Duke Energy®

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August 28, 2007

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

Subject: Duke Power Company LLC d/b/a Duke Energy Carolinas, LLC (Duke)
Oconee Nuclear Station, Unit 2
Docket No. 50-270
Unit 2 EOC 22 Refueling Outage
Inservice Inspection Report
Fourth Ten-Year Inservice Inspection Interval

Please find attached a copy of the Inservice Inspection Report for Oconee Unit 2 End of Cycle 22 Refueling Outage. This report is submitted pursuant to Section XI of the ASME Boiler and Pressure Vessel Code, 1998 Edition, with 2000 addenda, Article IWA 6230.

If there are any questions you may contact R. P. Todd at (864) 885-3418.

Bruce Hamilton

B. H. Hamilton,
Site Vice-President
Oconee Nuclear Station

Attachment

A047
NRR

INSERVICE INSPECTION REPORT

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

Owner's Report
For
INSERVICE INSPECTIONS

OCONEE UNIT 2
2007 REFUELING OUTAGE
EOC22 (OUTAGE 2)

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

NRC Docket No. 50-270

Commercial Service Date: September 9, 1974

Document Completion Date 8-13-07

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

Revision 0

Prepared By: Larry C. Keith Date 7-19-07

Reviewed By: Larry Underwood Date 7-19-07

Approved By: [signature] Date 8-1-07

FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner: Duke Energy Carolinas, 526 S. Church St.. Charlotte, NC 28201-1006
(Name and Address of Owner)

2. Plant: Oconee Nuclear Station, 7800 Rochester Highway, Seneca, SC 29672
(Name and Address of Plant)

3. Plant Unit: 2 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date: September 9, 1974 6. National Board Number for Unit N/A

7. Components Inspected:

Component or Appurtenance	Manufacturer Installer	Manufacturer Installer Serial No.	State or Province No.	National Board No.
	See Section 1.1 in the Attached Report			

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Total number of pages contained in this report 240

FORM NIS-1 (Back)

8. Examination Dates November 30, 2005 to May 30, 2007

9. Inspection Period Identification: First Period

10. Inspection Interval Identification: Fourth Interval

11. Applicable Edition of Section XI 1998 Addenda 2000

12. Date/Revision of Inspection Plan: June 23, 2004 / Revision 0

13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. See Sections 2.0, 3.0 and 6.0

14. Abstract of Results of Examination and Tests. See Sections 4.0 and 6.0

15. Abstract of Corrective Measures. See Subsection 4.3

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

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

Date 8-1-07 Signed Duke Energy Carolinas. By

Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina employed by Hartford Steam Boiler of Connecticut (HSBCT) have inspected the components described in this Owner's Report during the period 11-30-05 to 5-30-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in the Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

Commissions NC1444 NIABC

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

Date 8-13-07

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

DISTRIBUTION LIST

1. Duke Energy Carolinas
   Nuclear Technical Services Division
   Section XI Inspection Program Section

2. NRC Document Control Desk

3. HSBCT (AIA)
   C/O ANII at Oconee

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

TABLE OF CONTENTS

1.0 General Information

This report describes the Inservice Inspection of Duke's Oconee Nuclear Station, Unit 2, during Outage 2/EOC 22. This is the last outage in the first inspection period of the Fourth Ten-Year Interval. ASME Section XI, 1998 Edition with the 2000 Addenda, was the governing Code for selection and performing of the ISI examinations.

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 Section included for completed NIS-2 documentation of repairs and replacements.

1.1 Identification Numbers

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

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

1.2 *Personnel, Equipment and Material Certifications*

All personnel who performed or evaluated the results of inservice inspections during the time frame bracketed by the examination dates shown on the NIS-1 Form were certified in accordance with the requirements of 1998 Edition of ASME Section XI with the 2000 addenda including Appendix VII for ultrasonic inspections. In addition, ultrasonic examiners were qualified in accordance with ASME Section XI, Appendix VIII, and 1998 Edition with the 2000 Addenda through the Performance Demonstration Initiative (PDI) for Supplements 2, 3, 4, 6, 8 and 10. Preservice examinations of weld overlays were conducted in accordance with Code Case N-504-2 including non-mandatory Appendix Q.

The appropriate certification records for each inspector, calibration records for inspection equipment, and records of materials used (i.e., NDE consumables) are on file at Oconee Nuclear Station or copies can be obtained by contacting Duke's Corporate Office in Charlotte, North Carolina.

The copies of the certification records for Washington Group International inspectors and Atlantic Group inspectors can be obtained by contacting Duke's Corporate Office in Charlotte, North Carolina.

1.3 *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 (Applicable to items in this report where less than 100% coverage of the required weld examination volume was achieved.) These items are identified on the Run D that is located in Section 4 of this report.

Code Case N-695 (Qualification Requirements for dissimilar metal piping welds) Items are identified by the use of UT procedure PDI-UT-10 and are listed in the Plan Report in section 3.0 of this report as dissimilar metal welds.

Code Case N-504-2 (Applicable to items that weld overlay was performed on. During 2EOC-22 outage there were welds that had weld overlay performed on them and the PSI exams were performed per Code Case N-504-2.)

