N	N,	N	VT-11-908	
RPV-26-204-53	50	11/02/11	CLR	N	N	N	VT-11-909	
RPV-26-204-54	50	11/02/11	CLR	N	N	N	VT-11-910	· · · · · · · · · · · · · · · · · · ·
RPV-26-204-55	50	11/02/11	CLR	N	N	N	VT-11-911	
RPV-26-204-56	50	11/02/11	CLR	N	N	. N	VT-11-912	
RPV-26-204-57	50	11/02/11	CLR	N	N	N	VT-11-913	
RPV-26-204-58	50	11/02/11	CLR	N	N	N	VT-11-914	
RPV-26-204-59	50	11/02/11	CLR	N '	N,	N	VT-11-915	/
RPV-26-204-60	50	11/02/11	CLR	N	N	N	VT-11-916	
RCP-2A1-NUTS	50	10/25/11	CLR	N	N	N .	VT-11-883	
RPV-25-204-41	50	11/01/11	CLR	N	N	N	UT-11-822	
	RPV-26-204-51 RPV-26-204-52 RPV-26-204-53 RPV-26-204-54 RPV-26-204-55 RPV-26-204-56 RPV-26-204-57 RPV-26-204-59 RPV-26-204-60 RCP-2A1-NUTS	RPV-26-204-51 50 RPV-26-204-52 50 RPV-26-204-53 50 RPV-26-204-54 50 RPV-26-204-55 50 RPV-26-204-56 50 RPV-26-204-57 50 RPV-26-204-59 50 RPV-26-204-60 50 RPV-26-204-60 50	RPV-26-204-51 50 11/02/11  RPV-26-204-52 50 11/02/11  RPV-26-204-53 50 11/02/11  RPV-26-204-54 50 11/02/11  RPV-26-204-55 50 11/02/11  RPV-26-204-56 50 11/02/11  RPV-26-204-57 50 11/02/11  RPV-26-204-59 50 11/02/11  RPV-26-204-60 50 11/02/11	RPV-26-204-51 50 11/02/11 CLR RPV-26-204-52 50 11/02/11 CLR RPV-26-204-53 50 11/02/11 CLR RPV-26-204-54 50 11/02/11 CLR RPV-26-204-55 50 11/02/11 CLR RPV-26-204-56 50 11/02/11 CLR RPV-26-204-56 50 11/02/11 CLR RPV-26-204-57 50 11/02/11 CLR RPV-26-204-59 50 11/02/11 CLR RPV-26-204-59 50 11/02/11 CLR RPV-26-204-60 50 11/02/11 CLR RPV-26-204-60 50 11/02/11 CLR	RPV-26-204-51 50 11/02/11 CLR N  RPV-26-204-52 50 11/02/11 CLR N  RPV-26-204-53 50 11/02/11 CLR N  RPV-26-204-54 50 11/02/11 CLR N  RPV-26-204-55 50 11/02/11 CLR N  RPV-26-204-55 50 11/02/11 CLR N  RPV-26-204-56 50 11/02/11 CLR N  RPV-26-204-57 50 11/02/11 CLR N  RPV-26-204-58 50 11/02/11 CLR N  RPV-26-204-59 50 11/02/11 CLR N  RPV-26-204-59 50 11/02/11 CLR N  RPV-26-204-60 50 11/02/11 CLR N	RPV-26-204-51 50 11/02/11 CLR N N  RPV-26-204-52 50 11/02/11 CLR N N  RPV-26-204-53 50 11/02/11 CLR N N  RPV-26-204-54 50 11/02/11 CLR N N  RPV-26-204-55 50 11/02/11 CLR N N  RPV-26-204-55 50 11/02/11 CLR N N  RPV-26-204-56 50 11/02/11 CLR N N  RPV-26-204-57 50 11/02/11 CLR N N  RPV-26-204-58 50 11/02/11 CLR N N  RPV-26-204-59 50 11/02/11 CLR N N  RPV-26-204-59 50 11/02/11 CLR N N  RPV-26-204-60 50 11/02/11 CLR N N  RPV-26-204-60 50 11/02/11 CLR N N	RPV-26-204-51 50 11/02/11 CLR N N N N RPV-26-204-52 50 11/02/11 CLR N N N N RPV-26-204-53 50 11/02/11 CLR N N N N RPV-26-204-54 50 11/02/11 CLR N N N N RPV-26-204-55 50 11/02/11 CLR N N N N RPV-26-204-56 50 11/02/11 CLR N N N N RPV-26-204-57 50 11/02/11 CLR N N N N RPV-26-204-58 50 11/02/11 CLR N N N N RPV-26-204-59 50 11/02/11 CLR N N N N RPV-26-204-59 50 11/02/11 CLR N N N N RPV-26-204-60 50 10/25/11 CLR N N N N N RPV-26-204-60 50 10/25/11 CLR N N N N N RPV-26-204-60 50 10/25/11 CLR N N N N N N RPV-26-204-60 50 10/25/11 CLR N N N N N N RPV-26-204-60 50 10/	RPV-26-204-51 50 11/02/11 CLR N N N VT-11-907  RPV-26-204-52 50 11/02/11 CLR N N N VT-11-908  RPV-26-204-53 50 11/02/11 CLR N N N VT-11-909  RPV-26-204-54 50 11/02/11 CLR N N N VT-11-910  RPV-26-204-55 50 11/02/11 CLR N N N VT-11-910  RPV-26-204-55 50 11/02/11 CLR N N N VT-11-911  RPV-26-204-56 50 11/02/11 CLR N N N VT-11-912  RPV-26-204-57 50 11/02/11 CLR N N N VT-11-913  RPV-26-204-59 50 11/02/11 CLR N N N VT-11-914  RPV-26-204-59 50 11/02/11 CLR N N N VT-11-915  RPV-26-204-60 50 11/02/11 CLR N N N VT-11-916

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment				
O2.B6.30.0042	2-RPV-25-204-42	50	11/01/11	CLR	N	N	N	UT-11-823				
O2.B6.30.0043	2-RPV-25-204-43	50	11/01/11	CLR	N	N	N	UT-11-824				
O2.B6.30.0044	2-RPV-25-204-44	50	11/01/11	CLR	N	N	N	UT-11-825	· · · · · · · · · · · · · · · · · · ·			
O2.B6.30.0045	2-RPV-25-204-45	50	11/01/11	CLR	N	N	N	UT-11-826	****		 	
O2.86.30.0046	2-RPV-25-204-46	50	11/01/11	CLR	N	N	N	UT-11-827			 	
O2.B6.30.0047	2-RPV-25-204-47	50	11/01/11	CLR	N	N	N	UT-11-828		·		
O2.B6.30.0048	2-RPV-25-204-48	50	11/01/11	CLR	N	N	N	UT-11-829				
O2.B6.30.0049	2-RPV-25-204-49	50	11/01/11	CLR	N	N	N	UT-11-830		,	· · · · · · · · · · · · · · · · · · ·	<del>.</del>
O2.B6.30.0050	2-RPV-25-204-50	50	11/01/11	CLR	N	N	N	UT-11-831				
O2.B6.30.0051	2-RPV-25-204-51	50	11/01/11	CLR	N	N	N	UT-11-832		•		
O2.B6.30.0052	2-RPV-25-204-52	50	11/01/11	CLR	N	N	N	UT-11-833				-
O2.B6.30.0053	2-RPV-25-204-53	50	11/01/11	CLR	N	N	N	UT-11-834				
O2.86.30.0054	2-RPV-25-204-54	50	11/01/11	CLR	N	N	N	UT-11-835			 	
O2.B6.30.0055	2-RPV-25-204-55	. 50	11/01/11	CLR	N	N	N	UT-11-836			 	

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B6.30.0056	2-RPV-25-204-56	50	11/01/11	CLR	N	N	N	UT-11-837
O2.B6.30.0057	2-RPV-25-204-57	50	11/01/11	CLR	N	N	N	UT-11-838
O2.B6.30.0058	2-RPV-25-204-58	50	11/01/11	CLR	N	N	N	UT-11-839
O2.B6.30.0059	2-RPV-25-204-59	50	11/01/11	CLR	N	N	ÌЛ	UT-11-840
O2.B6.30.0060	2-RPV-25-204-60	50	11/01/11	CLR	N	N	N	UT-11-841
O2.B6.50.0003	2-RPV-WASH-BUSH	50	11/01/11	CLR	. N	N	N	VT-11-917
O2.B7.50.0002	2-PZR-RC66-STUDS	50	10/24/11	CLR	N	N	N	VT-11-879
O2.B7.70.0007	2-53A-LP177-STUDS	53A	11/02/11	CLR	N	N .	N	VT-11-892
O2.B9.11.0047	2-PDA1-1	50	10/26/11	CLR	Y	N	. Y	UT-11-812 (Page 1)
								Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	10/26/11	CLR	Y	N	Y	UT-11-612 (Page 2)
•								Percentage of coverage <90%. Reference PiP 0-11-15240.
		50	10/26/11	CLR	Y	N	Y	UT-11-813 (Page 1)
								Percentage of coverage <90%. Reference PIP 0-11-15240.
,		50	10/26/11	CLR	Y	N	, <b>Y</b>	UT-11-813 (Page 2)
								Percentage of coverage <90%. Reference PIP 0-11-15240.
		50	10/26/11	CLR	Y	N	Y	UT-11-813 (Page 3)
,								Percentage of coverage <90%. Reference PIP 0-11-15240.

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

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

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

Q2.C2.21.0001         2.SGA-W127         01A         11/05/11         CLR         N         N         N         MT-11-117           01A         11/05/11         CLR         N         N         N         N         UT-11-870 (Page 1)           01A         11/05/11         CLR         N         N         N         UT-11-870 (Page 1)           02.C3.20.0002         2-01A-0-1441-H14         01A         11/05/11         CLR         N         N         N         MT-11-125           02.C3.20.0005         2-03-0-1461A-H11A         03         11/07/11         CLR         N         N         N         MT-11-125           02.C3.20.0013         2-51-0-A36H-SR17         51         11/09/11         CLR         N         N         N         PT-11-374           02.C3.20.0019         2-51A-436E-FAC-2802         51A         08/22/11         CLR         N         N         N         PT-11-345           02.C3.20.0023         2-53B-2-0-436E-H3         53B         08/22/11         CLR         N         N         N         PT-11-344           02.C3.20.0025         2-53B-2-0-438E-H9         53B         08/23/11         CLR         N         N         N         PT-11-349	Summary No	Component ID	System	insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
01A 11/05/11 CLR N N N UT-11-869  01A 11/05/11 CLR N N N N UT-11-870 (Page 1)  01A 11/05/11 CLR N N N N UT-11-870 (Page 2)  02.C3.20.0002 2-01A-0-1441-H14 01A 11/09/11 CLR N N N N MT-11-125  02.C3.20.0005 2-03-0-1481A-H11A 03 11/07/11 CLR N N N N MT-11-125  02.C3.20.0013 2-51-0-A38H-SR17 51 11/09/11 CLR N N N N MT-11-374  02.C3.20.0019 2-51A-436E-FAC-2802 51A 08/22/11 CLR N N N N PT-11-345  02.C3.20.0023 2-53B-2-0-436E-H3 53B 08/22/11 CLR N N N N PT-11-348  02.C3.20.0025 2-53B-2-0-436E-H3 53B 08/22/11 CLR N N N N PT-11-347  02.C3.20.0027 2-53B-2-0-436E-H9 53B 08/23/11 CLR N N N N PT-11-347  02.C3.20.0028 2-53B-0-1439B-H30 53B 08/23/11 CLR N N N N PT-11-349  02.C3.20.0029 2-14B-50-PEN#33 14B 11/04/11 CLR N N N N PT-11-369  02.C3.20.0020 2LP-150-PEN#35 53B 11/02/11 CLR Y N N PT-11-365  Percent of coverage > 90%.		2-SGA-W127	01A	11/04/11	CLR	N	N	N	MT-11-117
O2.C3.20.0002 2-01A-0-1441-H14	·		01A	11/05/11	CLR	N	N	N	UT-11-869
O2.C3.20.0002         2-01A-O-1441-H14         01A         11/09/11         CLR         N         N         N         MT-11-125           O2.C3.20.0005         2-03-O-1481A-H11A         03         11/07/11         CLR         N         N         N         MT-11-122           O2.C3.20.0013         2-51-O-A36H-SR17         51         11/09/11         CLR         N         N         N         PT-11-374           O2.C3.20.0019         2-51A-436E-FAC-2802         51A         08/22/11         CLR         N         N         N         PT-11-345           O2.C3.20.0023         2-53B-0-435B-DE049         53B         08/25/11         CLR         N         N         N         PT-11-348           O2.C3.20.0025         2-53B-2-0-436E-H3         53B         08/23/11         CLR         N         N         N         PT-11-344           O2.C3.20.0027         2-53B-2-0-436E-H9         53B         08/23/11         CLR         N         N         N         PT-11-347           O2.C3.20.0028         2-53B-0-1439B-H30         53B         08/18/11         CLR         N         N         N         PT-11-349           O2.C3.20.0020         2-14B-50-PEN #15         53B         11/02/11         CLR		,	01A	11/05/11	CLR	N	N	N	UT-11-870 (Page 1)
O2.C3.20.0005       2-03-0-1481A-H11A       03       11/07/11       CLR       N       N       N       MT-11-122         O2.C3.20.0013       2-51-0-A36H-SR17       51       11/09/11       CLR       N       N       N       PT-11-374         O2.C3.20.0019       2-51A-436E-FAC-2802       51A       08/22/11       CLR       N       N       N       PT-11-345         O2.C3.20.0023       2-53B-0-435B-DE049       53B       08/25/11       CLR       N       N       N       PT-11-348         O2.C3.20.0025       2-53B-2-0-436E-H3       53B       08/22/11       CLR       N       N       N       PT-11-344         O2.C3.20.0027       2-53B-2-0-436E-H9       53B       08/23/11       CLR       N       N       N       PT-11-347         O2.C3.20.0028       2-53B-0-1439B-H30       53B       08/18/11       CLR       N       N       N       PT-11-343         O2.C3.20.0020       2-14B-50-PEN # 33       14B       11/02/11       CLR       N       N       N       PT-11-365         Percent of coverage > 90%.       PPT-11-365       Percent of coverage > 90%.       PT-11-365			01A	11/05/11	CLR	<b>N</b>	N	N	UT-11-870 (Page 2)
O2.C3.20.0013       2-51-0-A36H-SR17       51       11/09/11       CLR       N       N       N       PT-11-374         O2.C3.20.0019       2-51A-436E-FAC-2802       51A       08/22/11       CLR       N       N       N       PT-11-345         O2.C3.20.0023       2-53B-0-435B-DE049       53B       08/25/11       CLR       N       N       N       PT-11-348         O2.C3.20.0025       2-53B-2-0-436E-H3       53B       08/22/11       CLR       N       N       N       PT-11-344         O2.C3.20.0027       2-53B-2-0-436E-H9       53B       08/23/11       CLR       N       N       N       PT-11-347         O2.C3.20.0028       2-53B-0-1439B-H30       53B       08/18/11       CLR       N       N       N       PT-11-343         O2.C3.20.0192       2-14B-50-PEN #33       14B       11/04/11       CLR       N       N       N       PT-11-365         O2.C3.20.0202       2LP-150-PEN #15       53B       11/02/11       CLR       Y       N       N       PT-11-365         Percent of coverage > 90%.	O2.C3.20.0002	2-01A-0-1441-H14	01A	11/09/11	CLR	N	N	N	MT-11-125
O2.C3.20.0019       2-51A-436E-FAC-2802       51A 08/22/11 CLR N N N PT-11-345         O2.C3.20.0023       2-53B-0-435B-DE049       53B 08/25/11 CLR N N N PT-11-348         O2.C3.20.0025       2-53B-2-0-436E-H3       53B 08/22/11 CLR N N N PT-11-344         O2.C3.20.0027       2-53B-2-0-436E-H9       53B 08/23/11 CLR N N N PT-11-347         O2.C3.20.0028       2-53B-0-1439B-H30       53B 08/18/11 CLR N N N PT-11-343         O2.C3.20.0192       2-14B-50-PEN # 33       14B 11/04/11 CLR N N N PT-11-369         O2.C3.20.0202       2LP-150-PEN #15       53B 11/02/11 CLR Y N N PT-11-365         Percent of coverage > 90%.	O2.C3.20.0005	2-03-0-1481A-H11A	03	11/07/11	CLR	N	N .	N	MT-11-122
Q2.C3.20.0023       2-53B-0-4358-DE049       53B       08/25/11       CLR       N       N       N       PT-11-348         Q2.C3.20.0025       2-53B-2-0-436E-H3       53B       08/22/11       CLR       N       N       N       PT-11-344         Q2.C3.20.0027       2-53B-2-0-436E-H9       53B       08/23/11       CLR       N       N       N       PT-11-347         Q2.C3.20.0028       2-53B-0-1439B-H30       53B       08/18/11       CLR       N       N       N       PT-11-343         Q2.C3.20.0192       2-14B-50-PEN #33       14B       11/04/11       CLR       N       N       N       PT-11-369         Q2.C3.20.0202       2LP-150-PEN #15       53B       11/02/11       CLR       Y       N       N       PT-11-365         Percent of coverage > 90%.	O2.C3.20.0013	2-51-0-A36H-SR17	51	11/09/11	CLR	N	N	N	PT-11-374
O2.C3.20.0025       2-53B-2-0-436E-H3       538 08/22/11 CLR N N N PT-11-344         O2.C3.20.0027       2-53B-2-0-436E-H9       538 08/23/11 CLR N N N PT-11-347         O2.C3.20.0028       2-53B-0-1439B-H30       538 08/18/11 CLR N N N PT-11-343         O2.C3.20.0192       2-14B-50-PEN # 33       14B 11/04/11 CLR N N N PT-11-369         O2.C3.20.0202       2LP-150-PEN #15       53B 11/02/11 CLR Y N N PT-11-365         Percent of coverage > 90%.	O2.C3.20.0019	2-51A-436E-FAC-2802	51A	08/22/11	CLR	N	N	N	PT-11-345
O2.C3.20.0027       2-53B-2-0-436E-H9       53B       08/23/11       CLR       N       N       N       PT-11-347         O2.C3.20.0028       2-53B-0-1439B-H30       53B       08/18/11       CLR       N       N       N       PT-11-343         O2.C3.20.0192       2-14B-50-PEN # 33       14B       11/04/11       CLR       N       N       N       PT-11-369         O2.C3.20.0202       2LP-150-PEN #15       53B       11/02/11       CLR       Y       N       N       PT-11-365         Percent of coverage > 90%.	O2.C3.20.0023	2-53B-0-435B-DE049	53B	08/25/11	CLR	N	N	N	PT-11-348
O2.C3.20.0027       2-53B-2-0-436E-H9       53B       08/23/11       CLR       N       N       N       PT-11-347         O2.C3.20.0028       2-53B-0-1439B-H30       53B       08/18/11       CLR       N       N       N       PT-11-343         O2.C3.20.0192       2-14B-50-PEN # 33       14B       11/04/11       CLR       N       N       N       PT-11-369         O2.C3.20.0202       2LP-150-PEN #15       53B       11/02/11       CLR       Y       N       N       PT-11-365         Percent of coverage > 90%.	O2.C3.20.0025	2-53B-2-0-436E-H3	538	08/22/11	CLR	N	N	N	PT-11-344
O2.C3.20.0192 2-14B-50-PEN # 33 14B 11/04/11 CLR N N N PT-11-369  O2.C3.20.0202 2LP-150-PEN #15 53B 11/02/11 CLR Y N N PT-11-365  Percent of coverage > 90%.	O2.C3.20.0027	2-53B-2-0-436E-H9	53B	08/23/11	CLR	N	N	N	
O2.C3.20.0202 2LP-150-PEN #15 53B 11/02/11 CLR Y N N PT-11-365  Percent of coverage > 90%.	O2.C3.20.0028	2-53B-0-1439B-H30	53B	08/18/11	CLR	N	N	N	
Percent of coverage > 90%.	O2.C3.20.0192	2-14B-50-PEN # 33	14B	11/04/11	CLR		N	N	PT-11-369
	O2.C3.20.0202	2LP-150-PEN #15	53B	11/02/11	CLR	Y	N	N	PT-11-365
									Percent of coverage > 90%.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C3.20.0211	2-55-1-0-1439C-H18	55	08/17/11	CLR	N	N-	N	MT-11-116
O2.C3.30.0001	2-HPI-PU-A	51A	08/22/11	CLR	N	N	N	PT-11-346
D2.C5.11.0011	2LP-150-69	53A	08/16/11	CLR	N	N	N	UT-11-793 (Page 1)
		53A	08/16/11	CLR	· N	Υ	N	UT-11-793 (Page 2)
								360 degrees intermittent Geometric Indication.
D2.C5.11.0012	2LP-150-70	53A	08/16/11	CLR	Υ .	N	Υ	UT-11-792 (Page 1)
								Percent of coverage <90%. Reference PIP O-11-15240.
•		53A	08/16/11	CLR	Υ	N	Y	UT-11-792 (Page 2)
								Percent of coverage <90%. Reference PIP O-11-15240.
,		53A	08/16/11	CLR	Y	N	Y	UT-11-792 (Page 3)
								Percent of coverage <90%. Reference PIP O-11-15240.
D2.C5.11.0018	2LP-189-15	53A	10/30/11	CLR	Y	N	. Y	UT-11-818 (Page 1)
•								Percent of coverage <90%. Reference PIP O-11-15240.
		53A	10/30/11	CLR	Υ	· N	Y	UT-11-818 (Page 2)
								Percent of coverage <90%. Reference PIP O-11-15240.
		53A	10/30/11	CLR	Y	N	Υ	UT-11-818 (Page 3)
								Percent of coverage <90%. Reference PIP O-11-15240.
)2.C5.11.0019	2LP-217-21	53A	11/06/11	CLR	N	N .	N	UT-11-872 (Page 1)
		53A	11/06/11	CLR	N	N	N	UT-11-872 (Page 2)

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

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment	
O2.C5.11.0051	2LP-216-21	53A	10/31/11	CLR	N .	N	N	UT-11-858 (Page 1)	
		53A	10/31/11	CLR	N	N	N	UT-11-858 (Page 2)	
O2.C5.11.0052	2LP-216-22	53A	10/31/11	CLR	N	N	N	UT-11-859 (Page 1)	<del>-</del>
		53A	10/31/11	CLR	N	N	N	UT-11-859 (Page 2)	
O2.C5.11.0053	2LP-216-23	53A	10/31/11	CLR	N	N	N	UT-11-860 (Page 1)	
		<b>53A</b>	10/31/11	CLR	N	N	N	UT-11-860 (Page 2)	
O2.C5.11.0054	2LP-216-24	53A	11/09/11	CLR	N	N	N	UT-11-890 (Page 1)	<del></del>
•		53A	11/09/11	CLR	, <b>N</b> .	N	N	UT-11-890 (Page 2)	
O2.C5.11.0055	2LP-216-25	53A	11/09/11	CLR	N	N	N	UT-11-891 (Page 1)	
		53A	11/09/11	CLR	N	N	N	UT-11-891 (Page 2)	
O2.C5.11.0056	2LP-216-6	53A	10/31/11	CLR	N	N	N	UT-11-820 (Page 1)	
		53A	10/31/11	CLR	N	N	N	UT-11-820 (Page 2)	
O2.C5.11.0057	2LP-216-7	53A	10/31/11	CLR	N	N	N	UT-11-821 (Page 1)	
•		53A	10/31/11	CLR	N	N	N	UT-11-821 (Page 2)	
O2.C5.11.0058	2LP-216-8	53A	10/31/11	CLR	N	N	N	UT-11-855	
O2.C5.11.0059	2LP-216-9	53A	10/31/11	CLR	N	N	N		•
emergia es a se seguiron es	THE THEORY TOWNS IN THE CHARGE	THE SHARE SHOWN IN	LINES THE PROPERTY.				-	anner (1.56.2) Merenda, element (1888), sa del Coro e promete accumingo e vers al cesto anten presentar	£ -6 788.1

Summary No	Component ID	System	insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.11.0064	2LP-217-20	53A	11/06/11	CLR	N	N	N	UT-11-874 (Page 1)
		53A	11/06/11	CLR	N	N	N	UT-11-874 (Page 2)
O2.C5.11.0068	2LP-218-4	53A	11/02/11	CLR	N	N	N	UT-11-848 (Page 1)
•	•	53A	11/02/11	CLR	N	N	N	UT-11-848 (Page 2)
O2.C5.11.0069	2LP-218-5	53A	11/02/11	CLR	N	N	N	UT-11-852 (Page 1)
		53A	11/02/11	CLR	N	N	N	UT-11-852 (Page 2)
O2.C5.11.0081	2LPS-723-1	14B	08/16/11	CLR	Y	Ni	Υ	UT-11-803 (Page 1)
								Percent of coverage <90%. Reference PIP O-11-15240.
		14B	08/16/11	CLR	Y	N	Y	UT-11-803 (Page 2)
								Percent of coverage <90%. Reference PIP O-11-15240.
		14B	08/16/11	CLR	Υ	N	Υ	UT-11-803 (Page 3)
								Percent of coverage <90%. Reference PIP O-11-15240.
O2.C5.11.0082	2LPS-723-2	14B	08/16/11	CLR	Y	N	· <b>Y</b>	UT-11-802 (Page 1)
•								Percent of coverage <90%. Reference PIP O-11-15240.
		14B	08/16/11	CLR	Y	N	Y	UT-11-802 (Page 2)
•								Percent of coverage <90%. Reference PIP O-11-15240.
•		148	08/16/11	CLA	Υ	N	Y	UT-11-802 (Page 3)
								Percent of coverage <90%. Reference PIP O-11-15240.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.11.0083	2LPS-723-3	14B	08/16/11	CLR	Y	N	Y	UT-11-804 (Page 1)
								Percent of coverage <90%. Reference PIP O-11-15240.
	•	14B	08/16/11	CLR	<b>Y</b>	N	Y	UT-11-804 (Page 2)
						•		Percent of coverage <90%. Reference PIP O-11-15240.
		14B	08/16/11	CLR	Υ	N	Υ	UT-11-804 (Page 3)
								Percent of coverage <90%. Reference PIP 0-11-15240.
O2.C5.21.0007	2HP-219-3	51A	08/24/11	CLR	N.	N	N	UT-11-806 (Page 1)
		51A	08/24/11	CLR	N	N	N	UT-11-806 (Page 2)
O2.C5.21.0008	2HP-219-12	51A	08/24/11	CLR	N	N	N	UT-11-807 (Page 1)
		51A	08/24/11	CLR	N	N	N	UT-11-807 (Page 2)
O2.C5.21.0009	2-51A-133-3	51A	08/25/11	CLR	N	, N	: N	UT-11-809 (Page 1)
		51A	08/25/11	CLR	N	N .	N	UT-11-809 (Page 2)
O2.C5.21.0010	2-51A-17-49	51A	08/25/11	CLR	Y	N	N	UT-11-810 (Page 1)
								Percent of coverage >90%.
		51A	08/25/11	CLR	Υ	N	N	UT-11-810 (Page 2)
								Percent of coverage >90%.
•		51A	08/25/11	CLR	Y	N	N	UT-11-810 (Page 3)
		•						Percent of coverage >90%.
O2.C5.21.0037	2-51A-29-1	51A	08/23/11	CLR	N	N	N	UT-11-805 (Page 1)

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

Summary No	Component ID	System	insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.21.0050	2HP-338-51	51A	10/30/11	CLR	<b>N</b>	N	N	UT-11-817 (Page 1)
		51A	10/30/11	CLR	N	N	N	UT-11-817 (Page 2)
		51A	10/30/11	CLR	N	N	N	UT-11-817 (Page 3)
O2.C5.51.0012	2MS-146-4	01A	11/08/11	CLR	N	N	N	UT-11-892 (Page 1)
		01A	11/08/11	CLR	N	N	N	UT-11-892 (Page 2)
O2.C5.51.0017	2-03A-67-11	03A	08/18/11	CLR	. N	N	N	UT-11-800
O2.C5.51.0024	2SGB-W236	03	11/07/11	CLR	N	N	N	UT-11-886 (Page 1)
ı		03	11/07/11	CLR	N	Y	N	UT-11-886 (Page 2)
								Geometry 360 degrees intermittently.
O2.C5.51.0043	2LPS-597-17	14B	08/17/11	CLR	Ν.	N	N	UT-11-796
O2.C5.51.0044	2LPS-597-3AB	14B	08/17/11	CLR	N	N	N	UT-11-797
O2.C5.51.0045	2LPS-600-1	14B	08/17/11	CLR	N	N	N	UT-11-798
O2.C5.51.0046	2LPS-600-86	14B	08/17/11	CLR	· N	N	N	UT-11-799
O2.C5.51.0047	2LPS-600-87	148	08/17/11	CLR	N	N	N	UT-11-801 (Page 1)
		148	08/17/11	CLR	N ·	N	N	UT-11-801 (Page,2)

Summary No	Component ID	System	insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.51.0484	2-03A-11-49	03A	11/07/11	CLR	Υ	N	N	UT-11-887 (Page 1)
								Percent coverage >90%.
		03A	11/07/11	CLR	Y	Y	N	UT-11-887 (Page 2)
								Percent coverage > 90%. Root geometry seen at 360 degrees intermittently at varying amplitudes. Confirmed with 70 degree angle.
		03A	11/07/11	CLR	Υ	N	N	UT-11-887 (Page 3)
								Percent coverage >90%.
·		03A	11/07/11	CLA	N	N	N	UT-11-887 (Page 4)
O2.D1.10.0001	2-RBCC-A	14B	07/13/11	CLR	N	N	N	VT-11-806
O2.D1.20.0011	2-03A-1-0-1401B-SR5	03A	10/06/11	CLR	N	N	N	VT-11-836
O2.D1.20.0013	2-03A-1-0-437B-H1	03A	09/08/11	CLR	N	N	N	VT-11-814
O2.D1.20.0014	2-03A-1-0-437B-H2	AEO	09/08/11	CLR	N	N	N	VT-11-815
O2.D1.20.0020	2-14B-0-1439B-RJP-3101	148	09/14/11	CLR	N	N	N.	VT-11-818
O2.D1.20.0026	0-14C-447A-H7039	14C	10/19/11	CLR	N	N	N	VT-11-844
O2.F1.10.0002	2-51A-0-1479A-H16A	51A	10/23/11	CLR	N	N	N	VT-11-864
O2.F1.10.0007	2-53A-0-1478A-H2A	53A	11/01/11	CLR	N	N	N	VT-11-919
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Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.11.0002	2-51A-0-1478A-H1C	51A	11/09/11	REC	N	N	N	VT-11-924
				•				Civil Engineering has found this support to be acceptable for service based on Engineering evaluation. Discrepancies were not service induced.
D2.F1.11.0005	2-53-0-1478A-H4	53	11/04/11	CLR	N	N	N	VT-11-920
D2.F1.12.0001	2-50-0-1480A-H11	50	10/23/11	CLR	N	N	N	VT-11-877
D2.F1.12.0006	2-51A-0-1478A-H2C	51A	11/11/11	CLR	N	N	N	VT-11-927
D2.F1.20.0001	2-01A-0-1441-H14	01A	11/06/11	CLR	N	N	N	VT-11-921
02.F1.20.0006	2-03-0-1480A-H10A	03	10/24/11	CLR	N	N	N	VT-11-882
02.F1.20.0007	2-03A-1-0-1439A-R61	03A	09/20/11	CLR	N	N	N	VT-11-833
)2.F1.20.0015	2-51A-436E-FAC-2802	. 51A	08/23/11	CLR	N	N	N	VT-11-808
02.F1.20.0019	2-51A-6-0-435B-SR59	51A	09/14/11	CLR	N	N	N	VT-11-823
)2.F1.20.0020	2-51A-3-0-1439A-SR160	51A	09/14/11	CLR	N	N	N	VT-11-820
02.F1.20.0028	2-51A-2-0-1439C-H16	51A	09/15/11	REC	N	N	N	VT-11-834
								Civil Engineering has found this support to be acceptable for service based on Engineering evaluation. Discrepancies were not service induced.
02.F1.20.0034	2-53B-2-0-436E-H9	53B	08/23/11	CLR	N	N	N	VT-11-810
2.F1.20.0036	2-53B-2-0-436E-H3	53B	08/23/11	CLR	N	N	N	VT-11-809

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.20.0047	2-53B-0-1439B-H30	53B	09/14/11	CLR	N	N	N	VT-11-821
O2.F1.20.0053	2-54A-3-0-1439B-R42	54A	09/20/11	CLR	N	Ŋ	N	VT-11-829
O2.F1.20.0057	2-56-2-0-438C-SR15	56	10/24/11	REC	N	N	N	VT-11-888
•								Civil Engineering has found this support to be acceptable for service based on Engineering evaluation. Discrepancies were not service induced.
O2.F1.20.0223	2-14B-0-1480A-H22F	14B	10/25/11	CLR	N	N	N .	VT-11-884
O2.F1.20.0342	2-55-1-0-1439C-H18	55	09/20/11	CLR	N	N	N	VT-11-826
O2.F1.21.0001	2-03-0-1481A-H11A	03	11/04/11	CĻR	N	N	N	VT-11-922
O2.F1.21.0006	2-14B-0-1479A-H17E	148	11/01/11	CLA	N	N	N	VT-11-903
O2.F1.21.0012	2-20B-1485A-H5462	208	09/21/11	CLR	N	N	N	VT-11-832
O2.F1.21.0013	2-51-0-A36H-SR17	51	10/30/11	CLR	N	N	N	VT-11-918
O2.F1.21.0026	2-51B-436J-DE004	51B	11/06/11	CLR ·	N	N	N	VT-11-928
O2.F1.21.0027	2-53B-0-435B-DE049	538	08/25/11	CLR	N	N	N	VT-11-813
O2.F1.21.0035	2-54A-3-0-1439C-DE017	54A	09/20/11	CLR	N	N	N	VT-11-825
O2.F1.21.0074	2-53B-0-1439B-H28	538	08/18/10	CLR	N	N	N	VT-11-812
O2.F1.21.0208	2-148-50-PEN # 33	14B	10/29/11	CLR	N	N	N	VT-11-890

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.21.0220	2LP-150-PEN # 15	53B	10/29/11	CLR	N	N	N	VT-11-889
O2.F1.21.0229	2-55-1-0-1439C-DE001	55	09/20/11	CLR	N	N	N	VT-11-830
O2.F1.22.0006	2-01A-3-0-1401B-R7	01A	10/25/11	CLR	N	N	N	VT-11-885
O2.F1.22.0017	2-53B-4-0-435B-H16	53B	09/14/11	REC	N.	N	N	VT-11-824  Civit Engineering has found this support to be acceptable for service based on Engineering evaluation. Discrepancies were not service induced.
O2.F1.30.0008	2-03A-1-0-1439A-H30	03A	10/05/11	CLR	N .	N	N	VT-11-842
O2.F1.30.0018	2-03A-1401A-GC-0802	03A	10/05/11	CLR	N	N	N	VT-11-843
O2.F1.30.0022	2-03A-1-0-1439C-H6	03A	09/14/11	CLR	N	N	N	VT-11-822
O2.F1.30.0026	2-07A-1400A-DE002	07A	10/05/11	CLR	Ņ	N	N	VT-11-838
O2.F1.30.0028	2-07A-0-1400A-SR7	07A	10/06/11	CLR	N	N	N	VT-11-839
O2.F1.30.0029	2-07A-1400A-DE022	07A	10/05/11	CLR	N	N	N	VT-11-840
O2.F1.30.0037	2-14B-0-1439B-RJP-3101	14B	09/14/11	CLA	N	N	N	VT-11-819
O2.F1.30,0045	2-14B-1439A-H5559	148	09/20/11	CLR	N	N	. N	VT-11-828
O2.F1.30.0046	2-14B-1439A-H5558	148	09/20/11	CLR	N .	N	N	VT-11-831

Summary No	Component ID	System	insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment	
O2.F1.30.0286	2-03A-1-0-1439A-H19	03A	10/04/11	CLR	N	N	N	VT-11-835	
O2.F1.31.0005	2-03A-1-0-1401B-SR5	03A	10/06/11	CLR	N	N	N	VT-11-837	
O2.F1.31.0011	2-03A-1-0-437B-H2	03A	09/08/11	CLR	Ν.	N	N	VT-11-816	
O2.F1.31.0019	0-14-447B-H7027	14	10/19/11	CLR	N	Ņ	N	VT-11-846	
O2.F1.31.0020	2-14B-1439C-H5184	14B	09/20/11	CLA	N	N	N	VT-11-827	
O2.F1.31.0024	2-14B-1400A-JEJ-2002	148	10/05/11	CLR	N	N	N	VT-11-902	
O2.F1.31.0026	0-14C-447A-H7039	14C	10/19/11	CLR	N	N	N	VT-11-845	
O2.F1.32.0005	2-03A-1-0-437B-H1	03A	09/08/11	CLR	N	N	N	VT-11-817	
O2.F1.32.0009	2-07A-1400A-JLM-2102	07A	10/06/11	CLR	N	N	N	VT-11-841	
O2.F1.32.0016	2-57-0-1481A-H7	57	10/23/11	CLR	N	N	N .	VT-11-865	
O2.F1.40.0002	2-SGB-SKIRT	50	10/23/11	CLR	N	N	N	VT-11-863	,
O2.F1.40.0014	2-RBCC-A	14B	07/13/11	CLR	N	N	N	VT-11-807	
O2.F1.40.0021	2-HPI-PU-A	51A	08/23/11	CLR	N	N	N	VT-11-811	
O2.G14.1.0001	2-PZR-THERM	50	10/23/11	CLR	N	N	N	VT-11-862	

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

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G4.1.0011	2RC-205-4	51A	11/01/11	CLR	Y	N	N	UT-11-847
			•					No percentage of coverage required. No Request for Relief required.
O2.H2.1.0001	2-PHA-13	50	11/04/11	CLR	N	N	N	PT-11-366
O2.H2.1.0002	2-PHA-14	50	11/04/11	CLR	N	N	N	PT-11-367
D2.H2.1.0003	2-PHA-15	50	11/04/11	CLR	N	N	N	PT-11-368
O2.H2.1.0007	2-PIA1-12	50	11/03/11	CLR	N	N	N	PT-11-364
O2.H3.1.0012	2-03-18-45	03	11/07/11	CLR	N	N	N	UT-11-880
		03	11/07/11	CLR	N	N	N	UT-11-883
D2.H3.1.0013	2-03-18-44AA	03	11/06/11	CLR	N	N	N	UT-11-881
:		03	11/06/11	CLR	N	N	N	UT-11-884 (Page 1)
		03	11/06/11	CLR	N	N	N	UT-11-884 (Page 2)
	•	03	11/06/11	CLR	N	N	N	UT-11-884 (Page 3)
D2.H3.1.0014	2-03-18-44AB	03	11/06/11	CLR	N	N	N	UT-11-882
	·	03	11/06/11	CLR	N	N	, <b>N</b>	UT-11-885 (Page 1)
		03	11/06/11	CLR	N	N	N	UT-11-885 (Page 2)

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

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

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

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

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

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

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

#### 5.1 Class 1 and 2 Preservice Examinations

As required by the applicable code, Preservice Inspection (PSI) Examinations were performed on ISI Class 1 and ISI Class 2 items during this report period. PSI examination data for items examined during 2EOC25 are filed with the Work Order.

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

# List of NIS2 from 2EOC24

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

# Form NIS-2 Owner's Report for Repair/Replacement Activity As required by the provisions of the ASME Code Section XI

					Wo	k Order Nun	nber	Sheet				
					ļ	0176	0954	10	f 2			
1. Owner			2. Pla	int		<del>-</del>		Unit				
Duke Ener	gy Carolinas, LL	c l		Oconee Nu	clear St	ation		10.	√S - 2			
526 South	Church Street			7800 Roche	ester Hy	ter Hwy Date						
Charlotte,	NC 28201-1006			Seneca, SC	29672							
3. Work Performed	by				Тур	e Code Sym	bol Stamp					
		_						plicable				
	rgy Carolinas, LL	,C			Aut	horization N		1: 11				
	Church Street NC 28201-1006					<del></del>	Not Ap	plicable				
Charlotte,	110 20201-1000				Exp	iration Date	Not Ar	plicable				
4. Identification of	System, ASME CI	ass			!	· · · · · · · · · · · · · · · · · · ·						
	,		essur	e Injection, ASN	ME Clas	is I						
5.		<del></del>					<del></del>	<del></del>				
(a) Applicable Cons		USAS B3			Edition,		Addend	·	Code Case			
(b) Applicable Edition			tivity	19 98	Edition,	2000	Addend	a.				
(c) Applicable Secti  6. Identification of		None					·	· · · · · · · · · · · · · · · · · · ·				
Name of	Name of	Manufactu	roe i	National	1 ,	Other	Year	Corrected,	ASME			
Component	Manufacturer	Serial Num		Board No.		tification	Built	Removed,	Code			
				'				or installed	Stamped (Yes / No)			
				·			<u> </u>		(1037110)			
1) Piping	DEC	None		None		None	2011	Corrected ·	NO			
					<del>                                     </del>		1		<b>-</b>			
			1	!	İ							
<del></del>		<del></del>					1	·				
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					<del> </del>		<del> </del>					
	}			· ·		•	1	)	<b>\</b>			
	<del> </del>	<del>                                     </del>			+	·		<del> </del>	<del> </del>			
	1	1					ľ	ľ				
					1							
					<u> </u>				<u></u>			
7. Description of												
EC95296, installs	vibration resistar	nt welds (2 to	o I ta	per) on 1/2" pipi	ing near	valves 2L	P-166 and	1 2LP-167. No	piping			
was replaced.												
8. Test Conducte	_											
Hydros				Operating Pressure		Exempt [	Other					
Į.	Pressure	PSI		Test Tem	perature		°F					

# Form NIS-2 Owner's Report for Repair/Replacement Activity As required by the provisions of the ASME Code Section XI

	•	Work Order Numbe	r Sheet
		01760954	4 2 of 2
9. Remarks (Applicable Manufacturer's Data Reports	to be attached)		
• Weld #8 through 16, 31 through 38, and 69 on weld replaced. Remaining welds on weld isometric 2-LP-0			
0			
0			
9			
9			
0	<del>-</del> -		
0			
8			
9			
0			
<u> </u>		<del></del>	
	TIFICATE OF COMPLIA	ANCE	<del></del>
I certify that the statements made in the report ASME Code, Section XI.			requirements of the
Type Code Symbol Stamp	Not	Applicable	
Certificate of Authorization Number No		Expiration Date	Not Applicable
Signed Rick Burger Rick Burgess. Sr Owner or Owner's Designee. Title	. Technical Specialist	Date	1/9/2012
Owner of Owner 5 Designee. True	<del></del>		
CERTIFIC	ATE OF INSERVICE IN	SPECTION	
I, the undersigned, holding a valid commission inspectors and the State or Province of South of Hartford, Connection in this Owner's Report during the period to the best of my knowledge and belief, the described in this Owner's Report in accordance By signing this certificate neither the Inspector nor his employer shall be liable in an kind arising from or connected with this inspection.	Owner has performed with the requirements dector nor his employeeasures described in the performent of the performance of the p	and employed by have inspected to //D/Z ed examinations and of the ASME Code, s yer makes any ward this Owner's Report	HSB CT d the components described , and state that taken corrective measures Section XI. ranty, expressed or implied rt. Furthermore, neither the
Specior - Signature	Commissions	3048 201 National Board, State.	Province, and Endorsements
Date 1/10/12			

	isions of the ASME	Cohe perilo	ואווי						
					Work	Order Num	ber	Sheet	
		•				018557	52-01	<b>1</b> of	2
Owner	vner 2. Plant							Unit	
				Oconee Nuc				ON	S - 0
526 South Church Street 7800 Roche Charlotte, NC 28201-1006 Seneca, SC						y	٠	Date 11/11	/2011
Work Performed	by				Туре	Code Symi		plicable	
	rgy Carolinas, LL Church Street	С			Auth	orization N	ımber	plicable	
	NC 28201-1006				Expi	ration Date		· · · · · · · · · · · · · · · · · · ·	<del></del> -
. Identification of	System, ASME Cla	ass		**			Not Ap	plicable	
			actor C	Coolant, ASME	Class 1				
a) Applicable Cons b) Applicable Edition c) Applicable Section ldentification of	on Section XI Utilize on XI Code Case(s		Activity	19 <u>69</u> 19 <u>98</u>	Edition, Edition,	No 2000	Addend Addend	·	Code Cas
Name of Component	Name of Manufacturer	Manufac Serial Nu		National Board No.		ther ification	Year Built	Corrected, Removed, or Installed	ASME Code Stampe (Yes / N
Spare Pressurizer Code Safety valve	Dresser	BT-04975		n/a	r	ione	1979	Corrected	YES
						·			
·									
							1		
		-	<del></del>		1		<del> </del>		-
	<u> </u>				<del></del>		+		-
	-	<del> </del>		<del>                                     </del>	-		<del> </del>		<del> </del>
	]	1					L .		- 1

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 2 of 2 01855752-01 9. Remarks (Applicable Manufacturer's Data Reports to be attached) • Disc, UTC #: 1068294, serial #: ADQ-66 Bonnet, UTC#: 1983881, serial #: AGM09 NOTE: For traceability, Valve serial number BT-4975 was installed on work order: 01963176-06 0 0 0 0 0 Θ. 1 CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp Not Applicable Expiration Date Not Applicable Certificate of Authorization Number Not Applicable , Sr. Engineer Date 11-11-2011

Office a Designed, Title
CERTIFICATE OF INSERVICE INSPECTION
Inspector's Signature  Inspector's Signature  Inspector's Signature  Inspector's Signature  Inspector's Signature  Inspector's Signature  Inspector's State or Province of South Carolina and employed by HSB CT and employed by HSB CT and employed by HSB CT and employed by HSB CT have inspected the components described in this Owner's Report during the period state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measure described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be lightle in any manner for any personal injury or property damage or a loss of a kind arising from our connected with this inspection.  Commissions  National Board, Siate, Province, and Endorsements  National Board, Siate, Province, and Endorsements