Duke Power Company Problem Investigation Process Report O-07-0870, O-07-0890, O-07-0895, O-07-01151, O-07-02700, O-07-02836, O-07-02917, O-07-03154, and O-07-03172. Each PIP was written to track the Relief Request process for limited coverage on UT examinations of welds that were inspected during EOC-22 for Unit 2. The welds with limited coverage are listed in Section 4.4 of this report.

Duke Power Company Problem Investigation Process Report O-07-02608 was written to document weld problems identified during an ISI examination on the Letdown Storage Tank support.

Request for Relief 07-ON-001 (Allows Duke an alternative to perform examinations of weld overlays per Code Case N-504-2.)

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

1.4 Augmented and Elective Examinations

Augmented and elective examination information found within this Inservice Inspection Report is not required by the ASME Section XI Code; therefore, it is exempt from ANII review, verification, and/or record certification.

1.5 Responsible Inspection Agency

Hartford Steam Boiler of Connecticut (HSBCT) is responsible for the third party inspections required by ASME Section XI.

Authorized Nuclear Inservice Inspector(s)

Name:	Gary Brouette and Nancy Slaughter
Employer:	HSBCT
Business Address:	200 Ashford Center North Suite 205 Atlanta, GA 30338-4860 (800) 417-3721 www.hsbct.com

2.0 *Fourth Ten Year Interval Inspection Status*

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

Class 1 Inspections

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	* Deferral Allowed
B-A	Pressure Retaining Welds in Reactor Vessel	6 Welds	.5 Weld	8%	Yes
B-B	Pressure Retaining Welds in Vessels Other than Reactor Vessel	10 Welds	2 Welds	20%	No
B-D	Full Penetration Welds of Nozzles in Vessels Inspection Program B	54 Inspections	12 Inspections	22%	Partial
B-F	Pressure Retaining Dissimilar Metal Welds	2 Welds	0 Welds	0%	Yes
B-G-1	Pressure Retaining Bolting Greater than 2 Inches in Diameter	128 Items	41.33 Items	32%	Yes
B-G-2	Pressure Retaining Bolting 2 Inches and Less in Diameter	20 Items	9 Items	45%	No
B-J	Pressure Retaining Welds in Piping	165 Welds	37 Welds	22%	No
B-K	Welded Attachments for Vessels, Piping, Pumps and Valves	18	3	17%	No

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

Class 1 Inspections (Continued)

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	* Deferral Allowed
B-L-1	Pressure Retaining Welds in Pump Casings	1 Weld	1 Weld	100%	Yes
B-L-2	Pump Casings	1 Casing	0 Casing	0%	Yes
B-M-1	Pressure Retaining Welds in Valve Bodies	1 Valve Body Weld	0 Valve Body Weld	0%	Yes
B-M-2	Valve Bodies	3 Valves	0 Valves	0%	Yes
B-N-1	Interior of Reactor Vessel	3 Inspections	1 Inspection	33%	No
B-N-2	Welded Core Support Structures and Interior Attachments to Reactor Vessels	1 Inspection	0 Inspections	0%	Yes
B-N-3	Removable Core Support Structures	1 Inspection	0 Inspections	0%	Yes
B-0	Pressure Retaining Welds in Control Rod Housings	12 Housing Welds	4 Housing Welds	33%	Yes
B-P	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT			
B-Q	Steam Generator Tubing	N/A	N/A	N/A	N/A
F-A F1.10 & F1.040 items.	Class 1 Component Supports (Except Snubbers)	37 Supports	13 Supports	35%	No
F-A F1.050 items	Class 1 Component Supports, Snubbers				**

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

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

Class 2 Inspections

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	*Deferral Allowed
C-A	Pressure Retaining Welds in Pressure Vessels	11 Welds	5 Welds	45%	No
C-B	Pressure Retaining Nozzle Welds in Vessels	4 Welds	2 Welds	50%	No
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	38 Attachments	14 Attachments	37%	No
C-D	Pressure Retaining Bolting Greater Than 2 Inches in Diameter	2 Items	0 Items	0%	No
C-F-1	Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping	164 Welds	42.5 Welds	26%	No
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	66 Welds	16 Welds	24%	No
C-G	Pressure Retaining Welds in Pumps and Valves	N/A	N/A	N/A	N/A
C-H	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT			
F-A F1.020 & F1.040 items.	Class 2 Component Supports (Except Snubbers)	137 Supports	47 Supports	34%	No
F-A F1.050 items	Class 2 Component Supports, Snubbers				**

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

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

Augmented/Elective Inspections

Augmented and elective examination information found within this Inservice Inspection Report is not required by the ASME Section XI Code; therefore, it is exempt from ANII review, verification, and/or record certification.