			-		Work Order Num	ber	Sheet	
					1963	750	1 of	2
. Owner			2. Plan	nt	<u></u>		Unit	
Duke Ene	rgy Carolinas, LL	c '		Oconee Nuc	lear Station		ON	S - 2
	Church Street			7800 Roche	ster Hwy		Date	
	NC 28201-1006	·		Seneca, SC		-104	12/12	/2011
. Work Performed	•	_			Type Code Symt		plicable	
	ergy Carolinas, LL n Church Street	,C			Authorization Nu		plicable	_
	, NC 28201-1006				Expiration Date	NOI AP	pitcaote	<del>.                                    </del>
	,		,		Expiration bate	Not Ap	plicable	
. Identification of	System, ASME Cla							
	Read	ctor Coolar	nt Syste	m Incore Detect	ors, ASME Class	1		
	on Section XI Utilize ion XI Code Case(s		Activity		Edition, No Edition, 2000	Addend Addend	·	Code Cas
Name of Component	Name of Manufacturer	Manufac Serial Nu		National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stampe (Yes / N
Qualified Incore Detector	UNK	See Ren	narks	None	See Remarks	UNK	Removed	NO
Qualified Incore Detector	Framatome	See Ren	narks	None	See Remarks	UNK	Installed	NO
Standard Incore Detector	UNK	See Ren	narks	None	See Remarks	UNK	Removed	NO
Standard Incore Detector	Framatome	See Ren	narks	None	See Remarks	UNK	Installed	NO
Nut Ring x 11	Framatome	Non	e	None	See Remarks	UNK	Installed	NO
				-		ļ		
		ļ. ———						<del> </del>
						<del> </del>		
7. Description of	f Work	<u></u>					<u></u>	
· ·		d 3 standar	d) and a	associated closu	re hardware due to	end of li	fe.	
8. Test Conduc	ted		<del></del>	-				
Hydro	static Pneuma	🖂		operating Pressure	e 🛛 Exempt [	Other		

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 1963750 2 of 2 9. Remarks (Applicable Manufacturer's Data Reports to be attached) 8 qualified Incore detectors 2II-TE-1635 - LRQICD 5105 211-TE-1639 - LRQICD 5118 211-TE-1623 - LRQICD 5108 2II-TE-1628 - LRQICD 5107 2II-TE-1632 - LRQICD 5106 2II-TE-1643 - LRQICD 5117 211-TE-1647 - LRQICD 5116 211-TE-1650 - LRQICD 5115 Replaced with CID# 862569 UTC# 1975688, 1958731 3 standard Incore detectors 2II-TE-1634 - LRFICD 1721 2II-TE-1641 - LRFICD 1720 211-TE-1603 - LRFICD 1722 Replaced with CID# 862568 UTC# 1975763 11 Nut Rings UTC# 1976171, 1958732 0 \* PIP ~O-11-15037 CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp Not Applicable Certificate of Authorization Number Expiration Date Not Applicable Not Applicable Signed Aaron Best, Engineer Date 12/12/2011 Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by have inspected the components described Hartford, Connecticut in this Owner's Report during the period , and state that 12-17-2011 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 dertificate neighbor 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 occonnected with this inspection. Commissions 13048 ZOLA National Board, State, Province, and Endorsements \* SEE REMARKS

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 1963799-01 1 of 2 2. Plant Unit 1. Owner ONS - 2 Duke Energy Carolinas, LLC Oconee Nuclear Station 526 South Church Street 7800 Rochester Hwy Date Charlotte, NC 28201-1006 Seneca, SC 29672 11/7/2011 3. Work Performed by Type Code Symbol Stamp Not Applicable Duke Energy Carolinas, LLC **Authorization Number** 526 South Church Street Not Applicable Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class High Pressure Injection, ASME Class 1 5. (a) Applicable Construction Code: **USAS B31.7** 19 Edition, No Addenda. Code Case (b) Applicable Edition Section XI Utilized For R/R Activity 19 Edition, 2000 Addenda. (c) Applicable Section XI Code Case(s) None 6. Identification of Components Name of Name of Manufacturer Other National Corrected, Year ASME Component Manufacturer Serial Number Board No. Identification Built Removed, Code or installed Stamped (Yes / No) Anchor/Darling ET078-1-23 UNK 1992 2HP-453 n/a Corrected YES 7. Description of Work Resilient seat was found to be in degraded condition. Disc/seat assembly was replaced with like from stock for maintenance convenience. 8. Test Conducted Hydrostatic Pneumatic Nominal Operating Pressure Exempt Test Temperature

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 1963799-01 2 of 2 9. Remarks (Applicable Manufacturer's Data Reports to be attached) • Disc/seat assembly (UTC# 1970568) was replaced with like from stock. 0 0 0 0 CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Not Applicable Type Code Symbol Stamp Certificate of Authorization Number Not Applicable Expiration Date Not Applicable Signed Engineer II Date 11/7/2011 Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel of Hartford, Connecticut and employed by HSB CT have inspected the components of have inspected the components described in this Owner's Report during the period //8/201/ to 1/4/2017, 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 heither 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 ar corrected with this inspection.

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 02009996 1 of 2 1. Owner 2. Plant Unit Duke Energy Carolinas, LLC ONS - 2 Oconee Nuclear Station 526 South Church Street 7800 Rochester Hwy Date Charlotte, NC 28201-1006 Seneca, SC 29672 11/21/2011 3. Work Performed by Type Code Symbol Stamp Not Applicable Duke Energy Carolinas, LLC Authorization Number 526 South Church Street Not Applicable Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class Reactor Coolant, ASME Class 1 (a) Applicable Construction Code: USAS B31.7 Edition, No Addenda, Code Case (b) Applicable Edition Section XI Utilized For R/R Activity 98 Edition, 2000 Addenda. (c) Applicable Section XI Code Case(s) <u>None</u> 6. Identification of Components Name of Manufacturer National Other Corrected, ASME Year Serial Number Removed, Component Manufacturer Board No. Identification Built Code or Installed Stamped (Yes / No) 2RC-78 Velan Unk Unk Unk Unk Removed NO Flowserve 2RC-78 59AXR 1185 UTC 1067004 2003 Installed YES Piping DECo None None 2011 Installed NO None 7. Description of Work EC107149 - Replace 3/4", Class AC, drain valve 2RC-78 and associated piping 8. -Test Conducted -Hydrostatic Nominal Operating Pressure Exempt Pneumatic Óther Test Temperature

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 02009996 2 of 2 9. Remarks (Applicable Manufacturer's Data Reports to be attached) 0 0 0 0 CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp Not Applicable Certificate of Authorization Number Expiration Date Not Applicable Not Applicable Signed Bill Foster, Engineer III Date 11/21/2011 Owner or Owner's Designee. Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel in this Owner's Report during the period  $\frac{1}{1}$  8.11 to  $\frac{1}{2}$  to  $\frac{1}{2}$  1. 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 dertificate heither 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 connected with this inspection. kind arising from of Commissions 13048 201 A.N.T.

National Board. Stale, Province, and Endorsements Date 12 · 12 · 1/\_

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

Manufactured by	FLOWSER	VE CORPORATIO	N. 1900 S. Saun	ders St., Ral	cigh, NC 27603	
		(Name and Add	ess of M Certificate Holder)			
Manufactured forDUKF		(Name and Addr	ess of Purchaser or Owner)	<del></del>		
Location of Installation DI	UKE ENERGY	CORP. OOONEE. S	ENECA, SC 2967: and Address)	!		<del></del>
Pump or Valve	Valve	Nominal Inle			uet Size 3/	
' (a) Model No.	(b) N Certificate	e (c) Canadian	(inch	J •	lac	n) 
Series No.	Holder's	Registration	(d) Drawing		(f) Natil.	(g) Year
- or Type	Serial No.	No.	No.	(e) Class	Bd. No.	Suilt
(1) 1878 YGB	59AXR	NIA	W9925259/A	/ 1	1185	2003
(2)	60AXR	1			1186	
(3) 1878 YGB	61AXR	N/A	W9925259 / A	1	1187	2003
(4)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
(5)						
(6)			•			
(7)						
(8)						
(9)						
(10)			<del></del>	<del>-                                    </del>	•	
5. Design Conditions	2735	osi 68	g °ForVal	ve Pressure Class	1878·*	<u> </u>
		Berry	rancel	•		
7. Cold Working Pressure	(Plessure) 4507	psi at 100 °F.	(stude)			
8. Pressure Retaining Pie	4507	psi at 100 °F.		anufacture	Remai	
•	4507	psi at 100 °F.  Material Spec. No.		anufacturer	Remai	
Pressure Retaining Pie     Mark No.  (a) Castings	4507	psi at 100 °F.  Material Spec. No.	м			rks
8. Pressure Retaining Pie Mark No.	4507	psi at 100 °F.	м	owserve	Remai	rks
8. Pressure Retaining Pie Mark No. (a) Castings	4507	psi at 100 °F.  Material Spec. No.	м			rks
8. Pressure Retaining Pie Mark No. (a) Castings	4507	psi at 100 °F.  Material Spec. No.	м			rks
8. Pressure Retaining Pie Mark No. (a) Castings	4507	psi at 100 °F.  Material Spec. No.	м			rks
8. Pressure Retaining Pie Mark No. (a) Castings	4507	psi at 100 °F.  Material Spec. No.	м			rks
Pressure Retaining Pie     Mark No.  (a) Castings	4507	psi at 100 °F.  Material Spec. No.	м			rks
8. Pressure Retaining Pie Mark No.  (a) Castings M5597	4507	psi at 100 °F.  Material Spec. No.  SA351 GR CF8N	м	OWSERVE	BOD	rks DY
8. Pressure Retaining Pie Mark No. (a) Castings	4507 eces	psi at 100 °F.  Material Spec. No.	м		BON	nks DY NET
8. Pressure Retaining Pie Mark No.  (a) Castings M5597  (b) Foreings J605	4507 eces	psi at 100 °F.  Material Spec. No.  SA351 GR CF8N	M FL	OWSERVE NOVA	BON	NET SC
8. Pressure Retaining Pie Mark No.  (a) Castings M5597	4507	psi at 100 °F.  Material Spec. No.  SA351 GR CF8N	FL.	OWSERVE	BON	NET SC
8. Pressure Retaining Pie Mark No.  (a) Castings M15597  (b) Foreings J605 H510	4507	psi at 100 °F.  Material Spec. No.  SA351 GR CF8N	FL.	OWSERVE NOVA	BON	NET SC
8. Pressure Retaining Pie Mark No.  (a) Castings M15597  (b) Foreings J605 H510	4507	psi at 100 °F.  Material Spec. No.  SA351 GR CF8N	FL.	OWSERVE NOVA	BON	NET SC
8. Pressure Retaining Pie Mark No.  (a) Castings M5597  (b) Foreings J605 H510	4507	psi at 100 °F.  Material Spec. No.  SA351 GR CF8N	FL.	OWSERVE NOVA	BON	NET SC

<sup>(1)</sup> For manually operated valves only

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

Pg. 2 of 2

		Valve S/N _5	9AXR_through_61AXR_
Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
	T		
		<u> </u>	
(d) Other Parts	<u> </u>		
·		<del></del>	<del></del>
	<u> </u>		<del></del>
	<del></del>	<del></del>	
		<del></del>	<u> </u>
• • •	<del></del>		
			<del></del>
		<del></del>	
	or Power Plant Components. Stode Case No. N/A	Section (II. Div. 1., Edition.	R(4-64
(N Certificate Holder			
ur ASME Centificate of Authorization I	No. N-1562 to us	se the N symbol expires	11-26-06
	CERTIFICATIO	ON OF DESIGN	
Design information on file at		FLOWSERVE CORP	
Stress analysis report (Class 1 o	unly) on file at	FLOWSERVE COR	.P
Design specifications certified by	<u> </u>	f a bensinger	
PE State	PA Reg. No.	PE-31002-E	
Sivess analysis certified by (1)		T C BARTLETT II	
PE State	PA Reg. No.	PE-039036-E	
•			
Signature not required. List name of	only.		
			<u>·</u>
		SHOP INSPECTION	to make the Proplem of
		rd of Boiler and Pressure Vessel Inspects	ors and the State or Province of ii Hartford Connecticu
orth Carolina and employed by we inspected the pump, or valve, de			to the best of my knowledge as
lies, the N Certificate Holder has con	nstructed this pump, or valve, in acc	cordance with ASME Code, Section III.	•
y signing this certificate neither the in	nspector nor his employer makes an	ny warranty, expressed or implied, concer-	ning the equipment described in
his 6 Data Report. Furthermore, neith iss of any kind arising from or connec		hall be liable in any manner for any person	hal injury or property parnage or
ate 12 1 4 103	THE WILL WAS HOSPITATION		
11 111		a a 26	· # ~ ~
igned Tahaster & No.	Commission	MS NB" &46Z/A.NI	). NC#1073

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 01866163 1 of 2 Unit 2. Plant 1. Owner ONS - 2 Duke Energy Carolinas, LLC Oconee Nuclear Station 526 South Church Street 7800 Rochester Hwy Date Seneca, SC 29672 Charlotte, NC 28201-1006 12/8/2011 3. Work Performed by Type Code Symbol Stamp Not Applicable Duke Energy Carolinas, LLC **Authorization Number** 526 South Church Street Not Applicable Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class Reactor Building Hydrogen Purge System, ASME Class 2 5. (a) Applicable Construction Code: USAS B31.7 19 69 Edition, Addenda, No Code Case (b) Applicable Edition Section XI Utilized For R/R Activity 19 2000 98 Edition. Addenda. (c) Applicable Section XI Code Case(s) None 6. Identification of Components Name of Name of Other Manufacturer National Corrected, ASME Year Manufacturer Removed, Component Serial Number Board No. Identification Built Code or installed Stamped (Yes / No) DEC **Piping** None None None Unk Installed NO **●**2-51A-0-DEC Corrected None None None Unk 1439A-H177 @2-51-0-1439A-DEC None Unk Corrected None None H179 €2-67-1439A-DEC None None None Unk Corrected H5116 @2-67-1439A-DEC None None Unk Corrected None H5122 **G**2-67-1439A-DEC None None None Unk Corrected H5123 7. Description of Work EC100353 modify piping, valves and supports to implement the new Reverse Osmosis System 8. Test Conducted Hydrostatic Pneumatic Nominal Operating Pressure Test Temperature

s required by the provisions of the ASME Co	ode Section XI		
• • •	•	Work Order Number	Sheet
		01866163	2 of 2
. Romarks (Applicable Manufacturer's D	ata Reports to be attached)		
			*
Removed tubing supports attached to th	is support.		
Removed tubing supports attached to the	is support.		• •
Removed tubing supports attached to the	is support.		
• Rebuilt support in similar configuration	except to allow use of 2 U-bolts in	stead of 1 U-bolt.	
Rebuilt support in similar configuration	except to allow use of 2 U-bolts in	stead of 1 U-bolt.	
3			
<u> </u>			
<b>3</b>			
· · · · · · · · · · · · · · · · · · ·			
ASME Code, Section XI.  Type Code Symbol Stamp	Not .	Applicable	•
Certificate of Authorization Number	, Not Applicable	Expiration Date	Not Applicable
Signed Amal & Box	Ronald Boryla	Date	12/8/2011
Owner or Owner's Des		Date	12/6/2011
	CERTIFICATE OF INSERVICE IN	SPECTION	
I, the undersigned, holding a valid nspectors and the State or Province of			d Pressure Vessel HSB CT
of Hartford,	Connecticut	have inspected	the components describ
n this Owner's Report during the period		to 1/10/12	, and state th
to the best of my knowledge and b described in this Owner's Reportings			
By signing this certificate neither			
concerning the examinations and co	frective measures described in	this Owner's Report	. Furthermore, neither
Inspector nor his employer shall be in		sonal injury or proper	ty damage or a loss of
kind arising from of connected with this	э іпаресион.		
MICH	Commissions	3048,201	A, N, T
Inspector's Signature		. National Byard, State, I	Province, and Endorsements
Date //10/12		,	•

s required by the pro	visions of the ASME	Code Section XI				·	
				Work Order Num	ber	Sheet	
				01874	01874818		f 2
. Owner		2. P	ant			Unit	
Duke Ene	rgy Carolinas, LL	c l	Oconee Nuc	clear Station		ON	IS - 2
	Church Street	<b>)</b>	7800 Roche			Date	· · ·
	NC 28201-1006		Seneca, SC	•			6/2011
B. Work Performed	•	_		Type Code Symi		plicable	
526 South	rgy Carolinas, LI Church Street		,	Authorization No		pplicable	
Charlotte,	, NC 28201-1006			Expiration Date	Not Ap	plicable	
. Identification of	System, ASME CI		re Injection, ASN	ИЕ Class 2			
5.	· ·						
<ul><li>(a) Applicable Cons</li><li>(b) Applicable Edition</li><li>(c) Applicable Section</li></ul>	on Section XI Utilize			Edition, No 2000	_ Addeno		Code Case
<ol><li>Identification of</li></ol>	Components				•		
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stampe (Yes / No
2LP-96	Velan	Unk	Unk	Unk	Unk	Removed	NO
2LP-96	Flowserve	E371A-7-5	2430	UTC 1021456	2000	Installed	YES
				·			(
			,				,
7 B	<u> </u>	<u> </u>		<u> </u>	1	<u> </u>	
7. Description of EC97968 - Repla		to purification d	emineralizer bloci	k valve 2LP-96 wi	ith a 2" gl	lobe valve.	
8. Test Conduct		🔽			٦	·	
Hydros	tatic Pneums Pressure		Operating Pressure Test Tem		Other °F	· · · · · · · · · · · · · · · · · · ·	

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 2 of 2 01874818 9. Remarks (Applicable Manufacturer's Data Reports to be attached) 0 Ø 0 CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Not Applicable Type Code Symbol Stamp Certificate of Authorization Number Not Applicable Expiration Date Not Applicable Signed David L Hubbard/Technical Specialist II Date 11/16/2011

Owner or Owner's Designee, Title **CERTIFICATE OF INSERVICE INSPECTION** I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South CALOLINA and employed by HSB CT Hartford, Connecticut have inspected the components described 9.8.10 in this Owner's Report during the period to /2 · /4 · // , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or corrected with this inspection. Commissions 13048, 201 A. W. 1

National Board, State, Province, and Endorsements

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 01879953-01 l of 2 2. Plant Unit 1. Owner Duke Energy Carolinas, LLC Oconee Nuclear Station ONS - 2 526 South Church Street 7800 Rochester Hwy Date Charlotte, NC 28201-1006 Seneca, SC 29672 11/4/2011 3. Work Performed by Type Code Symbol Stamp Not Applicable Duke Energy Carolinas, LLC **Authorization Number** 526 South Church Street Not Applicable Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class Low Pressure Injection, ASME Class 2 5. (a) Applicable Construction Code: USAS B31.7 69 Edition, No Addenda, **Code Case** (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda. (c) Applicable Section XI Code Case(s) None 6. Identification of Components Name of Manufacturer National Other ASME Name of Corrected, Year Component Manufacturer Serial Number Board No. Identification Removed. Code Built or installed Stamped (Yes / No) 2LP-24 Crane Unknown n/a n/a Corrected NO unk 7. Description of Work New studs (16) and nuts (32) are being installed due to existing studs not being long enough to have full thread engagement with the nuts. 8. Test Conducted Pneumatic Nominal Operating Pressure Exempt Other Pressure \_\_\_\_\_ PSI Test Temperature

		Work Order Number 0187995 WCL 1946318-0	3-01	Sheet 2 of 2
. Remarks (Applicable Manufacturer's Data Re	ports to be attached)	1540510-0		2 01 2
Replaced (32) 7/8" nuts on body to bonnet fla	nge of 10" valve. SA-194, C	ir 8 material, UTC #: 19	84345	
Preplaced (16) 7/8" studs on body to bonnet fl	ange of 10" valve. SA-193,	Gr B7 material, UTC #:	1986177	
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9				
<u> </u>			· · · · ·	<u> </u>
6				·
0			·	<del></del>
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9				
<b>o</b>				
	CERTIFICATE OF COMPL		roquirem	ents of the
I certify that the statements made in the ASME Code, Section XI.  Type Code Symbol Stamp	e report are correct and that	nt this conforms to the		
I certify that the statements made in the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorization Number	e report are correct and that  Not  Not Applicable	Applicable  Expiration Date	Not	Applicable
I certify that the statements made in the ASME Code, Section XI.	Preport are correct and that Not Applicable  Sr. Engineer	Applicable  Expiration Date		Applicable
I certify that the statements made in the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorization Number  Signed	Preport are correct and that Not Applicable  Sr. Engineer	Applicable  Expiration Date	Not	Applicable
I certify that the statements made in the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorization Number  Signed  Owner or Owner's Designee	Preport are correct and that Not Applicable  Sr. Engineer	Applicable  Expiration Date  Date	Not	Applicable
I certify that the statements made in the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorization Number  Signed  Owner or Owner's Designee	Not Applicable  Sr. Engineer Title  RTIFICATE OF INSERVICE I mission issued by the National Carolina Anecticut  11/3/2011 the Owner has perform	Applicable  Expiration Date  Date  NSPECTION  Ional Board of Boiler a and employed by have inspected to 147012 and examinations and examinatio	Not 11/4/20 and Press ed the con Z	Applicable  I I  ure Vessel HSB CT  ponents describe , and state the
I certify that the statements made in the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorization Number  Signed  Owner or Owner's Designee  I, the undersigned, holding a valid com Inspectors and the State or Province of Hartford, Con in this Owner's Report during the period to the best of my knowledge and belief	Not Applicable  Sr. Engineer Title  Sr. Engineer Title  RTIFICATE OF INSERVICE I mission issued by the National South Carolina A necticut  I 3 2011 the Owner has perform ance with the requirement e Inspector nor his employer measures described in any manner for any propertion.	Applicable  Expiration Date  Date  NSPECTION  onal Board of Boiler a and employed by have inspected examinations and soft the ASME Code, over makes any wain this Owner's Report of the ASME Code, over makes any wain the ASME Code, over makes any wain the ASME Code, over makes any wain the ASME Code, over makes any wain the ASME Code, over makes any wain the ASME Code, over makes any wain the ASME Code, over makes any wain the ASME Code, over makes any wain the ASME Code, over	Not 11/4/20 and Press ed the con Z d taken of Section X rranty, ex ort. Furth erry dama	Applicable  I I  ure Vessel HSB CT ponents describe , and state that corrective measur II. pressed or implied
I certify that the statements made in the ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorization Number  Signed  Owner or Owner's Designee  I, the undersigned, holding a valid com Inspectors and the State or Province of of Hartford, Con in this Owner's Report during the period to the best of my knowledge and belief described in this Owner's Report in accord By signing this certificate reither the concerning the examinations and correct Inspector nor his employer shall by liable	Not Applicable  Sr. Engineer Title  Sr. Engineer Title  RTIFICATE OF INSERVICE I mission issued by the National South Carolina A necticut  I 3 2011 the Owner has perform ance with the requirement e Inspector nor his employer measures described in any manner for any propertion.	Applicable  Expiration Date  Date  NSPECTION  In all Board of Boiler a and employed by have inspected to 1/4/2012 and examinations and soft the ASME Code, over makes any wain this Owner's Report of the ASME Code, over makes and the ASME Code, over makes any wain the ASME Code, over makes any wain the ASME Code, over makes any wain the ASME Code, over makes any wain the ASME Code, over makes any wain the ASME Code, over makes any wain the ASME Code, over makes any wain the ASME Code, over makes any wain the ASME Code, over makes any	Not 11/4/20 and Press ed the com Contact Section X rranty, ex ort. Furth perty dama	Applicable  I I  ure Vessel HSB CT ponents describe , and state that corrective measur II. pressed or implied

As required by the provisions of	the ASME Code Section	ı XI		Work Order Nu 01881	<sup>mbe</sup> 374 - 07	Sheat	Page 1 of 2
1. Owner Duke Energy Carolina	,	· ·	e Nuclear Stat			Unit 2	-
526 South Church Str Charlotte, NC 28201			Rochester Hwy a, SC 29672-0			Date 10/	5/2010
3. Work Performed By		· · · · · · · · · · · · · · · · · · ·		Туре Сс	ode Symbol	Stamp Not Appli	cable
Duke Energy Carolina 520 South Church St				Author	ization Num	ber Not Appl	icable
Charlotte, NC 28201		4		Expira	tion Date	Not Appl	
4. Identification of Systems, ASME Class		igh Pressure Portion	. ASME CI	ass 2			
Applicable Construction Cod <u>USAS</u> Applicable Edition Section XI Utilized     Applicable Section XI Codes Cases(a	For R/R Activity 1998: Edit	7/19/11 Ilon, <u>No</u> Addenda <u>N</u> Ilon, <u>2000</u> Addenda	Code Cese			,	
6, Identification of Coimponents							-
Name of Component	Manufacturer:	Manufacturer Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
1) 2-54A-3-0-1439A-R16, Hydr Snubber	Bulic Grinnell	25972	UNK	N/A	UNK	Removed	No
2-54A-3-0-1439A-R16, Hydrau Snubber	ic Anvil	37402	UNK	UTC 1937411	UNK	Installed	No
		<del></del>			·• · · · ·		
						•	
7. Description of Work REPLACE HYDRAULIC S	NUBBER	>					
8. Test Conducted	Pouematic	Iominal Operating P	ressure IXI	Evcemm	61 OII	7/19/c1 er Visual	
Hydrostatic (_) Pressure	PSI PSI	tominia operating ri	iossus . ix	Test Tempe			g. F

As required by the provisions of the ASME Code Section XI	Work Order Numbe 01881374 - 07	Sheet Page 2 of 2
7. Remarks (Applicable Manufactuary's Data Reports to be attached)		
1) Replaced existing snubbber due to seal life.		
CERTIFICATION OF COMPLIA	ANCE	
I certify that the statements made in the report are correct and that this conforms to t ASME Code, Section XI		
Type Code Symbol Stamp Not Applicable	,	oplicable
to the best of my knowledge and belief, the Owner has performed examinations and ta described in this Owner's Report in accordance with the requirements of the ASME Co.  By signing this certificate neither the inspector nor his employer make any warrenty, concerning the examinations and corrective measures described in this Owner's Repoinspector nor his employer shall be liable in any manner for any personal injury or propany kind rising from or connected with this inspection.	r and Pressure Vessel  HSB CT  d the components describe  and state ken corrective measures de, Section XI.  expressed or implied, rt. Furthermore, neither the	te that

PSI

Pressure

s required by the provisions of the ASM	NE Code Section	XI		Work Ord		74 - 06	Sheat	Page 1 of 2
I. Owner Duke Energy Carolinas, LLC		2. Plant Ocone	e Nuclear Stati	ion			Unit 2	
526 South Church Street		7800 R	Rochester Hwy	1				/5/2010
Charlotte, NC 28201-1006		Senec	a, SC 29672-0	1752				3/2010
3. Work Performed By				h	урэ Сог	de Symbol (	Stamp Not Appli	icable
Duke Energy Carolinas, LLC				t	Authori:	zation Num	ber	
- 526 South Church Street							Not Appli	cable
Charlotte, NC 28201-1006				1	Expiration	on Date	Not Appli	icable
4. Identification of Systems, ASME Class	ire Injection - Lo	ow Pressure Portion	, ASME Cla	ass 2				
(a) Applicable Construction Cod USAS B31 (b) Applicable Edition Section XI Utilized For R/R A (c) Applicable Section XI Codes Cases(s)  I dentification of Colimponents	ASOT Edition		o Code Case					
Name of Component	Manufacturer:	Manufacturer Serial Number	National Board No	Othe identifica		Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
1) 2-53B-5-0-435B-SR1000, HYDRAULIC SNUBBER	Grinnelt	18576	UNK	N/A		UNK	Removed	No
2-53B-5-0-435B-SR1000 Load stud	Anvil <sup>*</sup>	N/A	UNK	UTC 1093360	0	UNK	Installed	No
2) 2-53B-5-0-435B-SR1000 Load stud	Grinnell	N/A	UNK			UNK	Removed	No
2-53B-5-0-435B-SR1000, HYDRAULIC SNUBBER	Anvil	36545	UNK	UTC 184624	3	UNĶ	Installed	No
		<u> </u>	<u>i</u>	<u> </u>		<b>L</b>	<u></u>	L

Deg. F

Test Temperature

As required by the provisions of the ASME Code Section XI			
The required by the providence of the recipie of the recipie of	Work Order Numbe	Sheet	
	01881374 - 1	26	Page 2 of 2
7. Remarks (Applicable Manufactuerr's Data Reports to be attached)			
Replaced existing snubbber due to seal life.			
			1
2) Replace worn load stud			,
CERTIFICATION OF COM	PLIANCE		
I certify that the statements made in the report are correct and that this conform	is to the requirements of th	e	
ASME Code, Section XI			
Type Code Symbol Stamp Not Applic	able		
Certificate of Autherization Number Not Applicable		lot Applicable	-
Signed A 11 1/1/1/	Expiration Date	iot Applicable	_
Signed Thouse We Sr. En	Date _/0/5//0		· <b>-</b>
Owner or Owner's Designee, Title			
CERTIFICATION OF INSERVICE	E INSPECTION		
I, the undersigned, holding a valid commission issued by the National Board of	Railer and Pressure Vesse	ı	•
Inspectors and State or province of North Carolina and employee			
	pected the components de	•	
in the Owner's Report during the period 7/15/11 to 7/	19/1, an	d state that	
to the best of my knowledge and belief, the Owner has performed examinations	and taken corrective measu	res	
described in this Owner's Report in accordance with the requirements of the ASN	NE Code, Section XI.		
By signing this certificate neither the inspector nor his employer make any warr	rantu avamasad as implied		
concerning the examinations and corrective measures described in this Owner's	Report. Furthermore, neith	er the	
inspector nor his employer shall be liable in any manner for any personal injury o	r property damage or a los	s of	
any kind rising from or connected with this Inspection.			
1 24-01 4			
Ange Otto Soyh tommiston(s) 1/2 &44	TARNT		
11000	. , , , , , , , , , , , , , , , , , , ,		
National Board,	State, Province, and Endorsements		•
Oate 7/19/11	<del></del>		

	visions of the ASME	Code Section	on XI		_					
					- F	Work Order Number		Sheet		
•			•			1913419		10	1 of 2	
Owner			2. Plan	it				Unit	· · · · · · · · · · · · · · · · · · ·	
Duke Energy Carolinas, LLC			Oconee Nuclear Station			Ol	ONS - 2			
			7800 Roch	7800 Rochester Hwy			Date	Date		
Charlotte, NC 28201-1006				Seneca, SC	C 296	9672		• 11/7	· 11/7/2011	
Work Performed by				Type Code Symbol Stamp Not Applic				plicable	cable	
Duke Energy Carolinas, LLC 526 South Church Street				F	Authorization Number Not Applicable					
Charlotte, NC 28201-1006					Ī	Expiration Date Not Applicable				
Identification of	System, ASME CI		or Build	ing Spray, AS	ME C	Class 2		· · ·	<u> </u>	
a) Applicable Cons		USAS B		19 69	Editio	·	Addend	·	Code Case	
	on Section XI Utilize ion XI Code Case(s			19 98	Edition	on, <u>2000</u>	_ Addeno	ıa. ,		
. Identification of		None								
Name of Component	Name of Manufacturer	Manufact Serial Nui		National Board No.	ld	Other entification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No	
S/R 2-54A-3-0- 1439C-H5	DUKE	N/A		N/A	$\top$	N/A	1973	Installed	NO	
<u> </u>										
				,						
					1					
	<u> </u>	 			1		<u> </u>		-	
				·	╁		-	ļ <u>.</u>	<del> </del>	
		<u> </u>			1_					
. Description of	Work	<del></del>								
Repair washer pla	ate									
. Test Conduct	ed									
Hydros	,	tie No	ominal O	perating Pressur	re [	Exempt [	Other			
	Pressure	PS		-	_	ure	°F			

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 1913419 2 of 2 9. Remarks (Applicable Manufacturer's Data Reports to be attached) BAR, FLAT, CARBON STL, 1/4" THK X 4" WD, ASTM A36, UTC 1945481, Trace: M HT#DL0910315002 0 € 0 0 0 CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp Not Applicable Expiration Date Not Applicable Certificate of Authorization Number Not Applicable CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSB CT have inspected the components described. Hartford, Connecticut in this Owner's Report during the period to , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or corrected with this inspection. Commissions 13048, 201, A, N, T

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

As required by the provisions of the ASME Code Section XI Sheet 01916669 1 of 2 2. Plant Unit 1. Owner ONS - 2 Oconee Nuclear Station Duke Energy Carolinas, LLC 526 South Church Street 7800 Rochester Hwy Date Charlotte, NC 28201-1006 Seneca, SC 29672 9/7/2011 3. Work Performed by Type Code Symbol Stamp Not Applicable Duke Energy Carolinas, LLC **Authorization Number** 526 South Church Street Not Applicable Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class 2B Reactor Building Spray Pump, ASME Class 2 5. (a) Applicable Construction Code: USAS B31.7 68 Edition, 06/68 Addenda, Code Case (b) Applicable Edition Section XI Utilized For R/R Activity 98 Edition, 2000 Addenda. (c) Applicable Section XI Code Case(s) None 6. Identification of Components Name of Manufacturer Other Year ASME Name of **National** Corrected, Component Manufacturer Serial Number Board No. Identification Built Removed, Code or Installed Stamped (Yes / No) ON2BSPU0002 Model#: 4x11A Ingersoll-Rand 0369-142 UNK UNK Corrected NO 7. Description of Work Dry boron accumulation between discharge flanges was cleaned and studs were replaced per good maintenance practice. 8. Test Conducted Hydrostatic Nominal Operating Pressure Exempt Other Pneumatic Test Temperature ٥F Pressure

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 2 of 2 1916669 9. Remarks (Applicable Manufacturer's Data Reports to be attached) (QTY:16) Nut, Hex, Heavy Hex, 5/8", 11UNC-2B, Carbon Stl., ASME SA194 GR2H, ANSI B18.2.2, ASME Section III Subsection NB (CAT ID 293556), UTC#1977580 2 (OTY:72) Rod, Threaded 5/8", 11UNC-2A, Alloy Stl, ASME SA 193 GRB7, 1007B1AR1C0A005, A, ASME Section III Subsection NB (CAT ID 297412), UTC#1977960 0 0 0 0 0 CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section, XI. Type Code Symbol Stamp Certificate of Authorization Number Expiration Date Not Applicable Not Applicable 9/7/2011 , Engineer Date Signed Owner or Owner's Designed Little CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by Hartford, Connecticut have inspected the components described in this Owner's Report during the period  $\frac{G}{L}$  to  $\frac{1}{L}$ , 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 dorrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions 13048

Main Stea  USAS B31.7  or R/R Activity  None  anufacturer erial Number	Oconee Nuc 7800 Roches Seneca, SC	Ster Hwy 29672  Type Code Symb  Authorization Nu  Expiration Date	ool Stamp Not App	Date 11/8 plicable plicable plicable	/2011 Code Case
Main Stea  JSAS B31.7  or R/R Activity  None	Oconee Nuc 7800 Roches Seneca, SC  am, ASME Cla 19 69 8 19 98 8	Type Code Symbol Authorization Nu Expiration Date  ass 2  Edition, No Edition, Other	Not Approximate Not Approximate Not Approximate Not Approximate Not Addendary Not Addendary Not Addendary Not Addendary Not Approximate Not Ap	Date 11/8 policable policable policable Corrected, Removed,	/2011 Code Case
JSAS B31.7 or R/R Activity None	7800 Roches Seneca, SC  am, ASME Cla  19 69 E  19 98 E	Type Code Symbol Authorization Nu Expiration Date  ass 2  Edition, No Edition, Other	Not Approximate Not Approximate Not Approximate Not Approximate Not Addendary Not Addendary Not Addendary Not Addendary Not Approximate Not Ap	Date 11/8 plicable plicable a, No Ca.  Corrected, Removed,	/2011 Code Case
JSAS B31.7 or R/R Activity None	Seneca, SC  am, ASME Cla  19 69 E 19 98 E	Type Code Symb  Authorization Nu  Expiration Date  ass 2  Edition, No Edition, 2000	Not Approximate Not Approximate Not Approximate Not Approximate Not Addendary Not Addendary Not Addendary Not Addendary Not Approximate Not Ap	plicable plicable plicable  Corrected, Removed,	Code Case
JSAS B31.7 or R/R Activity None	am, ASME Cla  19 69 E 19 98 E	Authorization No  Expiration Date  ass 2  Edition, No Edition, 2000	Not Approximate Not Approximate Not Approximate Not Approximate Not Addendary Not Addendary Not Addendary Not Addendary Not Approximate Not Ap	plicable plicable plicable  A, No C	Code Case
JSAS B31.7 or R/R Activity None	19 69 E 19 98 E	Authorization Nu  Expiration Date  ass 2  Edition, No Edition, 2000	Not Approximate Not Approximate Not Approximate Not Approximate Not Addendary Not Addendary Not Addendary Not Addendary Not Approximate Not Ap	plicable  a, No Ca.  Corrected, Removed,	ASME Code
JSAS B31.7 or R/R Activity None	19 69 E 19 98 E	Expiration Date  ass 2  Edition, No Edition, 2000	Not App  Not App  Addenda  Addenda	No Corrected, Removed,	ASME Code
JSAS B31.7 or R/R Activity None	19 69 E 19 98 E	Edition, No Edition, 2000	Not App  Addenda  Addenda	No Corrected, Removed,	ASME Code
JSAS B31.7 or R/R Activity None	19 69 E 19 98 E	Edition, No Edition, 2000	Addenda Addenda	Corrected,	ASME Code
JSAS B31.7 or R/R Activity None	19 69 E 19 98 E	Edition, No Edition, 2000	Addenda	Corrected,	ASME Code
or R/R Activity None  anufacturer	19 98 E	Edition, 2000 Other	Addenda	Corrected,	ASME Code
		• • • • • •		Removed,	Code
		• • • • • •		Removed,	Code
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N/A	N/A	N/A	1973	Installed	МО
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		***************************************			
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1					
ldless eye nuts,	rods, bolts.				
	ldless eye nuts,	ldless eye nuts, rods, bolts.	ldless eye nuts, rods, bolts.	ldless eye nuts, rods, bolts.	Idless eye nuts, rods, bolts.  Nominal Operating Pressure Exempt Other

As required by the provisions of the ASME Code Section XI	Work Order Number	
·	WOLK Older Hamber	Sheet
	1926246	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)	<del></del>	L
● 4, 1" jam nuts UTC 1951881		· · · · · · · · · · · · · · · · · · ·
<b>9</b> 2, 1" weldless eye nuts UTC 1978069		•
2, 1 weighess eye hads 01C 1970009		
3 2, 1" carbon stl round bar UTC 1951530		
<b>3</b> 2, 1/8" X 8" alloy sti UTC 1978685		
<b>5</b> 2, 7/8"X8" threaded rod UTC 1978693		
2, 1/6 A6 timeated for 01C 15/18055		
<b>6</b> 16-7/8" heavy hex nuts UTC 1976747		
6		
0		
<u>•</u>		
<b>o</b>		
	·	
CERTIFICATE OF COMPL	JANÇE	~
	at this conforms to the re	equirements of the
I certify that the statements made in the report are correct and the ASME Code, Section XI.	at this comonnis to the re	
ASME Code, Section XI.	t Applicable	
ASME Code, Section XI.  Type Code Symbol Stamp  No		
ASME Code, Section XI.  Type Code Symbol Stamp  No  Certificate of Authorization Number  Not Applicable	t Applicable  Expiration Date	Not Applicable
ASME Code, Section XI.  Type Code Symbol Stamp  No	t Applicable	
ASME Code, Section XI.  Type Code Symbol Stamp  Not Applicable  Signed Awa D, Fra II.	t Applicable  Expiration Date	Not Applicable
ASME Code, Section XI.  Type Code Symbol Stamp  Not Applicable  Signed Awa D, Fra II.	t Applicable Expiration Date Date [//୩/ //	Not Applicable
ASME Code, Section XI.  Type Code Symbol Stamp  Not Applicable  Signed Authorization Number  Owner or Owner's Designee, Title  CERTIFICATE OF INSERVICE II., the undersigned, holding a valid commission issued by the Nat	t Applicable Expiration Date  Date (パケ/ツ	Not Applicable  d Pressure Vessel
ASME Code, Section XI.  Type Code Symbol Stamp  Not Applicable  Signed Authorization Number  Not Applicable  Signed Owner or Owner's Designee, Title  CERTIFICATE OF INSERVICE  I, the undersigned, holding a valid commission issued by the Nat Inspectors and the State or Province of South CAROLINA	t Applicable  Expiration Date  Date (/ )  INSPECTION  ional Board of Boiler and employed by	Not Applicable  d Pressure Vessel HSB CT
ASME Code, Section XI.  Type Code Symbol Stamp  Not Applicable  Signed Authorization Number  Not Applicable  Signed Owner or Owner's Designee, Title  CERTIFICATE OF INSERVICE  I, the undersigned, holding a valid commission issued by the Natinspectors and the State or Province of South Caloure  of Hartford, Connecticut	t Applicable  Expiration Date  Date (/ )  INSPECTION  ional Board of Boiler and employed by	Not Applicable  d Pressure Vessel
ASME Code, Section XI.  Type Code Symbol Stamp  Not Applicable  Signed Awa Commer's Designee, Title  CERTIFICATE OF INSERVICE  I, the undersigned, holding a valid commission issued by the Natinspectors and the State or Province of South CAROLOGO  Hartford, Connecticut  in this Owner's Report during the period  to the best of my knowledge and belief, the Owner has perform	Expiration Date  Date // T/ //  INSPECTION  ional Board of Boiler and employed by have inspected to // 401	Not Applicable  d Pressure Vessel  HSB CT  the components described  , and state that taken corrective measure
ASME Code, Section XI.  Type Code Symbol Stamp  Not Applicable  Signed Awa Country Designee, Title  CERTIFICATE OF INSERVICE  I, the undersigned, holding a valid commission issued by the National Inspectors and the State or Province of South Calouration this Owner's Report during the period to the best of my knowledge and belief, the Owner has perform described in this Owner's Report in accordance with the requirement	Expiration Date  Date // T/ //  INSPECTION  ional Board of Boiler and employed by have inspected to // 401; ned examinations and is of the ASME Code, Se	Not Applicable  d Pressure Vessel     HSB CT the components described     , and state that taken corrective measure ection XI.
ASME Code, Section XI.  Type Code Symbol Stamp  Not Applicable  Signed Awa Country Designee, Title  CERTIFICATE OF INSERVICE  I, the undersigned, holding a valid commission issued by the Nationspectors and the State or Province of South Carolina of Hartford, Connecticut in this Owner's Report during the period to the best of my knowledge and belief, the Owner has perform described in this Owner's Report in accordance with the requirement By signing this certificate neither the Inspector nor his employed.	Expiration Date  Date	Not Applicable  d Pressure Vessel     HSB CT  the components described     , and state that taken corrective measure ection XI.  nty, expressed or implied
ASME Code, Section XI.  Type Code Symbol Stamp  Not Applicable  Signed Awa Commer's Designee, Title  CERTIFICATE OF INSERVICE  I, the undersigned, holding a valid commission issued by the Nat Inspectors and the State or Province of South Carolina of Hartford, Connecticut in this Owner's Report during the period Inspector of the best of my knowledge and belief, the Owner has perform described in this Owner's Report in accompance with the requirement By signing this certificate neither the Inspector nor his emplicanceming the examinations and corrective measures described	Expiration Date  Date	Not Applicable  Pressure Vessel HSB CT the components described note that taken corrective measure taken corrective measure tection XI. The properties of implied for the formula in the correction in the correct
ASME Code, Section XI.  Type Code Symbol Stamp  Not Applicable  Signed Award Cowner's Designee, Title  CERTIFICATE OF INSERVICE  I, the undersigned, holding a valid commission issued by the Nat Inspectors and the State or Province of South Carolina of Hartford, Connecticut in this Owner's Report during the period October of the best of my knowledge and belief, the Owner has perform described in this Owner's Report in accompance with the requirement By signing this certificate neither the Inspector nor his employer shall be liable in any manner for any performance of the province of the province of the Inspector nor his employer shall be liable in any manner for any performance of the province of the province of the period that the Inspector nor his employer shall be liable in any manner for any period the period of the period that the province of the period that the	Expiration Date  Date	Not Applicable  Pressure Vessel HSB CT the components described note that taken corrective measure taken corrective measure tection XI. The properties of implied for the formula in the correction in the correct
ASME Code, Section XI.  Type Code Symbol Stamp  Not Applicable  Signed Awa Commer's Designee, Title  CERTIFICATE OF INSERVICE  I, the undersigned, holding a valid commission issued by the Nat Inspectors and the State or Province of South Carolina of Hartford, Connecticut in this Owner's Report during the period Inspector of the best of my knowledge and belief, the Owner has perform described in this Owner's Report in accompance with the requirement By signing this certificate neither the Inspector nor his emplicanceming the examinations and corrective measures described	Expiration Date  Date	Not Applicable  Pressure Vessel HSB CT the components described note that taken corrective measure taken corrective measure tection XI. The properties of implied for the formula in the correction in the correct
ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorization Number  Not Applicable  Signed Away, Fig. T.  Owner or Owner's Designee, Title  CERTIFICATE OF INSERVICE  I, the undersigned, holding a valid commission issued by the Nat Inspectors and the State or Province of  Hartford, Connecticut  in this Owner's Report during the period  to the best of my knowledge and belief, the Owner has perform described in this Owner's Report in accordance with the requirement By signing this certificate neither the Inspector nor his employer shall be liable in any manner for any polying arising from or commercial with this inspection.  Commissions	Expiration Date  Date (/ T/ //  INSPECTION  ional Board of Boiler and employed by have inspected to / 4 201  ned examinations and its of the ASME Code, So oyer makes any warra in this Owner's Report.	Not Applicable  Pressure Vessel  HSB CT  the components described  and state that taken corrective measure ection XI.  Inty, expressed or implied furthermore, neither the ty damage or a loss of an A. N. Z.
ASME Code, Section XI.  Type Code Symbol Stamp  Not Applicable  Signed Away, Fig. T.  Owner or Owner's Designee, Title  CERTIFICATE OF INSERVICE II  I, the undersigned, holding a valid commission issued by the Nat Inspectors and the State or Province of Hartford, Connecticut in this Owner's Report during the period to the best of my knowledge and belief, the Owner has perform described in this Owner's Report in accordance with the requirement By signing this certificate neither the Inspector nor his employer shall be liable in any manner for any polying arising from or commercial with this inspection.	Expiration Date  Date (/ T/ //  INSPECTION  ional Board of Boiler and employed by have inspected to / 4 201  ned examinations and its of the ASME Code, So oyer makes any warra in this Owner's Report.	Not Applicable  Pressure Vessel HSB CT the components described note that taken corrective measure taken corrective measure tection XI. The properties of implied for the formula in the correction in the correct
ASME Code, Section XI.  Type Code Symbol Stamp  Not Applicable  Signed Away, Frag Tr  Owner or Owner's Designee, Title  CERTIFICATE OF INSERVICE  I, the undersigned, holding a valid commission issued by the Nat Inspectors and the State or Province of Hartford, Connecticut in this Owner's Report during the period to the best of my knowledge and belief, the Owner has perform described in this Owner's Report in accordance with the requirement By signing this certificate heither the Inspector nor his empl	Expiration Date  Date	Not Applicable  d Pressure Vessel  HSB CT  the components describe  and state the taken corrective measure ection XI.  Inty, expressed or implications.