Summary Number	*Description*	*Percentage Complete*
O2.G1.1.	Reactor Coolant Pump Flywheel	100% of EOC 22 Requirements
O2.G2.1.	HPI Nozzle Safe End Examinations	100% of EOC 22 Requirements
O2.G3.1.	Pressurizer Surge Line Examinations	None scheduled for EOC 22
O2.G4.1.	Thermal Stress Piping (NRC Bulletin 88-08)	100% of EOC 22 Requirements
O2.G11.1.0001	Reactor Pressure Vessel Head Penetration Nozzle by UT Examination per NRC Order EA-03-009.	None scheduled for EOC 22
O2.G11.1.0002	Bare Metal Visual Examination of the Reactor Pressure Vessel Head Surface per NRC Order EA-03-009.	None scheduled for EOC 22
O2.G12.1.	UT Examination per MRP-139	100% of EOC 22 Requirements
O2.G12.2.	UT Examination per MRP-139	None scheduled for EOC 22
O2.G12.3.	UT Examination per MRP-139	None scheduled for EOC 22
O2.G13.1.	VT-2 Examination per MRP-139	100% of EOC 22 Requirements
O2.G13.2.	VT-2 Examination per MRP-139	100% of EOC 22 Requirements
O2.G14.1.	VT-2 Examination per Oconee Response to BL-2004-01	100% of EOC 22 Requirements
O2.H1.1.	Pressurizer Sensing/ Sampling Nozzle Safe Ends	None scheduled for EOC 22
O2.H2.1.	Class 1 RTE Mounting Bosses	100% of EOC 22 Requirements
O2.H3.1.	Main Feedwater Piping in the East and West Penetration Rooms per QA-513J (ER-ONS-04-03)	None scheduled for EOC 22
O2.H4.1.	Main Feedwater and Main Steam Piping Supports and Attachment Welds per QA-513J (ER-ONS-04-05)	100% of EOC 22 Requirements

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, and Augmented examinations credited for this report period.

The information shown below is a field description for the reporting format included in this section of the report:

Summary/Item Number	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2), IWF-2500-1 (Class 1 and Class 2), Augmented Requirements
ID Number	=	Unique Identification Number
Sys	=	Component System Identification
Iso / Dwg. Numbers	=	Location and/or Detail Drawings
Proc	=	Examination Procedures
Insp Req.	=	Examination Technique - Magnetic Particle, Dye Penetrant, etc.
Mat / Sch.	=	General Description of Material
Diam. / Thick	=	Diameter/Thickness
Cal Blocks	=	Calibration Block Number
Comments	=	General and/or Detail Description

DUKE ENERGY
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Plan Report
Oconee 2, 4th Interval, Outage 2 (EOC-22)

This report includes all changes through addendum ONS2-057 The user is responsible for verifying this report against the issued plan.

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG								
O2.G1.1.0001								G01.001.001, G01.001.001A
2-RCP-2A1	50 Class 1	OM-201D-038 O-ISIN4-100A-2.1	54-ISI-117	UT	CS	9.500 / 72.000		RCP 2A1 Flywheel. Reference Section 7 of the ISI Plan, General Requirements. -- (G01.001.001A)Whenever maintenance or repair activities necessitate flywheel removal, a surface examination of exposed surfaces and a complete volumetric examination shall be performed if the interval measured from the previous such inspection is greater than 6 2/3 years.
O2.G1.1.0001								G01.001.001, G01.001.001A
2-RCP-2A1	50 Class 1	OM-201D-038 O-ISIN4-100A-2.1	54-ISI-271	MT	CS	9.500 / 72.000		RCP 2A1 Flywheel. Reference Section 7 of the ISI Plan, General Requirements. -- (G01.001.001A)Whenever maintenance or repair activities necessitate flywheel removal, a surface examination of exposed surfaces and a complete volumetric examination shall be performed if the interval measured from the previous such inspection is greater than 6 2/3 years.
O2.G1.1.0005								G01.001.002, G01.001.002A
2-RCP-2A2	50 Class 1	OM-201D-038 O-ISIN4-100A-2.1	NDE-900	UT	CS	9.500 / 72.000	Component	RCP 2A2 Flywheel. Reference Section 7 of the ISI Plan, General Requirements. -- (G01.001.002A) Whenever maintenance or repair activities necessitate flywheel removal, a surface examination of exposed surfaces and a complete volumetric examination shall be performed if the interval measured from the previous such inspection is greater than 6 2/3 years.
O2.G1.1.0006								G01.001.003, G01.001.003A
2-RCP-2B1	50 Class 1	OM-201D-038 O-ISIN4-100A-2.1	NDE-900	UT	CS	9.500 / 72.000	Component	RCP 2B1 Flywheel. Reference Section 7 of the ISI Plan, General Requirements. -- (G01.001.003A) Whenever maintenance or repair activities necessitate flywheel removal, a surface examination of exposed surfaces and a complete volumetric examination shall be performed if the interval measured from the previous such inspection is greater than 6 2/3 years.