.s requir	red by the provisions of the ASN	4E Code Section	ΧI		1	Order Num 019270	52 - 00	Sheat	Page 1 of 2
1. Owner	Duke Energy Carolinas, LLC		2. Plant Ocone	e Nuclear Stati	on			Unit 2	
	526 South Church Street		7800 R	Rochester Hwy				<b></b>	30/2011
	Charlotte, NC 28201-1006		Seneca	a, SC 29672-07	752			Date 11/5	30/2011
3. Work P	Performed by  Duke Energy Carolinas, LLC					Туре Сос	de Symbol S	Stamp Not Appli	cable
	526 South Church Street		•			Authoriz	zation Numi	ber Not Appli	cable
	Chadotte, NC 28201-1006				`	Expirati	on Date	Not Appli	cable
4. Identifi	fication of Systems, ASME Class	Low Pres	ssure Service Water	, ASME Cla	ass 2				
(b) Applic	icable Construction Cod <u>USAS B31.1</u> icable Edition Section XI Utilized For R/R A icable Section XI Codes Ceses(s)	1967: Edition	ion, <u>No</u> Addenda <u>N</u> i Ion, <u>2000</u> Addenda	ko Code Case A	び				
. Identific	eation of Coimponents								
٠.	Name of Component	Manufacturer:	Manufacturer Serial Number	National Board No	Oth identifi	ner ication	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
10 inch	n Sch. 40 Pipe	Duke	n/a	UNK	See Remar	rks	2011	Corrected	No
				,					,
Ì									
7 Darce	ription of Work								<del></del>
Re	eplacement of 1" half-coupling connections for 2LPSW-667 and 2	connections at her	ader pipe U/S of 2Lf	PSW-561, 667	, 668 &	669 and	l weld rep	pairs on the 10"	Sch. 40
	Conducted			<del></del>					
_	Hydrostatic Pnuem	natic N	ominal Operating Pr	ressure 🗹	Excemp	pl	☐ Oth	ier	
	Pressure	PSI			Test '	Tempera	ature	Deg	a. F

	n XI	•	Vork Order Nu 01927	mbe 052 - <b>0</b> 0	Sheet	Page 2 of 2
Remarks (Applicable Manufactuer's Data Reports to be attached)						
Weld Filler Materal	3/32"	UTC 1924589				
Weld Filler Materal	1/8"	UTC 1920128	·N			•
Weld Filler Materal	1/16"	UTC 1919606 (	XV X			
Weld Filler Materal	3/32"	UTC 1926788/	/ ·		•	
Weld Filler Materal	1/16"	UTC 1967239				
Weld Filler Materal	3/32"	UTC 1974023				
CER	TIFICATION	OF COMPLIA	NCE			
I certify that the statements made in the report a	re correct and th	at this conforms to the	requireme	nts of the		
ASME Code, Section XI			,			
Type Code Symbol Stamp		Not Applicable				
Certificate of Autherization Number	Not Applicable	Expira	tion Date	Not A	pplicable	
				_		
Signed Geary L. Armentrout, Principal Enginee	Sa X	Date		11/30/2011		
Signed Geary L. Armentrout, Principal Enginee  Owner or Owner's D.	1-any 0.	Date		11/30/2011		
	1-any 0.	Date		11/30/2011		
Owner or Owner's D	esignee, Tilie	Date  NSERVICE INS				
Owner or Owner's D	esignee, Title  ATION OF I ssued by the Nat	NSERVICE INS	PECTIO	N		
CERTIFIC  I, the undersigned, holding a valid commission is inspectors and State or province of	esignee, Title  ATION OF I ssued by the Nat	NSERVICE INS ional Board of Boiler a	PECTIO	N e Vessel HSB.CT		
Owner or Owner's D  CERTIFIC  I, the undersigned, holding a valid commission is inspectors and State or province of Source of Hartford, Connecticut	esignee, Title  ATION OF I ssued by the Nat	NSERVICE INS	PECTIO	N e Vessel HSB.CT nents describ		
Owner or Owner's D  CERTIFIC  I, the undersigned, holding a valid commission is inspectors and State or province of Source  of Hartford, Connecticut in the Owner's Report during the period	esignee, Title  ATION OF I ssued by the Nat CAROLINI	NSERVICE INS ional Board of Boiler a and employed by have inspected to	PECTIO	N e Vessel HSB.CT nents describ , and sta		
Owner or Owner's D  CERTIFIC  I, the undersigned, holding a valid commission is Inspectors and State or province of Source  of Hartford, Connecticut	esignee, Title  ATION OF I ssued by the Nat CAROLIN  Thas performed	NSERVICE INS  and employed by have inspected to	PECTIO and Pressur the compon	N e Vessel HSB.CT nents describ , and sta		
Owner or Owner's D  CERTIFIC  I, the undersigned, holding a valid commission is inspectors and State or province of Source of Hartford, Connecticut in the Owner's Report during the period to the best of my knowledge and belief, the Owner described in this Owner's Report in accordance we	esignee, Title  ATION OF I ssued by the Nat CAZOLINI r has performed ith the requirement	NSERVICE INS ional Board of Boiler a and employed by have inspected to 9 examinations and takents of the ASME Code	PECTIO and Pressur the compor	N e Vessel HSB.CT nents describ, and sta e measures		
CERTIFIC  I, the undersigned, holding a valid commission is inspectors and State or province of Source of Hartford, Connecticut in the Owner's Report during the period to the best of my knowledge and belief, the Owner described in this Owner's Report in accordance w  By signing this certificate nether the inspector of concerning the examinations and corrective measurements.	esignee, Title  ATION OF I ssued by the Nat CAROLINI  r has performed ith the requirement or his employer sures described in	NSERVICE INS ional Board of Boiler a and employed by have inspected to	PECTIO and Pressur the compoi con corrective, Section >	e Vessel HSB.CT nents describ , and sta e measures (I. implied, re, neither the	te that	
CERTIFIC  I, the undersigned, holding a valid commission is inspectors and State or province of Source of Hartford, Connecticut in the Owner's Report during the period to the best of my knowledge and belief, the Owner described in this Owner's Report in accordance w  By signing this certificate nether the inspector of concerning the examinations and corrective measinspector for his employer shall be liable in any manner.	esignee, Title  ATION OF I ssued by the Nat CAROLINI  T has performed ith the requirement or his employer sures described in anner for any performent of the second of the	NSERVICE INS ional Board of Boiler a and employed by have inspected to	PECTIO and Pressur the compoi con corrective, Section >	e Vessel HSB.CT nents describ , and sta e measures (I. implied, re, neither the	te that	
CERTIFIC  I, the undersigned, holding a valid commission is inspectors and State or province of Sorni of Hartford, Connecticut in the Owner's Report during the period to the best of my knowledge and belief, the Owner described in this Owner's Report in accordance w  By signing this certificate nether the inspector of concerning the examinations and corrective meas	esignee, Title  ATION OF I ssued by the Nat CAROLINI  T has performed ith the requirement or his employer sures described in anner for any performent or any performent of the second of	NSERVICE INS ional Board of Boiler a and employed by have inspected to	PECTIO and Pressur the compoi con corrective, Section >	e Vessel HSB.CT nents describ , and sta e measures (I. implied, re, neither the	te that	
CERTIFIC  I, the undersigned, holding a valid commission is inspectors and State or province of Source of Hartford, Connecticut in the Owner's Report during the period to the best of my knowledge and belief, the Owner described in this Owner's Report in accordance w  By signing this certificate nether the inspector of concerning the examinations and corrective measinspector of his employer shall be liable in any many kind rising from or connected with this inspect	esignee, Title  ATION OF I ssued by the Nat CAROLINI  T has performed ith the requirement or his employer sures described in nanner for any petion.	NSERVICE INS ional Board of Boiler a and employed by have inspected to	PECTIO and Pressur the compoi con corrective, Section >	e Vessel HSB.CT nents describ , and sta e measures (I. implied, re, neither the	te that	
CERTIFIC  I, the undersigned, holding a valid commission is inspectors and State or province of Source of Hartford, Connecticut in the Owner's Report during the period to the best of my knowledge and belief, the Owner described in this Owner's Report in accordance w  By signing this certificate nether the inspector of concerning the examinations and corrective measinspector for his employer shall be liable in any manner.	esignee, Title  ATION OF I ssued by the Nat CAROLINI  T has performed ith the requirement or his employer sures described in nanner for any petion.	NSERVICE INS ional Board of Boiler a and employed by have inspected to	PECTIO and Pressur the compoi con corrective, Section >	e Vessel HSB.CT nents describ , and sta e measures (I. implied, re, neither the	te that	
CERTIFIC  I, the undersigned, holding a valid commission is inspectors and State or province of Source of Hartford, Connecticut in the Owner's Report during the period to the best of my knowledge and belief, the Owner described in this Owner's Report in accordance w  By signing this certificate nether the inspector of concerning the examinations and corrective measinspector of his employer shall be liable in any many kind rising from or connected with this inspect	esignee, Title  ATION OF I ssued by the Nat CAROLINI  T has performed ith the requirement or his employer sures described in nanner for any petion.	NSERVICE INS ional Board of Boiler a and employed by have inspected to	PECTIO and Pressur the compore en corrective e, Section > expressed or Furthermo rty darmage	e Vessel HSB.CT hents describ , and state measures (I.) implied, re, neither the or a loss of	te that	

As required by the provisions of the ASN	IE Code Section	ΧI		Work Order N	umbe	Sheet				
				0192	7178 - 01		Page 1 of 2			
1. Owner Duke Energy Carolinas, LLC	•	2. Plant Ocone	e Nuclear Stat	ion		Unit 2				
526 South Church Street		7800 F	Rochester Hwy				70/0044			
Charlotte, NC 28201-1006		Senec	a, SC 29672-0	752		Oate 11	/2/2011			
3. Work Performed By Not Applicable										
Ouke Energy Carolinas, LLC										
526 South Church Street Not Applicable										
Charlotte, NC 28201-1006				Expli	ation Date	Not Appl	icable			
4. Identification of Systems, ASME Class	Low Pres	sure Service Water	, ASME CI	ass 2		,	·			
6.  (a) Applicable Construction Cod USAS 831.1  1967: Edition, No. Addenda No. Code Case (b) Applicable Edition Section XI Utilized For R/R Activity 1998: Edition, 2000 Addenda (c) Applicable Section XI Codes Cases(s)  None										
6. Identification of Coimponents			·							
Name of Component	Manufacturer:	Manufacturer Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)			
4 inch Sch 40 Pipe	Duke	UNK	None	UTC#: 1953099	2011	Installed	No			
7. Description of Work  REPLACE 4" DIA. LPSW (RX BLDG FIRE PROTECTION) PIPING (APPROX.7 INCHES LONG) FROM 6"X6"X4" TEE CONNECTION TO VALVE 2LPSW-563 WITH NEW CARBON STEEL.										
8. Test Conducted  Hydrostatic Pnuema	atic 📝 No	ominal Operating Pr	essure $\square$	Excempt	Oth	er				
Pressure	PSI		<del></del>	Test Tempe		Deg	<sub>)</sub> . F			

\*W.O. 1948273-73 METER TEST 2243HZ-1014

As required by the provisions of the ASME Code Section XI

$\cdot$
CERTIFICATION OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI
Type Code Symbol Stamp Not Applicable
Certificate of Autherization Number Not Applicable Expiration Date Not Applicable
Signed Geary L. Armentrout, Principal Engineer Bate 11/2/2011
Owner or Owner's Designee, Title
CERTIFICATION OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and State or province of South CARollwand employed by HSB CT
of Hartford, Connecticut have inspected the components described in the Owner's Report during the period 4/7-/// to //5/// , and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures
described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer make any warrenty, expressed or implied,
concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of
any kind rising trompor connected with this inspection.
Commision(s) 13048 701, ANI
Inspectors Enginature National Board, State, Province, and Endorsements

Work Order Numbe

01927178 - 01

Page 2 of 2

required by the prov	usions of the ASME	Code Section	on XI		Wart	Order Num		161-44	
					AAOUK			Sheet	
			·			019363	54-02	l of	2
. Owner		_	2. Plan					Unit	
	gy Carolinas, LL( Church Street	S	ŀ	Oconee Nuc					S - 2
	NC 28201-1006			Seneca, SC	Chester Hwy SC 29672				
			L					11/8/	2011
. Work Performed	oy.				Туре	Code Symb		plicable	
	rgy Carolinas, LL	C			Auth	orization Nu			
	Church Street	•					Not Ap	plicable	
Charlotte,	NC 28201-1006				Expi	ration Date	Not An	plicable	,
4. Identification of	System, ASME CI	188					HOLAP	prication	
	•		ssure Inj	ection System,	ASME (	Class 2			
5.									
(a) Applicable Cons (b) Applicable Edition		USAS I			Edition, Edition,	No 2000	_ Addend		Code Cas
(c) Applicable Secti			-	17	culuon,	2000	_ Audend	ia.	
6. Identification of									
Name of	Name of	Manufac		National		ther	Year	Corrected,	ASME
Component	Manufacturer	Serial Nu	ımber	Board No.	Ident	ification	Built	Removed, or installed	Code
	[		ļ					Or mistaned	(Yes / N
Pipe	DECo	Nor	ie	None	See	Remarks	2011	Installed	NO
	<del> </del>	<del> </del>				<u> </u>	<del> </del>	<del> </del>	┼──
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7. Description of	f Work	ــــــــــــــــــــــــــــــــــــــ	<del></del>	<del></del>			<del></del>		
Replace Pipe and	d elbow								
- -									
8. Test Conduc						<del></del>			·
Hiydro			Nominal (	Operating Pressur		Exempt	Other		
	Pressure		PSI	Test Ten	peratur	•	°F		

Work Order Number Sheet 01936354 2 of 2 9. Remarks (Applicable Manufacturer's Data Reports to be attached) • 6 feet of 4 inch pipe CID# 149465 UTC# 1974006 Data Pack Attached 4 inch Elbow CID# 80119 UTC# 1924166 Data Pack Attached 0 0 CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section X1. Not Applicable Type Code Symbol Stamp Certificate of Authorization Number Not Applicable Expiration Date Not Applicable Robert Bell, Tech Spec IV Date 11/8/2011 Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Catolina and employed by HSB CT Hartford, Connecticut have inspected the components described , and state that in this Owner's Report during the period in this Owner's Report during the period  $\frac{d}{27/11}$  to  $\frac{d}{27/11}$ , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures to 1/5/17 described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions 13048, 201, A, W, T

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

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 01936354-04 1 of 2 2. Plant Unit 1. Owner ONS - 2 Oconee Nuclear Station Duke Energy Carolinas, LLC 526 South Church Street 7800 Rochester Hwy Date Charlotte, NC 28201-1006 Seneca, SC 29672 11/2/2011 Type Code Symbol Stamp 3. Work Performed by Not Applicable Duke Energy Carolinas, LLC **Authorization Number** 526 South Church Street Not Applicable Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class High Pressure Injection System, ASME Class 2 (a) Applicable Construction Code: **USAS B31.7** 19 69 Edition. Addenda. **Code Case** (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda. (c) Applicable Section XI Code Case(s) 6. Identification of Components Name of Name of Manufacturer **National** Other Year Corrected, ASME Board No. Identification Built Removed. Component Manufacturer Serial Number Code or installed Stamped (Yes / No) 2HP-31 Fisher 14A3722X252 UKN UKN · UKN Corrected NO 7. Description of Work Replace Disc/Stem Assembly **Test Conducted** Exempt Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure PSI Test Temperature ٥K

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 2 of 2 01936354-04 9. Remarks (Applicable Manufacturer's Data Reports to be attached) • Stem/Plug Assembly CID# 860541 UTC# 1986065 Data Report Attached Plug/Stem assembly 14A3722X252 consists of the following components: Plug 14A3722X242, Stem 10A9265ES2 And Pin 1B813635072 0 CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp Not Applicable Certificate of Authorization Number Not Applicable Expiration Date Not Applicable Robert Bell, Tech Spec IV Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South CAZO(M94 and employed by HSB CT have inspected the components described Hartford, Connecticut ecticut 11/7/2011 to 1/4/2012 , and state that in this Owner's Report during the period to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate-neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions 13048 201 ANT
National Board, State, Province, and Endorsements Inspector's Signature

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 01936354 1 of 2 2. Plant Unit 1. Owner ONS - 2 Duke Energy Carolinas, LLC Oconee Nuclear Station 526 South Church Street 7800 Rochester Hwy Date Charlotte, NC 28201-1006 Seneca, SC 29672 11/2/2011 Type Code Symbol Stamp 3. Work Performed by Not Applicable Duke Energy Carolinas, LLC **Authorization Number** 526 South Church Street Not Applicable Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class High Pressure Injection System, ASME Class 2 (a) Applicable Construction Code: **USAS B31.7 Code Case** Edition, No Addenda, No (b) Applicable Edition Section XI Utilized For R/R Activity 2000 98 Edition, Addenda. (c) Applicable Section XI Code Case(s) None 6. Identification of Components Name of Name of Manufacturer **National** Other Year Corrected, **ASME** Serial Number Board No. Identification Removed, Code Component Manufacturer Built or installed Stamped (Yes / No) part# 2HP-31 UKN UKN Corrected NO Fisher AF9822-1 3V5594X0012 7. Description of Work Replace Valve Body 8. Test Conducted Nominal Operating Pressure Exempt Hydrostatic Pneumatic Other Test Temperature Pressure

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 2 of 2 01936354 9. Remarks (Applicable Manufacturer's Data Reports to be attached) ● Valve Body CID# 874236 UTC# 1976945 Data Report Attached 2 Lot # FSNB, Heat # SN31 0 0 Ð CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Not Applicable Type Code Symbol Stamp Not Applicable Expiration Date Not Applicable Certificate of Authorization Number Owner or Owner's Designee, Title Robert Bell, Tech Spec IV CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South CAROLINA and employed by Hartford, Connecticut have inspected the components described 4/27/11 to 1/5/12 , and state that in this Owner's Report during the period to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Qwner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate reither 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 a connected with this inspection. Commissions 13048, 201, A, J, T National Board, State, Province, and Endorsements Inspector's Signature

### FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL **NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III

1976945

N/A

# temp, "F

Not to exceed One Day's Production 0536883 Pg. 1 of 2 1. Manfuactured and certified by FISHER CONTROLS INTO LLC. 205 SOUTH CENTER STREET, MARSHAULTOWN, IA. 50153 (name and address of NPT Certificate Holder) DUXE ENERGY CAROLINAS LLC. DEPT ID OPHONS, PO BOX 37975, CHARLOTTE, NC 28237 (name and address of punchaser) 2. Manfuactured for 3. Location of installation DUKE ENERGY, OCONEE SITE-RECEIVING DEPT. 155 PICKENS HYW (SC HWY 183), SENECA, SC 29572 (name and address) SA351 CFBM (matt spec. no.) 4. Type (drawing no.) 70 KSI (tensile-strength) N/A (CRN) 2011 (Asat pros) 5. ASME Code, Section III: 1986 (edition) 1988 -N/A (Code Case no.) (addenda dala) 8. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision MΑ N:A 7. Remarks:

8. Nom. thickness (In.)

DESIGN: ASME BRYC SECT. III. DIV. 1. 1888 EDITION. 1988 ADDENDA. CLASS: 2 OTHER: ASME BRYC SECT. III. DIV. 1. 1898 EDITION. 1898 ADDENDA. CLASS: 2

'N/A Ola. ID (# & in.)

MA Min. design thickness (m.)

·	Part or Appurterrance Serial Number	Heat Number	Part or Appurtenance Serial Number	Heat Number
1	AF9822-1	FHN8 SN: 31	(26)	
2)			(27)	
3)			(28)	
4)			(29)	
5)			(30)	
B)			(31)	
7)			(32)	
(8)			(33)	
(9)			(34)	
(10)			(35)	
(11)			(36)	
(12)			an	
(13)	*		(38)	
(14)			(39)	
(15)			(40)	
(18)			(41)	
(17)			(42)	
(18)	<del> </del>		(43)	
(18)			(44)	
(20)	······································		(45)	
(21)			(46)	
(22)			(47)	
(23)			(48)	
(24)			(49)	
(25)		-	(50)	

<sup>10.</sup> Design Pressure 3050 200

Temp.

N/A Length overall (ft & in.)

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

Hydro, test pressure 5825 PS1 (When applicable)

## FORM N-2 (back - Pg. 2 of 2)

1976945

Certificate Holder's Saitel Nas. AF9822-1 through N/A

	CERT	ification of design		
Design specifications certified by	SANDY H. CLARK (when applicable)	P.E. State SC	· Reg. no. <u>9588</u>	
Design report" certified by	(when applicable)	P.E. Slote N'A	Reg. no. N/A	
	CERTIFICAT	non of shop compliance		7
We cortly that the statements made to conforms to the rules of construction of	n this report are correct and that the think the ASME Code, Section III.	nis (these) <u>2' BODY</u>	•	
NPT Certificate of Authorization No.	N-1930	•	Expires 10-27-2013	
Date 4   6   1	Name EISHER CONTROLS (NPT Cardificate Holds		Signed Call of Maria Oct	
		ATION OF SHOP INSPECTION		1
		Board of Boller and Pressure Van	ssel Inspectors and the state or Provice of hove	
of Hartford, CT have inspected these	am Roller of CT. 2 Items described in this Data Rep	on on 4-6-11		
and belief, the Certificate Holder has authorized for stamping on the date By signing this cartificate, neither th	s fabricated these parts or appure shown above. e Inspector nor his employer make	mances in accordance with the A es any warranty, expressed or im	SME Code, Section III. Each part fisted has been plied, concerning the equipment described in this Data by or property damage or loss of any kind ensing from or	
Date 4-6-11 Signed (A	Let Calley	Commissions	NB 7891 NBA 822 I	A.

	visions of the ASME					Work Order Nu	nber	Sheet	
						0193	6969	1 o	f 2
. Owner	<del></del>		2. Plan	t				Unit	
Duke Ene	ergy Carolinas, LL	c Ì	•	Oconee N	ucle	ar Station		40	√S - 2
	Church Street	j		7800 Rocl				Date	
Charlotte  B. Work Performe	NC 28201-1006			Seneca, So	29	9672 Type Code Sym	amet 2 to de	11/1:	5/2011
	•	_			ļ	Type Code Syn		plicable	
	ergy Carolinas, LL h Church Street	.C				Authorization N		plicable	
	NC 28201-1006					Expiration Date		<u> </u>	
l da sification o	Custom ACME CI				_		Not Ap	plicable	
, Identification o	f System, ASME CI		ressure	Injection, AS	ME	Class 2			
5.	4 - 41 - 4 - 4 - 4	110100	21.5						
(a) Applicable Con (b) Applicable Editi	struction Code:	USAS B		- 19 69 19 98		ition, No 2000	Addend Addend	·	Code Case
	ion XI Code Case(s			- <del></del>					
6. Identification o	f Components	<del></del>				<del></del>			
Name of Component	Name of Manufacturer	Manufact Serial Nur		National Board No.		Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No
2HP-363	BNL Ind	A93020	1-1	Unk	$^{\dagger}$	Unk	Unk	Removed	NO
2HP-363	Flowserve	60BA	2	1452		UTC 1078372	2005	Installed	YES
Piping	DECo	None		None		None	2011	Installed	NO
					<u> </u>				
			_	· · · · · · · · · · · · · · · · · · ·	+				
					1			ļ	ļ ·
		}							
7. Description of EC100478 - repl	Work ace 2". Class B, is	olation valv	/e 2HP-	363 and pipin	g, re	moval and rei	nstallation	of 2HP-364	
8Test Conduct				perating Pressu Test Ter		Exempt ature	Other of		

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 01936969 2 of 2 9. Remarks (Applicable Manufacturer's Data Reports to be attached) 0 0 CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp Not Applicable Not Applicable Expiration Date Not Applicable Certificate of Authorization Number Bill Foster, Engineer III Date 11/15/2011 Signed Owner or Owner's Designee. Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South CAROLINA and employed by HSB CT have inspected the components described Hartford, Connecticut in this Owner's Report during the period 8.15.11 to 12.14.11 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his energy shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions 13048 ZOL A VI