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category **AUG**									
O2.G1.1.0007									G01.001.004, G01.001.004A
2-RCP-2B2	50 Class 1	OM-201D-038 O-ISIN4-100A-2.1	NDE-900	UT	CS		9.500 / 72.000	Component	RCP 2B2 Flywheel. Reference Section 7 of the ISI Plan, General Requirements. -- (G01.001.004A) Whenever maintenance or repair activities necessitate flywheel removal, a surface examination of exposed surfaces and a complete volumetric examination shall be performed if the interval measured from the previous such inspection is greater than 6 2/3 years.
O2.G12.1.0005									G12.001.005
2-PDB2-11	50 Class 1	ISI-OCN2-014 B&W146629E O-ISIN4-100A-2.1	PDI-UT-10	UT	SS-CS		0.750 / 3.500	40416 Component	2B2 HPI Nozzle Pc.46 to Safe End Pc.47. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Examination schedule cannot exceed 5 years between examinations.
Circumferential									
Dissimilar									
						Nozzle to Safe End			
O2.G13.1.0001									G13.001.001
2-PZR-WP45	50 Class 1	ISI-OCN2-002 B&W149679E	NDE-68	VT-2	CS-Inconel		0.750 / 4.000		Pressurizer Spray Nozzle Pc. 9 to Spray Nozzle Safe End Pc. 45. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G13.001.002.
Circumferential									
Dissimilar									
Terminal End									
						Nozzle to Safe End			
O2.G13.1.0002									G13.001.002
2-PSP-1	50 Class 1	ISI-OCN2-016 OFD 100A-2.2	NDE-68	VT-2	SS-Inconel		0.531 / 4.000		Pressurizer Spray Piping. Nozzle Pc. 45 to Pipe Pc. 90. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential									
Dissimilar									
Terminal End									
						Nozzle to Pipe			

Summary Num Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G13.1.0003									G13.001.003
2-PZR-WP23	50	ISI-OCN2-002	NDE-68	VT-2	SS-CS		1.063 / 11.375		Pressurizer Surge Nozzle Pc. 8 to Surge Nozzle Safe End Pc. 37. Material thickness ranges from 1.250 to 1.063. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	B&W149768E							
Dissimilar									
Terminal End									
						Nozzle to Safe End			
O2.G13.1.0004									G13.001.004
2-PZR-WP91-1	50	ISI-OCN2-002	NDE-68	VT-2	SS-CS		0.375 / 2.500		Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32. W-X Quadrant. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-1526							
Dissimilar									
Terminal End									
						Nozzle to Safe End			
O2.G13.1.0005									G13.001.005
2-PZR-WP91-2	50	ISI-OCN2-002	NDE-68	VT-2	SS-CS		0.375 / 2.500		Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32. X-Y Quadrant. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-1526							
Dissimilar									
Terminal End									
						Nozzle to Safe End			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G13.1.0006									G13.001.006
2-PZR-WP91-3	50	ISI-OCN2-002	NDE-68	VT-2	SS-CS		0.375 / 2.500		Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32. Z-W Quadrant. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-1526							
Dissimilar									
Terminal End									
						Nozzle to Safe End			
O2.G13.1.0007									G13.001.007
2-PHA-17	50	ISI-OCN2-005	NDE-68	VT-2	CS-Inconel		1.125 / 12.750		Steam Generator 2A Hot Leg to Reactor Vessel. Decay Heat Nozzle Pc. 34 to Inconel Buttering Pc. 17. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G13.001.008.
Circumferential	Class 1	B&W146630E							
Dissimilar									
Stress Weld									
						Nozzle to Buttering			
O2.G13.1.0008									G13.001.008
2-53A-10-10A	53A	2-53A-10	NDE-68	VT-2	SS-Inconel		1.125 / 12.000		Low Pressure Injection System. Decay Heat Nozzle Inconel Buttering Pc. 34 to Pipe (12" NPS). Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	B&W146630E							
		O-ISIN4-100A-2.1							
Dissimilar									
Stress Weld									
						Nozzle Inconel Buttering to Pipe			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G13.1.0009									G13.001.009
2-PHB-17	50	ISI-OCN2-006	NDE-68	VT-2	CS-Inconel		1.000 / 10.750		Steam Generator 2B Hot Leg to Reactor Vessel. Surge Nozzle Pc. 25 to Inconel Buttering Pc. 17. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G13.001.010.
Circumferential	Class 1	B&W146622E							
Dissimilar									
Stress Weld									
						Nozzle to Buttering			
O2.G13.1.0010									G13.001.010
2-PSL-10	50	ISI-OCN2-015	NDE-68	VT-2	SS-CS		1.000 / 10.750		Pressurizer Surge Piping. Nozzle Pc. 25 to Pipe Pc. 85. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	B&W146622E							
Dissimilar									
Stress Weld									
						Nozzle to Pipe			
O2.G13.1.0011									G13.001.011
2-PZR-WP63-1	50	ISI-OCN2-002	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End Welds shall be examined (W-X Quadrant). Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G13.001.012.
Circumferential	Class 1	B&W149771E							
Dissimilar									
						Nozzle Pc.30 to Safe End Pc.42			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G13.1.0012									G13.001.012
2RC-240-6B	50	2RC-240	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G13.1.0013									G13.001.013
2-PZR-WP63-2	50	ISI-OCN2-002	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End Welds shall be examined (Y-Z Quadrant). Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G13.001.014.
Circumferential	Class 1	B&W149771E							
Dissimilar									
						Nozzle Pc.30 to Safe End Pc.42			
O2.G13.1.0014									G13.001.014
2RC-240-9A	50	2RC-240	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G13.1.0015									G13.001.015
2-PZR-WP63-3	50	ISI-OCN2-002	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End Welds shall be examined (Z-W Quadrant). Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G13.001.016.
Circumferential	Class 1	B&W149771E							
Dissimilar									
						Nozzle Pc.30 to Safe End Pc.42			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G13.1.0016									G13.001.016
2RC-240-4A	50	2RC-240	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G13.1.0017									G13.001.017
2-PZR-WP63-4	50	ISI-OCN2-002	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End Welds shall be examined (W-X Quadrant). Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G13.001.018.
Circumferential	Class 1	B&W149771E							
Dissimilar									
						Nozzle Pc.30 to Safe End Pc.42			
O2.G13.1.0018									G13.001.018
2RC-240-25V	50	2RC-240	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G13.1.0019									G13.001.019
2-PZR-WP63-5	50	ISI-OCN2-002	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End Welds shall be examined (Y-Z Quadrant). Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G13.001.020.
Circumferential	Class 1	B&W149771E							
Dissimilar									
						Nozzle Pc.30 to Safe End Pc.42			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G13.1.0020									G13.001.020
2RC-240-1A	50	2RC-240	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G13.1.0021									G13.001.021
2-PZR-WP63-6	50	ISI-OCN2-002	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End Welds shall be examined (Z-W Quadrant). Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G13.001.022.
Circumferential	Class 1	B&W149771E							
Dissimilar									
						Nozzle Pc.30 to Safe End Pc.42			
O2.G13.1.0022									G13.001.022
2RC-240-21V	50	2RC-240	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G13.1.0023									G13.001.023
2-PZR-WP63-7	50	ISI-OCN2-002	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End Welds shall be examined (Z-W Quadrant). Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G13.001.024.
Circumferential	Class 1	B&W149771E							
Dissimilar									
						Nozzle Pc.30 to Safe End Pc.42			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G13.1.0024									G13.001.024
2RC-206-6	50	2RC-206	NDE-68	VT-2	SS-Inconel		1.250 / 1.000		Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G13.1.0025									G13.001.025
2-50-16-8A	50	2-50-16	NDE-68	VT-2	SS-Inconel		0.250 / 1.000		1 inch PZR vent nozzle SB-166 Nozzle to SS pipe weld. (Examine the PZR surface where the PZR Vent Nozzle and the PZR Head/Shell interface and also examine the Nozzle to SS Pipe weld.) Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G13.1.0026									G13.001.026
2RC-278-66	50	2RC-278	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			