National Board, State, Province, and Endorsements Date /2.14.11

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 1 of 2 1946318-01 1. Owner 2. Plant Unit Duke Energy Carolinas, LLC Oconee Nuclear Station ONS - 2 526 South Church Street 7800 Rochester Hwy Date Charlotte, NC 28201-1006 Seneca, SC 29672 11/3/2011 3. Work Performed by Type Code Symbol Stamp Not Applicable Duke Energy Carolinas, LLC **Authorization Number** 526 South Church Street Not Applicable Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class Reactor Building Spray, ASME Class 2 5. (a) Applicable Construction Code: **USAS B31.7** 19 Edition, No Addenda, na Code Case (b) Applicable Edition Section XI Utilized For R/R Activity 2000 19 98 Edition, Addenda. (c) Applicable Section XI Code Case(s) None 6. Identification of Components 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) 2BS-3 Crane Unknown n/a n/a Corrected YES unk 7. Description of Work Only the stud nuts were changed as several of them were thought to have been damaged as they were hard to remove. No deviations, like for like changes. 8. Test Conducted Pneumatic Exempt Hydrostatic Nominal Operating Pressure Pressure Test Temperature ٥F

	Work Order Number	Sheet
	1946318-01	2 of 2
Remarks (Applicable Manufacturer's Data Reports to be attached)		
Replaced (32) 7/8" nuts on body to bonnet flange on 10" valve. SA-194, G	r 8 material, UTC #: 191	9119
3	- ·	<u> </u>
3	,	
9		
6		
<b>6</b>		
0		
0		
9		
0		
I certify that the statements made in the report are correct and that ASME Code, Section XI.  Type Code Symbol Stamp  Not A	this conforms to the r	equirements of the
Certificate of Authorization Number Not Applicable	Expiration Date	Not Applicable
Signed Owner or Owner's Designee, Title	Date	11/4/2011
Owner of Owner & Designee, Three		
CERTIFICATE OF INSERVICE IN	ISPECTION	
I, the undersigned, holding a valid commission issued by the Nation Inspectors and the State or Province of		d Pressure Vessel HSB CT

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 1 of 2 01948273 Unit 1. Owner 2. Plant ONS - 2 Duke Energy Carolinas, LLC Oconee Nuclear Station 7800 Rochester Hwy 526 South Church Street Date Charlotte, NC 28201-1006 Seneca, SC 29672 11/22/2011 Type Code Symbol Stamp 3. Work Performed by Not Applicable Duke Energy Carolinas, LLC **Authorization Number** 526 South Church Street Not Applicable Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class Low Pressure Service Water, ASME Class 2 5. (a) Applicable Construction Code: **USAS B31.7** 19 69 Edition, No Addenda, No: Code Case (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda. (c) Applicable Section XI Code Case(s) None 6. Identification of Components Name of Name of Manufacturer National Other Corrected, ASME Year Identification Component Manufacturer Serial Number Board No. Built Removed, Code or Installed Stamped (Yes / No) (1) 14B-0-1480A-Duke Energy None Unk Corrected None None NO H9A (2) 14B-0-1480A-Duke Energy None None Unk Corrected NO None H15A (3) Piping Duke Energy None 2011 NO None None Installed 7. Description of Work EC102463 replaced carbon steel piping with stainless steel piping and modified supports. 8. Test Conducted Pneumatic Nominal Operating Pressure Exempt Other Pressure Test Temperature

	Work Order Number	Sheet
	01948273	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
Support 14B-0-1480A-H9A, removed 1/2" carbon steel plate. Repl	aced with 1/2" stainless steel pla	ate.
Support 14B-0-1480A-H15A, removed 1/2" carbon steel plate. Rep	placed with 1/2" stainless steel p	
welded, 3/16" plate and 3/8" plate. Replaced with hilti kb3 and 3/8" x	3" x 3" angle.	
③ Installed 1/2",1", 3" and 4" piping.		· ·
<b>9</b>		`
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<b>6</b>		
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9		
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	· · · · · · · · · · · · · · · · · · ·	
CERTIFICATE OF C	OMPLIANCE	
I certify that the statements made in the report are correct a ASME Code, Section XI.	nd that this conforms to the r	equirements of the
Type Code Symbol Stamp	Not Applicable	•
Certificate of Authorization Number Not Applicable	Expiration Date	Not Applicable
Signed David Hubbard/Technical Special	ist II Date	11/22/2011
Owner or Owner's Designee, Title		
CERTIFICATE OF INSER		•
I, the undersigned, holding a valid commission issued by the Inspectors and the State or Province of South CAROLI	e National Board of Boiler and employed by	d Pressure Vessel HSB CT
of Hartford, Connecticut		the components described
in this Owner's Report during the period 8/17/1/	to 1/10/12	, and state that
to the best of my knowledge and belief, the Owner has pe		
described in this Owner's Report in accordance with the require By signing this cartificate heither the Inspector nor his	emplover makes any warra	ection AI. Intv. expressed or implied:
concerning the examinations and forregive measures descr	bed in this Owner's Report	. Furthermore, neither the
Inspector nor his entrloyer shall be liable in any manner for a kind arising from or connected with this inspection.	iny personal injury or proper	ty damage or a loss of any
kind anality for to head sector with the inspection.		
Mark Commission		NI
Inspector's Signature	National-Board, State, P	rovince, and Endorsements
Date _//10/12	•	

<b>)</b>	
01962825 1 of 2	2
1. Owner 2. Plant Unit	
Duke Energy Carolinas, LLC Oconee Nuclear Station ONS	2
526 South Church Street 7800 Rochester Hwy Date	
Charlotte, NC 28201-1006 Seneca, SC 29672	.011
3. Work Performed by Type Code Symbol Stamp	
Not Applicable  Duke Energy Carolinas, LLC  Authorization Number	
Suth Church Street  Authorization Number  Not Applicable	
Charlotte, NC 28201-1006 Expiration Date	
Not Applicable	
4. Identification of System, ASME Class  LPSW - Piping to 2B1 RCP Motor Air Coolers, ASME Class 2	1
5.	
	de Case
(b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda.	1
(c) Applicable Section XI Code Case(s) None  6. Identification of Components	
Name of   Name of   Manufacturer   National   Other   Year   Corrected,	ASME
Component Manufacturer Serial Number Board No. Identification Built Removed,	Code
	Stamped (Yes / No)
2B1 RCP Motor	<u> </u>
Upper Air Cooler Duke Unknown None None 2011 Installed	МО
bolting (1) (2)	
<del></del>	<del></del>
7. Description of Work	
Corrective work on the 2B1 RCP Motor Coolers (tube cleaning) required removal of the cooler waterbox. This	
involved disassembling the Low Pressure Service (LPSW) piping from the coils. The 1/2-inch diameter bolting	g
material for the waterboxes required replacement due to surface degradation and maintenance convenience.  8. Test Conducted	
Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other	
Pressure PSI Test Temperature °F	

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 01962825 2 of 2 9. Remarks (Applicable Manusacturer's Data Reports to be attached) • Replaced RCP Motor Air Cooler waterbox studs and nuts. - Nuts, hex, heavy hex, 1/2", 13 UNC-2B, carbon stl, ASME SA194 GR 2H, ANSI B18.2.2, ASME SA 194 Gr 2H, Catalog ID 313135, UTC # 0001963140. - Studs - cut from rod, threaded, 1/2", 13 UNC-2A, alloy stl, ASME SA193 GR B7, Catalog ID # 297411, UTC # - various: 0001938183, 0001936901, 0001938187, 0001935521. See Remark (2) below. Threaded rod issued on 2B1 lower air cooler WO 01962826. PIP O-11-13151 written on loss of traceability between coolers. 0 0 0 0 0 0 0 CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp Not Applicable Certificate of Authorization Number Not Applicable Expiration Date Not Applicable Date Signed Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Cazolina and employed by HSB CT have inspected the components described Hartford, Connecticut in this Owner's Report during the period 10/27/11 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 01962826 1 of 2 2. Plant 1. Owner Unit ONS - 2 Duke Energy Carolinas, LLC Oconee Nuclear Station 526 South Church Street 7800 Rochester Hwy Date Charlotte, NC 28201-1006 Seneca, SC 29672 11/4/2011 3. Work Performed by Type Code Symbol Stamp Not Applicable Duke Energy Carolinas, LLC **Authorization Number** 526 South Church Street Not Applicable Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class LPSW - Piping to 2B1 RCP Motor Air Coolers, ASME Class 2 (a) Applicable Construction Code: **USAS B31.1** 67 Edition, No Addenda, Code Case No (b) Applicable Edition Section XI Utilized For R/R Activity 2000 98 Edition, Addenda. (c) Applicable Section XI Code Case(s) None 6. Identification of Components Name of Manufacturer **National** Name of Other Year Corrected, **ASME** Component Manufacturer Serial Number Board No. Identification Built Removed, Code or Installed Stamped (Yes / No) 2B1 RCP Motor Lower Air Cooler Duke Unknown None - 2011 Installed None NO bolting (1)(2) 7. Description of Work Corrective work on the 2B1 RCP Motor Coolers (tube cleaning) required removal of the cooler waterbox. This involved disassembling the Low Pressure Service (LPSW) piping from the coils. The 1/2-inch diameter bolting material for the waterboxes required replacement due to surface degradation and maintenance convenience. 8. Test Conducted Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure **PSI** Test Temperature ۰F

is required by the provisions of the ASME Code Section XI	Work Order Number	Sheet
	01962826	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)	01702020	L
Replaced RCP Motor Air Cooler waterbox studs and nuts Nuts, hex, hex GR 2H, ANSI B18.2.2, ASME SA 194 Gr 2H, Catalog ID 313135, UTC # 000 - Studs - cut from rod, threaded, 1/2", 13 UNC-2A, alloy stl, ASME SA193 GR 0001938183, 0001936901, 0001938187, 0001935521. See Remark (2) below.	1963140. RB7, Catalog ID #297411, UTC	1
2 No threaded rod issued on 2B1 upper air cooler WO 01962825. PIP O-11-	13151 written on loss of traceabi	lity between coolers.
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<b>©</b>		
CERTIFICATE OF COMPLIA	INCE	
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	Applicable
Signed James Battoro, engineer  when the signed by the signed of the sig	Date 11/4/2011	
CERTIFICATE OF INSERVICE IN	SPECTION	
I, the undersigned, holding a valid commission issued by the Natio Inspectors and the State or Province of Hartford, Connecticut	and Board of Boiler and Pressi and employed by have inspected the com	HSB CT

-					Work Order Num	ber	Sheet	
					01962	2827	l of	2
. Owner			. Plai		Unit			
	gy Carolinas, LLO Church Street			Oconee Nuc 7800 Roche	eton Illusti			
	NC 28201-1006			Seneca, SC	•		Date 11/4	/2011
3. Work Performed	by			<del></del>	Type Code Symt		plicable	
	rgy Carolinas, LL	C .			Authorization Nu		Piteubie	
	Church Street NC 28201-1006					Not Ap	plicable	
Charlotte,					Expiration Date	Not Ap	plicable	
I. Identification of			B2 R0	CP Motor Air C	oolers , ASME Cla	ass 2		
<del></del>		- 1 17 115 10 21			oolors , riching on			
(a) Applicable Cons (b) Applicable Edition		USAS B3			Edition, No Edition, 2000	_ Addend	·	Code Case
(c) Applicable Secti			y	19 <u>98</u>	Edition, 2000	_ Addeno	13.	
6. Identification of	Components							
Name of Component	Name of Manufacturer	Manufactu Serial Num		National Board No.	Other Identification	Year Built	Corrected, Removed, or installed	ASME Code Stampe (Yes / No
2B2 RCP Motor Upper Air Cooler bolting (1) (2)	Duke	Unknowi	n	None	None	2011	Installed	NO
								-
				· · · · · · · · · · · · · · · · · · ·		ļ		
						<u> </u>		<u> </u>
								<u> </u>
1				}				
7. Description of	Work	<u> </u>			· · · · · · · · · · · · · · · · · · ·	٠	<del></del>	<del></del>
involved disasser	on the 2B2 RCP Inbling the Low Potential	ressure Servi	ice (L	PSW) piping fro	om the coils. The	1/2-inch	diameter bolti	
8. Test Conduct Hydros	ed	atie Nor	minal (	Operating Pressur Test Ten	e 🖾 Exempt [	Other		

s required by the provisions of the Asian Code Section Ar		
	Work Order Number	Sheet
	01962827	2 of 2
. Remarks (Applicable Manufacturer's Data Reports to be attached)		, <u> </u>
Proproced RCP Motor Air Cooler waterbox studs and nuts Nuts, hex, head GR 2H, ANSI B18.2.2, ASME SA 194 Gr 2H, Catalog ID 313135, UTC # 000 Studs - cut from rod, threaded, 1/2", 13 UNC-2A, alloy sti, ASME SA193 GF 0001919842, 0001938183, 0001936901, 0001938187, 0001935521. See Rem	)1963140. R B7, Catalog ID # 297411, UTC	,
Threaded rod issued on 2B2 lower air cooler WO 01962828. PIP O-11-13	151 written on loss of traceabilit	y between coolers.
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•		
6		
<b>6</b>		
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0		
Φ		
CERTIFICATE OF COMPLIA	ANCE	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
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	Date	
Qwned or Owner's Designee, Title		
CERTIFICATE OF INSERVICE IN	SPECTION	
I, the undersigned, holding a valid commission issued by the Natio Inspectors and the State or Province of South Calolina, of Hartford, Connecticut	and Board of Boiler and Press and employed by have inspected the cor	HSB CT mponents described
in this Owner's Report during the period  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 heither the Inspector nor his employed.	of the ASME Code, Section 3	XI.
concerning the examinations and corrective measures described in Inspector nor his/employer shall be liable in any manner for any per kind arising floor of connected with this inspection.	this Owner's Report. Furt	hermore, neither th
Inspector's Signature Commissions	National Board, State, Province	J. T.
Date //6/12	rational board, State, Province	, ब्याच क्षावणाउद्धाद्धार

required by the prov	risions of the ASME	Code Section XI					
				Work Order Num		Sheet	
_				01962	828	1 of	2
. Owner		2. Pla	int			Unit	
Duke Ener	gy Carolinas, LL	c l	Oconee Nuclear Station		ON	S - 2	
	Church Street	1	7800 Roche	•		Date	
Charlotte,	NC 28201-1006		Seneca, SC	29672		11/4	/2011
. Work Performed	•			Type Code Symb	ool Stamp Not App	olicable	
526 South	rgy Carolinas, LL Church Street			Authorization Nu	mber Not App	olicable	
Charlotte,	NC 28201-1006			Expiration Date	Not App	olicable	
. Identification of	System, ASME Cla				Horrip	J. Todolo	
			CP Motor Air C	oolers , ASME Cla	ass 2		
j.				<del></del>	***************************************		
a) Applicable Cons	<del></del>	USAS B31.1	19 67	Edition, No	Addenda		Code Case
b) Applicable Edition (c) Applicable Section		•	19 98	Edition, 2000	_ Addenda	a.	
6. Identification of		<u>None</u>	<del></del>				
Name of	Name of	Manufacturer	National	l Other	Year	Corrected,	ASME
Component	Manufacturer	Serial Number	Board No.	Identification	Built	Removed, or Installed	Code Stampe (Yes / No
2B2 RCP Motor						<del></del>	
Lower Air Cooler bolting (1) (2)	Duke	Unknown	None	None	2011	Installed	NO
botting (1)(2)			<del></del>				
					Į į		İ
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	<u> </u>		+	<del></del>	<del> </del> -		<del> </del>
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	on the 2B2 RCP			equired removal of rom the coils. The			
				gradation and main			
8. Test Conduc	ted .						
Hydro	static 🔲 Pneum	atic Nomina	Operating Pressu	re 🛛 Exempt	Other		<u> </u>
	Pressure	PSI	Test Te	nperature	°F		

As required by the provisions of the Asiar Code Section As		T-:
	Work Order Number	Sheet
	01962828	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
• Replaced RCP Motor Air Cooler waterbox studs and nuts Nuts, hex, hea GR 2H, ANSI B18.2.2, ASME SA 194 Gr 2H, Catalog ID 313135, UTC # 000 - Studs - cut from rod, threaded, 1/2", 13 UNC-2A, alloy stl, ASME SA193 GR 0001919842, 0001938183, 0001936901, 0001938187, 0001935521. See Remark.	1963140. LB7, Catalog ID # 297411, UTC	
No threaded rod issued on 2B2 upper air cooler WO 01962827. PIP O-11-	13151 written on loss of traceab	ility between coolers.
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CERTIFICATE OF COMPLIA		
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 A	Applicable	
Certificate of Authorization Number Not Applicable	Expiration Date Not	Applicable
Signed <u>James H. Batton engineer</u> Owner or Owner's Designee, Title'	Date	
CERTIFICATE OF INSERVICE IN	SPECTION	
I, the undersigned, holding a valid commission issued by the Natio Inspectors and the State or Province of SOSTH CAROLINA of Hartford, Connecticut in this Owner's Report during the period 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 meither the inspector nor his employ	and employed by have inspected the cor to //6/12 ed examinations and taken of the ASME Code, Section 2	HSB CT mponents described, and state that corrective measures XI.
concerning the examinations and corrective measures described in Inspector nor his employer shall be liable in any manner for any per kind arising from a connected with this inspection.	this Owner's Report. Furth	hermore, neither th
Inspector's Signature Commissions	3048, 201, A.A. National Board, State, Province	/ I

required by the prov	isions of the ASME	Code Section X	_					
		•		Work Order Num	ber	Sheet		
				019628	68-14	1 of	2	
. Owner		2.	Plant			Unit		
Duke Ener	gy Carolinas, LL	C	Oconee Nuc	Oconee Nuclear Station		ON	ONS - 0	
	Church Street		7800 Roche	,				
	NC 28201-1006		Seneca, SC	29672		11/17	7/2011	
Work Performed	by rgy Carolinas, LL	C		Type Code Syml	Not Ap	plicable		
	Church Street			Authorization No		plicable		
Charlotte, NC 28201-1006				Expiration Date	Not An	plicable		
. Identification of	System, ASME Cla	ass	<del></del>			photolo	<del></del>	
			Upper Bearing Oi	l Cooler, LPSW S	ystem, AS	SME Class 2		
5.								
<ul><li>(a) Applicable Cons</li><li>(b) Applicable Edition</li></ul>		USAS B31.1		Edition, No Edition, 2000	Addend Addend		Code Case	
(c) Applicable Section			17			a.	,	
6. Identification of								
Name of Component	Name of Manufacturer	Manufacture Serial Number		Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No	
Spare RCP Motor Brg Oil Cooler end covers (1)	TEi	06887-9	UNK	UNK.	UNK	Corrected	NO	
Spare RCP Motor Brg Oil Cooler channelhead bolting (2)	Duke	UNK	None	See Remarks	2011	Installed	NO	
<del></del>							-	
<ol> <li>Description of This work includ Upper Bearing O</li> <li>Test Conduct</li> </ol>	es the disassembl	y, cleaning, ed el head end co	dy current testing a ver bolting materia	and reassembly of ls (studs,nuts) wer	a spare (for	ormerly 2A1) I due to norma	RCP Motel	
Hydros			nal Operating Pressur Test Ten	re Exempt	Other			

	Work Order Number	Sheet
	01962868-14	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)	·	
Machined the inlet/outlet and return channelhead end covers, wetted surface area. Minimum thickness of the covers was maintained.	side, to improve surface conditi	on of gasket sealing
Replaced channelhead end cover bolting: - Rod, threaded, 5/8", 11 UNC-2A, alloy stl, ASME SA 193 Gr B7, CID 2974 - Nut, Hex, Heavy Hex, 5/8", 11 UNC-2B, Carbon Steel., ASME SA 194 Gr 2 0001977583.		68890 &
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CERTIFICATE OF COMPLIA	INCE	
I certify that the statements made in the report are correct and that ASME Code, Section XI.		ents of the
Type Code Symbol Stamp Not A	Applicable	
Certificate of Authorization Number Not Applicable	Expiration Date Not	Applicable
Signed James H Satton, engineer Owner of Owner's Designee, Title	Date 11/17/20	11
CERTIFICATE OF INSERVICE IN	SPECTION	
I, the undersigned, holding a valid commission issued by the Natio Inspectors and the State or Province of	and employed by have inspected the conto to /4/20/2 ed examinations and taken of the ASME Code, Section of the ASME any warranty, examples this Owner's Report. Furth	HSB CT  nponents described

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 01962868 1 of 2 1. Owner 2. Plant Unit Duke Energy Carolinas, LLC Oconee Nuclear Station ONS - 2 526 South Church Street 7800 Rochester Hwy Date Charlotte, NC 28201-1006 Seneca, SC 29672 11/4/2011 3. Work Performed by Type Code Symbol Stamp Not Applicable Duke Energy Carolinas, LLC **Authorization Number** 526 South Church Street Not Applicable Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class Unit 2A1 Reactor Coolant Pump Motor Upper Bearing Oil Cooler, LPSW System, ASME Class 2 5. Addenda, (a) Applicable Construction Code: USAS B31.1 19 67 Edition, No No Code Case (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda. (c) Applicable Section XI Code Case(s) \_ None 6. Identification of Components Name of Name of Manufacturer National Corrected, ASME Other Year Component Manufacturer Serial Number Board No. Identification Built Removed, Code Stamped or installed (Yes / No) 2A1 RCP Motor TEi 06887-9 UNK UNK UNK Removed МО Brg Oil Cooler 2A1 RCP Motor UTC# TEi 09G-077-1 UNK 2011 Installed NO 0001977126 Brg Oil Cooler 2A1 RCP Motor Brg Oil Cooler to Duke Unknown None See Remarks 2011 Installed МО LPSW piping flange bolting (1) 7. Description of Work This work includes preventative replacement of 2A1 RCP Motor Upper Bearing Oil Cooler and associated piping bolting (nuts) due to normal wear and tear and Maintenance convenience. 8. Test Conducted Hydrostatic Pneumatic Nominal Operating Pressure Exempt PSI Test Temperature

s required by the provisions of the ASME Code Section XI		<u></u>
•	Work Order Number	Sheet
	01962868	2 of 2
. Remarks (Applicable Manufacturer's Data Reports to be attached)		
Dr. 1 150 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	t DOWN : : O TO O	15.00
Replaced 5/8-inch diameter nuts on the 2A1 RCP Motor Oil Cooler to 193556 and the UTC #'s is 0001968890. The existing studs were reuse		
ssued to the Work Order were not utilized.		
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Φ		
I certify that the statements made in the report are correct ar ASME Code, Section XI.		irements of the
Type Code Symbol Stamp	Not Applicable	
Certificate of Authorization Number Not Applicable	Expiration Date	Not Applicable
Signed Aames + Pattons, enginee	Pr Date 11/4/201	11
Owner or Owner's Designee, Title		
CERTIFICATE OF INSERV	/ICE INSPECTION	
I, the undersigned, holding a valid commission issued by the		ressure Vessel
Inspectors and the State or Province of  Hartford, Connecticut	and employed by	HSB CT
of Hartford, Connecticut in this Owner's Report during the period	to ////	components described , and state the
to the best of my knowledge and belief, the Owner has pe		·
described in this Owner's Report to accordance with the require		
By signing this certificate neither the Inspector nor his		
concerning the/examinations/and corrective measures descri- inspector nor his <u>employer/s</u> hall be liable in any manner for a		
kind arising from or enhected with this inspection.	my personal injury or property (	Jamaye or a loss or al
MIKK M	1_	, ,
Commission	s 13048,201.	ANT
Inspector's Signature	National Board, State, Prov	ince, and Endorsements
Date 1/6/12	•	

is required by the prov	isions of the ASME	Code Section	on Xi		Work Order Num	ber	Sheet		
					01962	2987	1 of	2	
. Owner	<del>,</del>		2. Pla	nt			Unit		
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006			Oconee Nucle 7800 Rocheste Seneca, SC 29		ester Hwy	er Hwy		ONS - 2  Date 11/1/2011	
3. Work Performed	by			<u> </u>	Type Code Symb				
	rgy Carolinas, LL Church Street	C ·		•	Authorization No	ımber	plicable plicable	<del></del> .	
	NC 28201-1006	·			Expiration Date		plicable		
			r Build	ling Cooling Un	it (RBCU) Coils,				
<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 on XI Code Case(s)		ctivity		Edition, No 2000	_ Addend _ Addend	· ——	Code Case	
Name of Component	Name of Manufacturer	Manufac Serial Nu		National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stampe (Yes / No	
2B RBCU Coil bolting - for coils 1,2, 3 & 4 (1)	Duke	Unkno	wn	None	See Remarks	2011	Installed	NO	
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the cooler waterb inch diameter LP	on the 2B RBCU box. This involve SW piping boltin	d disassem	bling tl	he Low Pressure	ing and eddy curr Servcie (LPSW) es required replace	piping fro	m the coils.	The 5/8-	
8. Test Conduct			lominal SI	Operating Pressur Test Ten	e 🔀 Exempt [	Other °F			

	Work Order Number	Sheet
	01962987	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-#1, #2, #3 and #4 Coils' flanges. The Catalog ID # for the nuts is 293556 and the stud material (threaded rod) is 297412 and the UTC #s are 0001974660 and	the UTC #'s is 0001977583.	
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CERTIFICATE OF COMPLIA	ANCE	
I certify that the statements made in the report are correct and that ASME Code, Section XI.	t this conforms to the requir	rements of the
Type Code Symbol Stamp Not	Applicable	
Certificate of Authorization Number Not Applicable		Not Applicable
Signed Ames H Sutton engineer Owner or Owner's Designee, Title	Date 11/1/2011	
Opinion of Opinion 3 Designers, Filip		,
CERTIFICATE OF INSERVICE IN	ISPECTION	
I, the undersigned, holding a valid commission issued by the National Inspectors and the State or Province of Source Carolina of Hartford, Connecticut in this Owner's Report during the period rolling 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 employencements are concerning the examinations and corrective measures described in	and employed by have inspected the to //d/zorz ed examinations and takes of the ASME Code, Section byer makes any warranty, this Owner's Report. F	HSB CT components described , and state that en corrective measures on XI. , expressed or implied, furthermore, neither the
Inspector nor his employer shall be liable in any manner for any pe kind arising from or connected with this inspection.  Commissions	ersonal injury or property d	lamage or a loss of an
Date //4/2012	National Board, Glato, 11071	nee, and Endorsements

			٠ .	Work Order Num	ber	Sheet	
				019632	17-01	1 of	2
. Owner		2. Pla	nt		·	Unit	
526 South	rgy Carolinas, LLO Church Street NC 28201-1006	C	Oconee Nuc 7800 Roches Seneca, SC	ster Hwy		Date	S - 2
						11/12	/2011
. Work Performed	d by		,	Type Code Symt	ool Stamp Not Ap	plicable	
	ergy Carolinas, LL a Church Street	C		Authorization Nu	ımber		
	, NC 28201-1006		•	Expiration Date	Not Ap	plicable	
	,			Expiration paro	Not Ap	plicable	
j.	System, ASME Cl	Instrume	ent Air, ASME C	lass 2			
c) Applicable Sect	on Section XI Utilize			Edition, No 2000	Addend		Code Case
6. Identification o	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
2IA-91	ITT Grinnel	86-56573-1-2	WR-7570	N/A	1987	Corrected	YES
·						, .	
· · · · · · · · · · · · · · · · · · ·							
	f Work as found with sligh all was replaced w			e seating area whi	le perforn	ning preventiv	e
8. Test Conduc			Operating Pressure		Other		

s required by the provisions of the ASME Code Sec	mon XI	W 10 1 N 1	
		Work Order Number 01963217-0	Sheet 2 of 2
		01903217-0	1 2012
. Remarks (Applicable Manufacturer's Data Re	ports to be attached)		
D Dall Duke Catalog ID: 21227 carial number	700036 1 1 Poll material: 9	4420 TD 216 LITC #- 1	057006
Ball, Duke Catalog ID: 21227, serial number	708830-1-1, Ball material. 37	34/9, 12 310, U1C #. 10	J33860.
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I certify that the statements made in the ASME Code, Section XI.  Type Code Symbol Stamp		Applicable	equirements of the
Certificate of Authorization Number	Not Applicable	Expiration Date	Not Applicable
Signed San Silving	, Sr. Engineer		11-12-11
Owner or Owner's Designee,			11-12-11
			•
CEF	RTIFICATE OF INSERVICE II	NSPECTION	·
I, the undersigned, holding a valid com-			
Inspectors and the State or Province of		and employed by	HSB CT
of Hartford, Con. in this Owner's Report during the period	<del></del>		I the components describe
to the best of my knowledge and belief	10/27/20//	to 1/4/2012	, and state the
described in this Owner's Report in accord			
By signing this certificate deither the			
concerning the examinations and correct	tive measures described i	n this Owner's Repor	t. Furthermore, neither t
Inspector nor his employer shall be liable	in any manner for any pe		
kind arising from or connected with this ins	spection.		
		- 10	<b>4</b>
Inspector's Signature	Commissions /		Province, and Endorsements
inspector's Signature		ivalidirai duatu, state,	Province, and Endorsements
Date //4/20/2			-

As required by the pro	visions of the ASMI	E Code Section XI		Work Order Nu	mber	Sheet	
				1.	63445		f 2
				019	03443		1 2
1. Owner		2. Pla		•		Unit	
	rgy Carolinas, LL	.C		clear Station		Of	NS - 2
	Church Street NC 28201-1006		7800 Roch	•		Date	
			Seneca, SC			10/3	1/2011
3. Work Performed	d by			Type Code Syr		plicable	
	ergy Carolinas, LI	.C		Authorization			
	h Church Street					plicable	
Charlotte	, NC 28201-1006	•		Expiration Dat		plicable	
4. Identification of U	System, ASME CI nit 2 SSF Reactor		Pump 2.5 gallo	n pulsation dapen	er, ASME	Class 2	
5. (a) Applicable Cons		ASME Section III		Edition, 1975		la, <u>No</u> (	Code Case
(b) Applicable Editi		•	19 _ 98	Edition, 2000	Addend	ia.	
(c) Applicable Sect		) None				•	
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)
ON2 HPI PD 001	Greer Hydraulics	UNK	UNK	UNK	UNK	Corrected	NO
		·					
			·				
				·			
							ľ
7. Description of	Work		L.,			<u> </u>	<u> </u>
-	ne 2.5 pulsation da	pener was replace	ed with a new bl	adder due to norr	nal PM wo	ork scheduled f	for this
8. Test Conduct	ed	/*-					
Hydros		tic Nominal (	Operating Pressure Test Tem		Other of	······································	

s required by the provisions of the ASME Code Section XI		
, , ,	Work Order Number	Sheet
	01963445	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
Assembly, Bag & Gas Valve, 2.5gal, N Cat 1D#279674, UTC#196476	7	
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I certify that the statements made in the report are correct and ASME Code, Section XI.  Type Code Symbol Stamp	that this conforms to the r	equirements of the
		Nica A P I.f.
/////	Expiration Date	
Signed Owner's Designee, The	eer Date	10/31/2011
		·
CERTIFICATE OF INSERVICE	CE INSPECTION	
I, the undersigned, holding a valid commission issued by the I		d Progrupa Vaccal
Inspectors and the State or Province of		HSB CT
of Hartford, Connecticut		the components described
in this Owner's Report during the period 9/21/2011	to 1/4/1012	, and state that
to the best of my knowledge and belief, the Owner has perf		
described in this Owner's Report in accordance with the requirem		
By signing this certificate theither the Inspector nor his er		
concerning the examinations and corrective measures describe	ed in this Owner's Repor	t Furthermore neither the
Inspector for his emptoyer shall be liable in any manner for any	v nersonal injury or prope	tv damage or a loss of an
kind arising from or conflected with this inspection.	y personal injury or prope	ity damage of a loss of all
1/1/1/////		
Commissions	13042, 201	A.W.T=
Inspector's Signature	National Board, State,	Province, and Endorsements
Date //4/2019		

Form NIS-2 Owner's Report for Repair/Replacement Activity As required by the provisions of the ASME Code Section XI Work Order Number Sheet 01967328 1 of 2 1. Owner 2. Plant Unit ONS - 2 Duke Energy Carolinas, LLC Oconee Nuclear Station 526 South Church Street 7800 Rochester Hwy Date Charlotte, NC 28201-1006 Seneca, SC 29672 11/6/2011 3. Work Performed by Type Code Symbol Stamp Not Applicable Duke Energy Carolinas, LLC **Authorization Number** 526 South Church Street Not Applicable Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class LPSW - 4" dia piping to 2A Reactor Building Cooling Unit (RBCU) Coils, ASME Class 2 5. 67 (a) Applicable Construction Code: **USAS B31.1** 19 Edition, No Addenda, Code Case No (b) Applicable Edition Section XI Utilized For R/R Activity 2000 98 Edition, 19 Addenda. (c) Applicable Section XI Code Case(s) 6. Identification of Components 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) 2A RBCU Coil bolting - for coils Duke Unknown None See Remarks 2011 Installed NO 1,2,3 & 4 (1)

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7. Description	of Work					1	
involved disass	k on the 2A RBCU ( sembling the Low Pr al for piping-to-coil f	essure Servcie (LP	SW) piping from	n the coils. Th	e 5/8-inch		
8. Test Condu	icted						<u></u>
Hydi	rostatic 🔲 Pneuma	tic Nominal O	perating Pressure	Exempt	Other	_	
	Pressure	PSI	Test Temp	erature	°F		
	- ·· · · · · · · · · · · · · · · · ·			·····	<del></del>	<del> </del>	

is required by the provisions of the Asiath Code Section Ar		
	Work Order Number	Sheet
	01967328	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
• Replaced one hundred twenty-eight (128) 5/8-inch diameter nuts an #1, #2, #3 and #4 Coils' flanges. The Catalog ID # for the nuts is 2935 the stud material (threaded rod) is 297412 and the UTC # is 00019775	56 and the UTC #'s is 0001972899	
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CERTIFICATE OF C  I certify that the statements made in the report are correct a  ASME Code, Section XI.  Type Code Symbol Stamp		uirements of the
Certificate of Authorization Number Not Applicable	Expiration Date	Not Applicable
Signed Lames H Batton enginee		2011
Owder or Owner's Designee, Title		
CERTIFICATE OF INSER	VICE INSPECTION	
I, the undersigned, holding a valid commission issued by the Inspectors and the State or Province ofSouth Call ofHartford, Connecticut	and employed by have inspected th	HSB CT e components described
in this Owner's Report during the period 10/24/2011 to the best of my knowledge and belief, the Owner has p described in this Owner's Report in accordance with the requir By signing this certificate neither the Inspector nor his concerning the examinations and corrective measures desc	ements of the ASME Code, Sec employer makes any warrant ribed in this Owner's Report.	tion XI. y, expressed or implied Furthermore, neither th
Inspector nor his employer shall be liable in any manner for kind arising from of comected with this inspection.  Commission	. <b></b>	damage or a loss of an
Inspector's Signature		vince, and Endorsements
Date 1/4/2012		

		•		Work Order Num	ber	Sheet	
				01967	329	1 of	2
1. Owner		2. Pla	int .			Unit	·
Duke Ener	gy Carolinas, LL	С	Oconee Nuc	lear Station	•	ON	S - 2
526 South	ster Hwy		Date				
Charlotte,	NC 28201-1006		Seneca, SC	29672			2011
3. Work Performed	bv			Type Code Symb	ool Stamp		
	-	_			Not Ap	plicable	
	rgy Carolinas, LL	.c		Authorization Nu		P	
	Church Street NC 28201-1006				Not Ap	plicable	
Charlotte,	140 20201-1000			Expiration Date	Not Ap	plicable	
4. Identification of	System, ASME CI	ass			<u> </u>	•	
			ding Cooling Unit	t (RBCU) Coils,	ASME C	lass 2	]
5.					·· <u>·</u>		
(a) Applicable Cons (b) Applicable Edition		USAS B31.1		Edition, No Edition, 2000	_ Addend		ode Case
(c) Applicable Secti		•	19 _96 [	2000 Zulion,	_ Addend	a.	
6. Identification of							
Name of	Name of	Manufacturer	National	Other	Year	Corrected,	ASME
Component	Manufacturer	Serial Number	Board No.	Identification	Built	Removed, or Installed	Code
						ormstaneu	Stamped (Yes / No)
2C RBCU Coil							
bolting - for coils	Duke	Unknown	None	See Remarks	2011	Installed'	NO
1,2, 3 & 4 .(1)					<del> </del>		
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					<del>                                     </del>		<del> </del>
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		<u> </u>					
							1
7. Description of	Work		<u> </u>	1	<u>l</u>	<u> </u>	
Corrective work		Coile#1 #2 #2	& #A (tube alas-	ing) required some	oual of th	a cooler water	hav This
involved disasser	nbling the Low P	ressure Servoie (	LPSW) piping fro	om the coils. The	5/8-inch	diameter LPS	W piping
bolting material	for piping-to-coil						1.50
8. Test Conduct		L					
Hydros	<del></del>		Operating Pressure		Other	<del></del>	
	Pressure	PSI	Test Tem	perature	•F		

s required by the provisions of the ASME Code Section Ar	Work Order Number	Sheet
·	01967329	2 of 2
O. Remarks (Applicable Manufacturer's Data Reports to be atta	ched)	
• Replaced one hundred twenty-eight (128) 5/8-inch diameter #1, #2, #3 and #4 Coils' flanges. The Catalog ID # for the nuts the stud material (threaded rod) is 297412 and the UTC # is 00	is 293556 and the UTC #'s is 0001977	
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<b>9</b> .		
0		***************************************
:		
CERTIFICAT I certify that the statements made in the report are co ASME Code, Section XI.	E OF COMPLIANCE  orrect and that this conforms to the r	equirements of the
Type Code Symbol Stamp	Not Applicable	
Certificate of Authorization Number Not Applic		Not Applicable
Signed James H Batton, engi	neer Date 11/1/20	11
Owner or Owner's Designee, Title		· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF	INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issue Inspectors and the State or Province of South Conference of Hartford, Connecticut	and employed by	nd Pressure Vessel HSB CT I the components described
in this Owner's Report during the period 10/24/20 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 reconcerning the examinations and corrective measure Inspector nor his employer shall be liable in any mann kind arising from a some sted with this inspection.	has performed examinations and erequirements of the ASME Code, so nor his employer makes any warrs described in this Owner's Report	, and state tha taken corrective measure Section XI. anty, expressed or implied t. Furthermore, neither the
Inspector's Signature	nmissions 13048, 201 National Board, State,	Province, and Endorsements
Date 1/4/2012		

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 01983053 1 of 2 1. Owner 2. Plant Unit Duke Energy Carolinas, LLC Oconee Nuclear Station ONS - 2 526 South Church Street 7800 Rochester Hwy Date Seneca, SC 29672 Charlotte, NC 28201-1006 7/11/2011 3. Work Performed by Type Code Symbol Stamp Not Applicable Duke Energy Carolinas, LLC **Authorization Number** 526 South Church Street Not Applicable Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class Reactor Building Hydrogen Purge System, ASME Class 2 5. 19 69 (a) Applicable Construction Code: **USAS B31.7** Edition. No Addenda. No Code Case (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, 2000 Addenda. (c) Applicable Section XI Code Case(s) None 6. Identification of Components Manufacturer Year Corrected, ASME Name of Name of National Other Manufacturer **Serial Number** Board No. Identification Removed, Component Built Code or Installed Stamped (Yes / No) EZ797-4-1 2PR-139 **Anchor Darling** 1990 UTC-967323 1997 Installed YES YES Piping DEC None None None 2011 Installed 2-67-440A-H5655 DEC None None None 2011 Installed NO 2-67-440A-H5656 DEC 2011 Installed NO None None None 7. Description of Work EC106147, Provide vent path from containment to atmosphere 8. Test Conducted Pneumatic Hydrostatic Nominal Operating Pressure Exempt Other Test Temperature Ambient °F Pressure

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 01983053 2 of 2 9. Remarks (Applicable Manufacturer's Data Reports to be attached) 0 0 0 0 CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Not Applicable Type Code Symbol Stamp Certificate of Authorization Number Not Applicable Expiration Date Not Applicable Signed Rick Burgers, Sr.
Owner or Owner's Designee, Title Rick Burgess, Sr. Technical Specialist Date 7/11/2011 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesset Inspectors and the State or Province of Sound CAROLINA and employed by HSB CT have inspected the components described Hartford, Connecticut in this Owner's Report during the period  $\frac{5/26/11}{100}$  to  $\frac{7/21/11}{100}$ , 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 not his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from precised with this inspection. \_\_\_\_\_ Commissions \_\_/\_3

ts required by the pro-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0021 000			Work (	Order Num	iber	Sheet	
						1776	351	1 0	of 3
1. Owner			2. Pla	ant				Unit	
526 South	ver Company n Church Street , NC 28201-1006			Oconee Nu 7800 Roche Seneca, SC	ester Hwy	••••		Date	IS - 2 /2010
3. Work Performed	i by	L			Туре С	ode Symi	bol Stamp		72010
Duke Pov	ver Company				Autho	rization Nu		plicable	
526 South	h Church Street				Aution			plicable	
Charlotte,	, NC 28201-1006				Expira	tion Date	Not Ap	plicable	
4. Identification of	System, ASME Cla		esure (	Service Water, A	SME Cla	ee 7	•		
5.		LOW 1103	Suic	octvice water, a	ISMIL Cia.	55 Z		<u> </u>	
<ul><li>(a) Applicable Cons</li><li>(b) Applicable Edition</li><li>(c) Applicable Section</li></ul>	on Section XI Utilize			19 69	Edition, Edition,	No 2000	Addend Addend		Code Case
6. Identification of									
Name of Component	Name of Manufacturer	Manufactu Serial Num		National Board No.	Oth Identific		Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2LPSW-96	CRANE	UNK		UNK	NOI	NE	UNK	Removed	NO
2LPSW-96	BNL INDUSTRIES	A080121-2	26-8	UNK	UTC19	13058	2008	Installed	YES
2LPSW-98	CRANE	UNK		ŲNK	NO	NE	UNK	Removed	NO
2LPSW-98	BNL INDUSTRIES	A080121-2	26-10	UNK	UTC19	13060	2008	Installed	YES
2LPSW-231	CRANE	UNK		UNK	NO	NE	UNK	Removed	NO
2LPSW-231	BNL INDUSTRIES	A080121-2	26-4	UNK	UTC19	13054	2008	Installed	YES
2LPSW-232	CRANE	UNK		UNK	ИО	NE	UNK	Removed	NO
2LPSW-232	BNL INDUSTRIES	A080121-2	26-9	UNK	UTC19	)13059	2008	Installed	YES
PIPE	DPCo.	NONE	3	NONE	МО	NE	2008	Installed	NO
Pump Motor Air	s 5" and 3" or sma Cooler and Upper								lant
8. Test Conducte	tatic Pneumat	itic Nor		Operating Pressure Test Tem		empt [	Other _		<del></del>

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 1776351 2 of 3 Unit 1. Owner 2. Plant ONS - 2 Oconee Nuclear Station **Duke Power Company** 526 South Church Street 7800 Rochester Hwy Seneca, SC 29672 Charlotte, NC 28201-1006 5/13/2010 3. Work Performed by Type Code Symbol Stamp Not Applicable **Duke Power Company** Authorization Number Not Applicable 526 South Church Street Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class Low Pressure Service Water, ASME Class 2 5. (a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, Code Case 2000 (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, Addenda. (c) Applicable Section XI Code Case(s) None 6. Identification of Components ASME Name of Name of Manufacturer National Other Year Corrected, Code Component Manufacturer Serial Number Board No. Identification Built Removed. Stamped or Installed (Yes / No) S/R 2-14B-DPCo. None None None UNK Corrected NO 1480C-H6541-Bolting at 3" UNK UNK Installed NO None None None flanges Bolting at 5" UNK UNK None Installed NO None None flanges

As required by the provisions of the ASME Code Section Ar		
	Work Order Number	Sheet
	1776351	3 of 3
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
● S/R 2-14B-1480C-6541, replaced 1/2"x3" U-bolts, 1/4"x1" U-bolts and	3'3" of 3"x3"x3/8" angle	
PReplaced 5/8" studs and 5/8" nuts on 3" flanges		
Replaced 3/4" studs and 3/4" nuts on 5" flanges		
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Φ		
CERTIFICATE OF COMP	LIANCE	
I certify that the statements made in the report are correct and the ASME Code, Section XI.	nat this conforms to the re	equirements of the
	ot Applicable	
Certificate of Authorization Number Not Applicable	Expiration Date	Not Applicable
Signed Alana Holland Mach Engineer	Date 4/7/10	
Owner or Owner's Designee, Title		
CERTIFICATE OF INSERVICE		
I, the undersigned, holding a valid commission issued by the Na Inspectors and the State or Province of معرفينيك كمعرفينيك	and employed by	HSB CT
of Hartford, Connecticut		the components described
in this Owner's Report during the period 7-21-08	to 8-3.10	, and state that
to the best of my knowledge and belief, the Owner has perfor	med examinations and t	taken corrective measure
described in this Owner's Report in accordance with the requiremer	its of the ASME Code, Se	ection XI.
By signing this certificate neither the Inspector nor his emp	oloyer makes any warra	nty, expressed or implied
concerning the examinations and corrective measures described Inspector nor his employer shall be liable in any manner for any p		
kind arising from or connected with this inspection.	osisonal injury or propert	y damage of a loss of all
Commissions	SC232 NIABC IS	
Inspector's Signature	National Board, State, P	rovince, and Endorsements
Date AND Date		