Summary Num / Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G13.1.0027									G13.001.027
2RC-278-70V	50	2RC-278	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G13.1.0028									G13.001.028
2RC-277-50	50	2RC-277	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G13.1.0029									G13.001.029
2RC-277-71V	50	2RC-277	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		1 inch HL SB-166 Pressure Tap SE to CS Nozzle weld and SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G13.1.0030									G13.001.030
2RC-278-23	50	2RC-278	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		.75 inch ID HL SB-167 Flowmeter Nozzle SE to CS Nozzle weld and SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G13.1.0031									G13.001.031
2RC-278-69	50	2RC-278	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		.75 inch ID HL SB-167 Flowmeter Nozzle SE to CS Nozzle weld and SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G13.1.0032									G13.001.032
2RC-277-24	50	2RC-277	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		.75 inch ID HL SB-167 Flowmeter Nozzle SE to CS Nozzle weld and SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			

Summary Num / *Component ID / Type*	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G13.1.0033									G13.001.033
2RC-277-70	50	2RC-277	NDE-68	VT-2	CS-Inconel		0.250 / 1.000		.75 inch ID HL SB-167 Flowmeter Nozzle SE to CS Nozzle weld and SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G13.2.0001									G13.002.001
2-RPV-WR53	50	ISI-OCN2-001	NDE-68	VT-2	SS-CS		1.688 / 15.625		RV A-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. W-Axis. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-1528							
Dissimilar									
Terminal End									
						Nozzle to Safe End			
O2.G13.2.0002									G13.002.002
2-RPV-WR53A	50	ISI-OCN2-001	NDE-68	VT-2	SS-CS		1.688 / 15.625		RV B-Side Core Flood Nozzle Pc. 17 to Safe End Pc. 89. Y-Axis. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-1528							
Dissimilar									
Terminal End									
						Nozzle to Safe End			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G13.2.0003									G13.002.003
2-PIB1-11	50	ISI-OCN2-009	NDE-68	VT-2	CS-Inconel		0.672 / 3.500		Reactor Coolant Pump 2B1 Suction Piping. Nozzle Pc. 87 to Safe End Pc. 88. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Examine with item G13.002.004.
Circumferential	Class 1	B&W146635E							
Dissimilar									
Stress Weld									
						Nozzle to Safe End			
O2.G13.2.0004									G13.002.004
2-51A-35-15A	51A	2-51A-35 (1)	NDE-68	VT-2	SS-Inconel		0.375 / 2.500		Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	O-ISIN4-101A-2.1							
Dissimilar									
Stress Weld									
						Elbow to Pipe			
O2.G13.2.0005									G13.002.005
2-PIA1-7	50	ISI-OCN2-007	NDE-68	VT-2	SS-CS		3.000 / 33.500		Reactor Coolant Pump 2A1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-966							
Dissimilar									
Stress Weld									
						Pipe to Safe End			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G13.2.0006									G13.002.006
2-PIA2-7	50	ISI-OCN2-008	NDE-68	VT-2	SS-CS		2.330 / 33.500		Reactor Coolant Pump 2A2 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-966							
Dissimilar									
Stress Weld									
						Pipe to Safe End			
O2.G13.2.0007									G13.002.007
2-PIB1-7	50	ISI-OCN2-009	NDE-68	VT-2	SS-CS		2.330 / 33.500		Reactor Coolant Pump 2B1 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-966							
Dissimilar									
Stress Weld									
						Pipe to Safe End			
O2.G13.2.0008									G13.002.008
2-PIB2-7	50	ISI-OCN2-010	NDE-68	VT-2	SS-CS		2.330 / 33.500		Reactor Coolant Pump 2B2 Suction Piping. Pipe Pc. 56 to Safe End Pc. 55. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-966							
Dissimilar									
Stress Weld									
						Pipe to Safe End			

Summary Num / Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G13.2.0009									G13.002.009
2-PDA1-2	50	ISI-OCN2-011	NDE-68	VT-2	SS-CS		2.330 / 33.500		Reactor Coolant Pump 2A1 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-966							
Dissimilar									
Stress Weld									
						Safe End to Elbow			
O2.G13.2.0010									G13.002.010
2-PDA2-2	50	ISI-OCN2-012	NDE-68	VT-2	SS-CS		2.330 / 33.500		Reactor Coolant Pump 2A2 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-966							
Dissimilar									
Stress Weld									
						Safe End to Elbow			
O2.G13.2.0011									G13.002.011
2-PDB1-2	50	ISI-OCN2-013	NDE-68	VT-2	SS-CS		2.330 / 33.500		Reactor Coolant Pump 2B1 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-966							
Dissimilar									
Stress Weld									
						Safe End to Elbow			

Summary Num / Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G13.2.0012									G13.002.012
2-PDB2-2	50	ISI-OCN2-014	NDE-68	VT-2	SS-CS		2.330 / 33.500		Reactor Coolant Pump 2B2 Discharge Piping. Safe End Pc. 49 to Elbow Pc. 53. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-966							
Dissimilar									
Stress Weld									
						Safe End to Elbow			
O2.G13.2.0014									G13.002.014
2RC-279-19AA	50	2RC-279	NDE-68	VT-2	SS-Inconel		0.250 / 1.000		1 inch LCL-SB-166 Pressure Tap SE to CS nozzle weld & SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	O-ISIN4-100A-2.1							
Dissimilar									
Stress Weld									
						Nozzle to Elbow			
O2.G13.2.0015									G13.002.015
2RC-279-20	50	2RC-279	NDE-68	VT-2	SS-Inconel		0.250 / 1.000		1 inch LCL-SB-166 Pressure Tap SE to CS nozzle weld & SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	O-ISIN4-100A-2.1							
Dissimilar									
Stress Weld									
						Nozzle to Elbow			

Summary Num / Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G13.2.0016									G13.002.016
2-PIA1-11	50	ISI-OCN2-007	NDE-68	VT-2	SS-Inconel		0.816 / 3.500		Reactor Coolant Pump 2A1 Suction Piping. Nozzle Pc. 64 to Safe End Pc. 65. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Examine with item G13.002.017.
Circumferential	Class 1	B&W146823E							
Dissimilar									
Stress Weld									
						Nozzle to Safe End			
O2.G13.2.0017									G13.002.017
2-50-7-29	50	2-50-7 (1)	NDE-68	VT-2	SS-Inconel		0.281 / 1.500		Reactor Coolant Pump 2A1 Suction Drain Piping. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	O-ISIN4-100A-2.1							
Dissimilar									
Stress Weld									
						Nozzle to Elbow			
O2.G13.2.0018									G13.002.018
2-PIA2-11	50	ISI-OCN2-008	NDE-68	VT-2	SS-Inconel		0.816 / 3.500		Reactor Coolant Pump 2A2 Suction Piping. Nozzle Pc. 64 to Safe End Pc. 65. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Examine with item G13.002.019.
Circumferential	Class 1	B&W146823E							
Dissimilar									
Stress Weld									
						Nozzle to Safe End			

Summary Num Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G13.2.0019									G13.002.019
2-50-7-14	50	2-50-7 (1)	NDE-68	VT-2	SS-Inconel		0.281 / 1.500		Reactor Coolant Pump 2A2 Suction Drain Piping. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	O-ISIN4-100A-2.1							
Dissimilar									
Stress Weld									
						Nozzle to Elbow			
O2.G13.2.0020									G13.002.020
2-PIB2-11	50	ISI-OCN2-010	NDE-68	VT-2	CS-Inconel		0.816 / 3.500		Reactor Coolant Pump 2B2 Suction Piping. Nozzle Pc. 64 to Safe End Pc. 65. Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Examine with item G13.002.021.
Circumferential	Class 1	B&W146823E							
Dissimilar									
Stress Weld									
						Nozzle to Safe End			
O2.G13.2.0021									G13.002.021
2-50-7-8	50	2-50-7 (2)	NDE-68	VT-2	SS-Inconel		0.281 / 1.500		Reactor Coolant Pump 2B2 Suction Drain Piping.Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	O-ISIN4-100A-2.1							
Dissimilar									
						Elbow to Nozzle			