As required by the pro	visions of the ASME	Code Section	on XI		Work Order Num		Sheet	NB
					01828441	1-01, -06	1 of	2
1. Owner		-	2. Pla	nt			Unit	
Duke Energy Carolinas, LLC Oconee Nucleon Street 7800 Rochest Charlotte, NC 28201-1006 Seneca, SC 2					ester Hwy		Date	/2010
3. Work Performed	by	,			Type Code Sym		plicable	
526 South	rgy Carolinas, LL n Church Street				Authorization N		plicable	
	, NC 28201-1006				Expiration Date	Not Ap	plicable	
4. Identification of			P Mote	or Lower Air Co	ooler, ASME Clas	ss 2		
5. (a) Applicable Cons (b) Applicable Edition (c) Applicable Section	on Section XI Utilize ion XI Code Case(s)		ctivity	19 <u>67</u> 19 <u>98</u>	Edition, No 2000	_ Addeno	·	Code Case
6. Identification of Name of Component	Name of Manufacturer	Manufac Serial Nu		National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2A2 RCP Motor Lower Air Cooler	UNK	15609-0	1-2	None	None	UNK	Removed	NO
2A2 RCP     Motor Lower Air     Cooler	Thermal Engineering (TEi)	08L-05	3-7	None	Cat ID 863388 UTC# 0001934225	2009	Installed	NO
					,			
	otor Lower Air Co				with a new Air Co ary bolting was rep		art of equipme	nt
8. Test Conduct Hydros	_		ominal ( SI	Operating Pressur Test Ten	e Exempt [	Other °F		

to required by the provisions of the ribband code society.	Work Order Number	Sheet
	01828441-01, -06	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
• The existing 2A2 RCP Motor Lower Air Cooler was removed and replaced Energy Catalog ID # 863388, UTC # 0001934225.	with a new Air Cooler. The ne	w Air Cooler is Duke
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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 requiren	nents of the
Type Code Symbol Stamp Not A	Applicable	
Certificate of Authorization Number Not Applicable	Expiration Date Not	Applicable
Signed Owner's Designee, Title Engineer	Date 5/17/2010	
CERTIFICATE OF INSERVICE IN:	SPECTION	
I, the undersigned, holding a valid commission issued by the Nation		sure Vessel
of Hartford, Connecticut	and employed by have inspected the cor	HSB CT
in this Owner's Report during the period 9-26-/0	to 8-30-10	and state that
to the best of my knowledge and belief, the Owner has performe		
described in this Owner's Report in accordance with the requirements		
By signing this certificate neither the Inspector nor his employ 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.		
Commissions So	232 NABC 13	
Inspector's Signature	National Board, State, Province,	and Endorsements
Date _8/30//2		

s required by the pro				Work Order Num	ber	Sheet	,,,\empty
	•			01828443	01828443-01, -06		
. Owner		2. Pla	ant			Unit	
	rgy Carolinas, LL	С		clear Station		OV	IS - 2
	Church Street NC 28201-1006		7800 Roche Seneca, SC	•		Date	
				Type Code Symt	al Stama	5/17	/2010
. Work Performed	•			Type Code Sym		plicable	
	ergy Carolinas, LI n Church Street	,C .		Authorization Nu		plicable	
	, NC 28201-1006			Expiration Date	Not Ap	pheadic	
			***		Not Ap	plicable	
. Identification of	System, ASME CI LPS\		tor Upper Air Co	ooler , ASME Clas	s 2		
						·	
a) Applicable Cons	struction Code: on Section XI Utilize	USAS B31.7	19 <u>67</u> 19 <u>98</u>	Edition, No Edition, 2000	_ Addend Addend		Code Case
	ion XI Code Case(s	<u>-</u>		Edition, 2000	_ Addend	a.	
. Identification of						···	
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stampe (Yes / No
2A2 RCP Motor	UNK	15609-01-1	None	None	UNK	Removed	NO
Jpper Air Cooler  2A2 RCP	Thermal			Cat ID 863388			<u> </u>
Motor Upper Air Cooler	Engineering (TEi)	08L-053-8	None	UTC# 0001934399	2009	Installed	NO
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		1					
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<del></del>			-	· ·			
7. Description of	l	<u> </u>	<u>. L </u>	.1	1		<u> </u>
The 2A2 RCP M	otor Upper Air C			with a new Air Co ary bolting was rep		art of equipme	nt
8. Test Conduct	<u> </u>				······································	<del></del> -	
Hydro	<del></del>		Operating Pressur		Other		
	Pressure	PSI	lest len	nperature	<b>~F</b>		

	Work Order Number	Sheet
	01828441-01, -06	2 of 2
9. Remarks (Applicable Manufacturer's Data Reports to be attached)		
• The existing 2A2 RCP Motor Upper Air Cooler was removed and rep Energy Catalog ID # 863388, UTC # 0001934399.	placed with a new Air Cooler. The I	new Air Cooler is Duke
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<b>o</b>		,
Φ		
I certify that the statements made in the report are correct an ASME Code, Section XI.  Type Code Symbol Stamp  Certificate of Authorization Number Not Applicable  Signed Ames H Sattor Engin	Not Applicable	ot Applicable
I, the undersigned, holding a valid commission issued by the Inspectors and the State or Province of Hartford, Connecticut in this Owner's Report during the period to the best of my knowledge and belief, the Owner has periodescribed in this Owner's Report in accordance with the requirer By signing this certificate neither the Inspector nor his concerning the examinations and corrective measures describled in this owner's Report in accordance with the requirer By signing this certificate neither the Inspector nor his concerning the examinations and corrective measures describled in any manner for an kind arising from or connected with this inspection.	have inspected the control of the ASME Code, Section employer makes any warranty, bed in this Owner's Report.	HSB CT components described , and state that n corrective measures in XI. expressed or implied, urthermore, neither the amage or a loss of any
Inspector's Signature  Date 8/50/10		

Form NIS-2 Owner's Report for Repair/Replacement Activity As required by the provisions of the ASME Code Section XI Work Order Number Sheet 01866950 1 of 2 2. Plant Unit 1. Owner ONS - 2 Oconee Nuclear Station Duke Energy Carolinas, LLC 526 South Church Street 7800 Rochester Hwy Date Charlotte, NC 28201-1006 Seneca, SC 29672 5/23/2010 Type Code Symbol Stamp 3. Work Performed by Not Applicable Duke Energy Carolinas, LLC **Authorization Number** 526 South Church Street Not Applicable Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class High Pressure Injection, ASME Class 1 (a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, Code Case 2000 (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition, Addenda. (c) Applicable Section XI Code Case(s) None 6. Identification of Components National Other Corrected, Name of Name of Manufacturer Year ASME Identification Board No. Component . Manufacturer Serial Number Built Removed, Code or Installed Stamped (Yes / No) UTC 1901035, Valve 2HP-990 76BKE 1983 2007 Installed YES Flowserve Serial #: 76BKE 7. Description of Work EC100145 installed new valves 2HP-983, -984, -985, -986, -987, -988, -989, and -990. Valve 2HP-990 is ISI A. All other valves are ISI B. 8. Test Conducted Pneumatic Hydrostatic Nominal Operating Pressure Exempt

Test Temperature

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 2 of 2 01866950 9. Remarks (Applicable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Not Applicable Type Code Symbol Stamp Certificate of Authorization Number Not Applicable Expiration Date Not Applicable Engineer TIT Date Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Source Caedwa and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8/2e/07 to 8/3/10 , and state that of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8/24/07 to 8/3/10 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Inspector's Signature Commissions SC 232NIABC IS ant National Board, State, Province, and Endorsements Date 8/3/10



Flow Control Division - Raieigh Operations 1908 6. Saunders St. Raieigh, NC 27603 Phone: (919) 832-0525 Fax: (919) 831-J369 DUKE POWER COMPANY
OA RECORDS APPROVED
OA REPRESENTATIVE

DATE 01-24-08

#### CERTIFICATE OF COMPLIANCE/CONFORMANCE

CUSTOME	R:	DUKE ENERGY CAROLINAS, LI	C DATE: 12/28/2007
CUSTOME	ER P.O. 1	io.: 00091221	SALES ORDER NO.: 45483
EQUPME	NT:	1"- 1878 Y-Globe Bellows Valve DWG: W9925263 Rev. A	•
о пем	YTO	DESCRIPTION Numbers in par	FLOWSERVE PART NUMBER rentheses represent internal Raleigh tracking numbers
003	11	1"- 1878 Y-Globe Bellows Valve DE ITEM NUMBER: 09J-2006 Part: 09J-2006 MODEL: 2001 CAT ID 0000458967 PO ITEM 0003	04000840(4548303)

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

VALVE S/N: 74BKE, 76BKE thru 85BKE

FLOWSERVE CORPORATION Flow Control Division

Ben Whysall

Quality Assurance Engineer Associate

(919) 831-3303

bwhysall@flowserve.com

Date: 12/24

1901034 -THRU- 1901044

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

Pg. 1 of . Manufectured and certified by Flowserve Corporation, 1900 South Saunders St. Raleigh, NC 27603
 Cosme and address of N Certificate Holder) 2. Manufactured for \_\_Duke Energy PO Box 37925 Charlotte, NC 28237 3. Location of installation \_\_Catawba Site 4800 Concord Rd. York, SC 29745 W9925263 1878 4. Model No., Series No., or Type . \_ Drawing 1986 No Addenda N/A 5. ASME Code, Section III, Division 1: **Valve** 6. Pump or valve \_ Nominal inlat size Outlet size 7. Material: Body SA351-CF8M Bonnet <u>SA479-316</u> (a) valve Disk A564-630-H1075 Bolting \_\_ (b) pump Casing. Cover Bolting . (b) Nat'i Board No. खा Holder's Serial No. Serla I Serial No. No. 74BKE 1982 N8310-1 92D4-1-1 0E63 N8310-3 92D4-1-3 76BKE 1983 0E53 N8310-4 92D4-1-4 778KE 1984 0863 78BKE 1985 N8310-5 92D4-1-5 0E63 1986 N8310-6 92D4-1-6 0E63 798KE 80BXE 1987 NB310-7 92D4-1-7 0E63 92D4-1-8 1988 N8310-8 0E63 RIBKE 82BKE 1989 NB310-9 92D4-1-9 0E63 838XE 1990 N8310-10 92D4-1-10 QE63 848KE 1991 N8310-11 92D4-1-11 0E63 **BSBKE** N8310-12 92D4-1-12 1992 **0UB5** 

<sup>\*</sup> Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in Items 1 through 4 on this Data Report is included on each wheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

	FORM NE	'V-1 (Back —	Pg. 2 of 2	eroficate Holder's Serial	748KE, 768KE thru 858KE No
8. Design conditions 2735	Dai	80 °F	or valve pressure cl	1878	
9. Cold working pressure 4507	7 psi et 10	o°F		•	,
10. Hydrostatic test6775	psi. Disk different	tial test pressure	4975		psi
11. Remarks: Sales Order 45483 It Gasket Retainer material SA56		le G11116-15 thr	u 18 & 198 1 thru 8		
Decise Consideration and San hu	F. A. Bensinger	CERTIFICATION O	F DESIGN	P.E. State PA	PE-31002-E
Design Report certified by	S. Farrell			P.E. State NC	Reg. no. <u>D28656</u>
We certify that the statements me ASME Code, Section III, Division IN Certificate of Authorization No.	ade in this report are o	2		conforms to the rules	for construction of the
Date Name	(N Cartific	cate Holder)	Signed	(authorized rep	resentativé) ,
Date Name		ERTIFICATE OF I	Signed Si	(sutherbed rep	resentativé)

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 01881020-04 1 of 2 1. Owner 2. Plant Unit Duke Energy Carolinas, LLC Oconee Nuclear Station ONS - 2 526 South Church Street 7800 Rochester Hwy Date Charlotte, NC 28201-1006 Seneca, SC 29672 5/7/2010 3. Work Performed by Type Code Symbol Stamp Not Applicable Duke Energy Carolinas, LLC Authorization Number 526 South Church Street Not Applicable Charlotte, NC 28201-1006 **Expiration Date** Not Applicable 4. Identification of System, ASME Class Unit 2 SSF Reactor Coolant Makeup Pump 10 gallon accmulator, ASME Class 2 5. (a) Applicable Construction Code: ASME Section III 19 74 Edition, 1975 Addenda, NO Code Case (b) Applicable Edition Section XI Utilized For R/R Activity 19 98 Edition. 2000 Addenda. (c) Applicable Section XI Code Case(s) NONE 6. Identification of Components Name of Manufacturer **National** Other Name of Year Corrected, ASME Component Manufacturer Serial Number Board No. Identification Built Removed, Code or Installed Stamped (Yes / No) Bag & Gas Valve **PARKER** UNK UNK UNK UNK Removed NO Assy. Bag & Gas Valve **PARKER** UNK UNK P/N#705599 UNK Installed NO Assy. 7. Description of Work The work being completed involves replacing the bag & gas valve asssembly for the SSF RCMUP 10 gallon accumulator and installing a new assembly. 8. Test Conducted Hydrostatic Nominal Operating Pressure Exempt Other SSF RCMUP TEST Pneumatic Pressure Test Temperature

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 01881020-04 2 of 2 9. Remarks (Applicable Manufacturer's Data Reports to be attached) 0 0 Ø 0 CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp Not Applicable Certificate of Authorization Number Expiration Date Not Applicable Not Applicable Signed 5-7-10 Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Sours CAROLLAR and employed by HSB CT Hartford, Connecticut have inspected the components described in this Owner's Report during the period , and state that 8-12-10 4.26.10 to to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions SC 232 NIABC 15 Koulk National Board, State, Province, and Endorsements Inspector's Signature 8-12-10 Date

is required by the pro	VISIONS OF THE ASIVIE	. Code occino	.,		ľ	ork Order Num	ber	Sheet	
						0192		l l	f 2
1. Owner		1	2. Pla	nt	<u> </u>	···		Unit	•
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006				Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672			Date	ONS - 2 Date 6/7/2010	
3. Work Performed	by				۲	ype Code Symi		plicable	
	ergy Carolinas, LL	.C			A	uthorization N	umber	pplicable	
Charlotte	, NC 28201-1006	,			E	xpiration Date	Not Ap	pplicable	
4. Identification of	System, ASME CI		ressur	e Injection, ASN	иЕ С	lass 2			
5. (a) Applicable Cons (b) Applicable Editi (c) Applicable Secti	on Section XI Utilize ion XI Code Case(s				Editio Editio		Addeno Addeno		Code Case
6. Identification of Name of Component	Components  Name of  Manufacturer	Manufacte Serial Nun		National Board No.	lde	Other entification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1). 2LP-40 Enclosure	DEC	None		None		None	2010	Installed	NO
i I									
<del></del>									
			<del></del>						
7. Description of EC103904, Remo		2LP-40 and	l insta	II an enclosure to	о сар	ture leakage.	This is a	temporary mo	dification.
8. Test Conducto		tic No		Operating Pressure Test Tem		Exempt [	Other °F		

As required by the provisions of the ASME Code Section XI Work Order Number Sheet 01927419 2 of 2 9. Remarks (Applicable Manufacturer's Data Reports to be attached) • Enclosure was made from QA-1 bar stock, pipe, and bolting. Operator for valve was removed and enclosure installed. This enclosure is considered to be a vessel. 0 Ø 0 0 0 CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Not Applicable Type Code Symbol Stamp Certificate of Authorization Number Not Applicable Expiration Date Not Applicable Signed Rick Burgess, Sr. Technical Specialist Date 6/7/10

Owner's Designee. Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Source Coscolius and employed by HSB CT Hartford, Connecticut have inspected the components described 5.24-10 in this Owner's Report during the period to 8-/2-/0 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions SC232 NIASC 13 Inspector's Signature National Board, State, Province, and Endorsements 8-12-10 Date

#### 6.0 Pressure Testing

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

The Class 1 (Category B-P) leakage test is required each refueling outage. Table 6-1 shows the completion data of the Class 1 (Category B-P) leakage test zones conducted during EOC25.

	Table 6-1 Detailed Class 1 Listing							
Zone Number	Boundary Dwg	EOC25 Completion Status	EOC25 VT-2 Examination Date	Code Case(s) Used				
OZ2L-1A	O-ISIL4-100A-2.1	Complete	11/16/11	None				
	O-ISIL4-100A-2.2		,					
	O-ISIL4-100A-2.3							
	O-ISIL4-101A-2.1							
	O-JSIL4-101A-2.4		ŀ					
	O-ISIL4-102A-2.1							
	O-ISIL4-102A-2.3							
	O-ISIL4-110A-2.1		1					
,	O-ISIL4-110A-2.4		,					
OZ2L-1AA	O-ISIL4-101A-2.4	Complete	11/16/11	None				
OZ2L-1V	O-ISIL4-100A-2.0	Complete	11/16/11	None				
OZ2L-1Z	O-ISIL4-101A-2.4	Complete	11/16/11	None				
OZ2L-16	O-ISIL4-101A-2.4	Complete	11/15/11	None				

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

	Table 6-2 Detailed Class 2 Listing						
	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used		
11	1Z2L-10	O-ISIL4-101A-2.3	Complete	10/25/08	None		
2	IZ2L-11	O-ISIL4-101A-2.3	Complete	10/25/08	None		
3	IZ2L-12	O-ISIL4-101A-2.3 O-ISIL4-101A-2.4	Complete	08/10/10	None		
4	IZ2L-13	O-ISIL4-101A-2.3	Complete	03/24/10	None		
5	IZ2L-14A	O-ISIL4-101A-2.3	Complete	12/01/08	None		
6	IZ2L-14B	O-ISIL4-101A-2.3	Complete	12/01/08	None		

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
7	IZ2L-20	O-ISIL4-101A-2.3	Complete	02/22/10	None
8	IZ2L-22	O-ISIL4-101A-2.3	Complete	08/31/11	None
·		O-ISIL4-102A-2.1			
		O-ISIL4-102A-2.2	•		
		O-ISIL4-104A-1.2			
9	1Z2L-24	O-ISIL4-102A-2.1	Complete	01/05/10	None
		O-ISIL4-103A-2.1			
10	IZ2L-25	O-ISIL4-102A-2.1	Complete	03/04/11	None
		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			
	į	O-ISIL4-122B-2.1		}	
		O-ISIL4-122A-2.4			
16	IZ2L-5	O-ISIL4-101A-2.1	Complete	08/03/10	None
		O-ISIL4-101A-2.3			
17	1Z2L-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
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	<u> </u>		

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
25	OZ2L-19B	O-ISIL4-101A-2.5	Complete	11/27/08	None
26	OZ2L-1A	O-ISIL4-101A-2.1	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			
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			
37	OZ2L-31A	O-ISIL4-102A-2.3	Complete	10/25/08	None
38	OZ2L-31B	O-ISIL4-102A-2.3	Complete	10/25/08	None
39	OZ2L-31C	O-ISIL4-102A-2.3	Complete	10/25/08	None
40	OZ2L-39	O-ISIL4-104A-1.1	Complete	05/01/10	None
41	OZ2L-42A	O-ISIL4-110A-2.1	Complete	04/22/10	None
42	OZ2L-42B	O-ISIL4-110A-2.1	Complete	04/22/10	None
43	OZ2L-44	O-ISIL4-110A-2,1	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			

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
43	OZ2L-44	O-ISIL4-122A-2.1	Complete	05/28/10	None
	(continued)	O-ISIL4-133A-2.5			
44	OZ2L-6	O-ISIL4-101A-2.1	Complete	12/10/08	None
		Ö-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			

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

Table 6-3 Detailed Class 2 Listing VT-2 Code Zone Examination Case(s) Number **Boundary Dwg Completion Status** Used **Date** 1 IZ2L-10 O-ISIL4-101A-2.3 Complete 10/21/11 N-566-2 2 IZ2L-11 O-ISIL4-101A-2.3 Complete 10/21/11 None 3 IZ2L-12 O-ISIL4-101A-2.3 Not Yet Tested N/A N/A O-ISIL4-101A-2.4 IZ2L-13 4 O-ISIL4-101A-2.3 Not Yet Tested N/A N/A 5 **IZ2L-14A** O-ISIL4-101A-2.3 Complete 10/22/11 None 6 O-ISIL4-101A-2.3 1Z2L-14B Complete 10/22/11 None 7 IZ2L-20 O-ISIL4-101A-2.3 N/A Not Yet Tested N/A

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
8	1Z2L-22	O-ISIL4-101A-2.3	Not Yet Tested	N/A	N/A
		O-ISIL4-102A-2.1			
		O-ISIL4-102A-2.2			
		O-ISIL4-104A-1.2			
9	IZ2L-24	O-ISIL4-102A-2.1	Not Yet Tested	N/A	N/A
		O-ISIL4-103A-2.1			
10	IZ2L-25	O-ISIL4-102A-2.1	Not Yet Tested	N/A	N/A
		O-ISIL4-103A-2.1			
11	IZ2L-27A	O-ISIL4-102A-2.1	Complete	11/14/11	N-566-2
		O-ISIL4-102A-2.2			
12	IZ2L-27B	O-ISIL4-102A-2.2	Complete	11/14/11	N-566-2
13	1Z2L-4	O-ISIL4-101A-2.1	Not Yet Tested	N/A	N/A
14	IZ2L-41	O-ISIL4-109A-1.1	Not Yet Tested	N/A	N/A
15	IZ2L-48	O-iSIL4-122A-2.1	Not Yet Tested	N/A	N/A
		O-ISIL4-122A-2.2		1.	
		O-ISIL4-122A-2.3			
		O-ISIL4-122B-2.1			
		O-ISIL4-122A-2.4			
16	IZ2L-5	O-ISIL4-101A-2.1	Not Yet Tested	N/A	N/A
		O-ISIL4-101A-2.3			
17	IZ2L-60	O-ISIL4-124B-2.2	Not Yet Tested	N/A	N/A
		O-ISIL4-124B-2.4			
18	OZ2L-14B	O-ISIL4-101A-2.4	Complete	10/22/11	None
19	OZ2L-15	O-ISIL4-101A-2.4	Not Yet Tested	N/A	N/A
20	OZ2L-16	O-ISIL4-101A-2.4	Complete	11/15/11	None
21	OZ2L-17	O-ISIL4-101A-2.2	Complete	11/15/11	None
22	OZ2L-17B	O-ISIL4-101A-2.2	Complete	11/11/11	None
23	OZ2L-18	O-ISIL4-101A-2.2	Complete	11/15/11	None
24	OZ2L-19A	O-ISIL4-104A-1.1	Incomplete	11/07/11	None
		O-ISIL4-101A-2.5			
25	OZ2L-19B	O-ISIL4-101A-2.5	Complete	11/07/11	None

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
26	OZ2L-1A	O-ISIL4-101A-2.1	Complete	11/16/11	None
		O-ISIL4-101A-2.5			
27	OZ2L-2	O-ISIL4-101A-2.1	Complete	11/16/11	None
<u> </u>		O-ISIL4-101A-2.4			
		O-ISIL4-101A-2.5		<u> </u>	
28	OZ2L-21	O-ISIL4-102A-2.1	Complete	11/14/11	N-566-2
		O-ISIL4-102A-2.2			
		O-ISIL4-104A-1.2			
29	OZ2L-23	O-ISIL4-101A-2.2	Complete	11/14/11	N-566-2
		O-ISIL4-102A-2.1		· I	
		O-ISIL4-102A-2.2			
30	OZ2L-26	O-ISIL4-102A-2.2	Complete	11/14/11	N-566-2
31	OZ2L-28	O-ISIL4-102A-2.2	Partial	11/14/11	N-566-2
32	OZ2L-29	O-ISIL4-102A-2.2	Complete	11/14/11	N-566-2
33	OZ2L-29A	O-ISIL4-102A-2.2	Complete	11/14/11	N-566-2
		O-ISIL4-102A-2.3			
34	OZ2L-3	O-ISIL4-101A-2.1	Complete	11/16/11	None
35	OZ2L-30	O-ISIL4-102A-2.2	Complete	11/14/11	N-566-2
36	OZ2L-30A	O-ISIL4-102A-2.2	Complete	11/14/11	N-566-2
		O-ISIL4-102A-2.3			
37	OZ2L-31A	O-ISIL4-102A-2.3	Not Yet Tested	N/A	N/A
38	OZ2L-31B	O-ISIL4-102A-2.3	Not Yet Tested	N/A	N/A
39	OZ2L-31C	O-ISIL4-102A-2.3	Complete	11/05/11	None
40	OZ2L-39	O-ISIL4-104A-1.1	Not Yet Tested	N/A	N/A
41	OZ2L-42A	O-ISIL4-110A-2.1	Not Yet Tested	N/A	N/A
42	OZ2L-42B	O-ISIL4-110A-2.1	Not Yet Tested	N/A	N/A
43	OZ2L-44	O-ISIL4-110A-2.1	Incomplete	11/13/11	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			

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

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

Section 6 Reviewed By:	Date:
Ola Jane	19/12

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