Summary Num *Component ID / Type*	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G13.2.0022									G13.002.022
2RC-279-21	50	2RC-279	NDE-68	VT-2	SS-Inconel		0.250 / 1.000		1 inch UCL-SB-166 Pressure Tap SE to CS nozzle weld & SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	O-ISIN4-100A-2.1							
Dissimilar									
Stress Weld									
						Nozzle to Elbow			
O2.G13.2.0023									G13.002.023
2RC-279-22A	50	2RC-279	NDE-68	VT-2	SS-Inconel		0.250 / 1.000		1 inch UCL-SB-166 Pressure Tap SE to CS nozzle weld & SS pipe weld. (Examine the Nozzle to Safe-End weld and the Safe-End to Pipe weld.) Augmented Inspection Per MRP-139. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed once every third refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	O-ISIN4-100A-2.1							
Dissimilar									
Stress Weld									
						Nozzle to Elbow			
O2.G14.1.0001									G14.001.001
2-PZR-THERM	50		NDE-68	VT-2	CS-Inconel		0.250 / 1.000		1.5 inch Thermowell located on the Pressurizer. Augmented Inspection Per Oconee Response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM 1201-1135 OM 100-1189							
Dissimilar									
						Nozzle to Elbow			

Summary Num / Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G14.1.0002									G14.001.002
2-PZR-WP45	50	ISI-OCN2-002	NDE-68	VT-2	CS-Inconel		0.750 / 4.000		Pressurizer Spray Nozzle Pc. 9 to Spray Nozzle Safe End Pc. 45. Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G14.001.003.
Circumferential	Class 1	B&W149679E							
Dissimilar									
Terminal End									
						Nozzle to Safe End			
O2.G14.1.0003									G14.001.003
2-PSP-1	50	ISI-OCN2-016	NDE-68	VT-2	SS-Inconel		0.531 / 4.000		Pressurizer Spray Piping. Nozzle Pc. 45 to Pipe Pc. 90. Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OFD 100A-2.2							
Dissimilar									
Terminal End									
						Nozzle to Pipe			
O2.G14.1.0004									G14.001.004
2-PZR-WP23	50	ISI-OCN2-002	NDE-68	VT-2	SS-CS		1.063 / 11.375		Pressurizer Surge Nozzle Pc. 8 to Surge Nozzle Safe End Pc. 37. Material thickness ranges from 1.250 to 1.063. Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	B&W149768E							
Dissimilar									
Terminal End									
						Nozzle to Safe End			

Summary Num Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G14.1.0005									G14.001.005
2-PZR-WP91-1	50	ISI-OCN2-002	NDE-68	VT-2	SS-CS		0.375 / 2.500		Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32. W-X Quadrant. Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-1526							
Dissimilar									
Terminal End									
						Nozzle to Safe End			
O2.G14.1.0006									G14.001.006
2-PZR-WP91-2	50	ISI-OCN2-002	NDE-68	VT-2	SS-CS		0.375 / 2.500		Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32. X-Y Quadrant. Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-1526							
Dissimilar									
Terminal End									
						Nozzle to Safe End			
O2.G14.1.0007									G14.001.007
2-PZR-WP91-3	50	ISI-OCN2-002	NDE-68	VT-2	SS-CS		0.375 / 2.500		Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32. Z-W Quadrant. Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1	OM-1201-1526							
Dissimilar									
Terminal End									
						Nozzle to Safe End			

Summary Num / Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G14.1.0008									G14.001.008
2-PZR-WP63-1	50	ISI-OCN2-002	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End Welds shall be examined (W-X Quadrant). Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G14.001.009.
Circumferential	Class 1	B&W149771E							
Dissimilar									
						Nozzle Pc.30 to Safe End Pc.42			
O2.G14.1.0009									G14.001.009
2RC-240-6B	50	2RC-240	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G14.1.0010									G14.001.010
2-PZR-WP63-2	50	ISI-OCN2-002	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End Welds shall be examined (Y-Z Quadrant). Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G14.001.011.
Circumferential	Class 1	B&W149771E							
Dissimilar									
						Nozzle Pc.30 to Safe End Pc.42			

Summary Num / Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G14.1.0011									G14.001.011
2RC-240-9A	50	2RC-240	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G14.1.0012									G14.001.012
2-PZR-WP63-3	50	ISI-OCN2-002	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End Welds shall be examined (Z-W Quadrant). Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G14.001.013.
Circumferential	Class 1	B&W149771E							
Dissimilar									
						Nozzle Pc.30 to Safe End Pc.42			
O2.G14.1.0013									G14.001.013
2RC-240-4A	50	2RC-240	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			

Summary Num / Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G14.1.0014									G14.001.014
2-PZR-WP63-4	50	ISI-OCN2-002	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End Welds shall be examined (W-X Quadrant). Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G14.001.015.
Circumferential	Class 1	B&W149771E							
Dissimilar									
						Nozzle Pc.30 to Safe End Pc.42			
O2.G14.1.0015									G14.001.015
2RC-240-25V	50	2RC-240	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G14.1.0016									G14.001.016
2-PZR-WP63-5	50	ISI-OCN2-002	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End Welds shall be examined (Y-Z Quadrant). Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G14.001.017.
Circumferential	Class 1	B&W149771E							
Dissimilar									
						Nozzle Pc.30 to Safe End Pc.42			

Summary Num / Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G14.1.0017									G14.001.017
2RC-240-1A	50	2RC-240	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			
O2.G14.1.0018									G14.001.018
2-PZR-WP63-6	50	ISI-OCN2-002	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End Welds shall be examined (Z-W Quadrant). Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G14.001.019.
Circumferential	Class 1	B&W149771E							
Dissimilar									
						Nozzle Pc.30 to Safe End Pc.42			
O2.G14.1.0019									G14.001.019
2RC-240-21V	50	2RC-240	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
						Pipe to Safe End			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G14.1.0020									G14.001.020
2-PZR-WP63-7	50	ISI-OCN2-002	NDE-68	VT-2	CS-Inconel		1.185 / 1.000		The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End Welds shall be examined (Z-W Quadrant). Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage." Inspect with item number G14.001.021.
Circumferential	Class 1	B&W149771E							
Dissimilar									
					Nozzle Pc.30 to Safe End Pc.42				
O2.G14.1.0021									G14.001.021
2RC-206-6	50	2RC-206	NDE-68	VT-2	SS-Inconel		1.250 / 1.000		Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
					Pipe to Safe End				
O2.G14.1.0022									G14.001.022
2-50-16-8A	50	2-50-16	NDE-68	VT-2	SS-Inconel		0.250 / 1.000		1 inch PZR vent nozzle SB-166 Nozzle to SS pipe weld. (Examine the PZR surface where the PZR Vent Nozzle and the PZR Head/Shell interface and also examine the Nozzle to SS Pipe weld.) Augmented Inspection Per Oconee response to BL-2004-01. Contact Jody Shuping for additional information on this examination. Bare Metal Visual Examinations are to be performed each refueling outage by a VT-2 qualified inspector. Acceptance criteria is "no evidence of borated water leakage."
Circumferential	Class 1								
Dissimilar									
					Pipe to Safe End				
O2.G2.1.0001									G02.001.005C
2-PDB1-46	50	ISI-OCN2-013	NDE-690	UT	CS		2.500 / 3.500	40410	2B1 HPI Nozzle Pc.46. Perform UT on the nozzle inside radius (knuckle area). Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.
		B&W146629E						40350	
	Class 1								
		O-ISIN4-100A-2.1							

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G2.1.0002									G02.001.005B
2-PDA2-46	50 Class 1	ISI-OCN2-012 B&W146629E O-ISIN4-100A-2.1	NDE-690	UT	CS		2.500 / 3.500	40410 40350	2A2 Make-Up Nozzle Pc.46. Perform UT on the nozzle inside radius (knuckle area). Reference Section 7 of the ISI Plan, General Requirments. This schedule cannot be changed without Engineering approval.
O2.G2.1.0003									G02.001.005A
2-PDA1-46	50 Class 1	ISI-OCN2-011 B&W146629E O-ISIN4-100A-2.1	NDE-690	UT	CS		2.500 / 3.500	40410 40350	2A1 Make-Up Nozzle Pc.46. Perform UT on the nozzle inside radius (knuckle area). Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.
O2.G2.1.0004									G02.001.005D
2-PDB2-46	50 Class 1	ISI-OCN2-014 B&W146629E O-ISIN4-100A-2.1	NDE-690	UT	CS		2.500 / 3.500	40410 40350	2B2 HPI Nozzle Pc.46. Perform UT on the nozzle inside radius (knuckle area). Reference Section 7 of the ISI Plan, Genera1 Requirements. This schedule cannot be changed without Engineering approval.
O2.G2.1.0005									G02.001.006A
2-PDA1-11 Circumferential	50 Class 1	ISI-OCN2-011 B&W146629E O-ISIN4-100A-2.1	PDI-UT-10	UT	SS-CS		0.750 / 3.500	40416	2A1 Make-Up Nozzle Pc.46 to Safe End Pc.47. Perform UT on the nozzle to safe end weld. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. This weld was cut out and welded back in EOC-20. The new weld is also listed as weld 29 on rev . 11 of iso 2RC-204.
Dissimilar						Nozzle to Safe End			
O2.G2.1.0006									G02.001.006B
2-PDA2-11 Circumferential	50 Class 1	ISI-OCN2-012 B&W146629E O-ISIN4-100A-2.1	PDI-UT-10	UT	SS-CS		0.750 / 3.500	40416	2A2 Make-Up Nozzle Pc.46 to Safe End Pc.47. Perform UT on the nozzle to safe end weld. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. This weld was cut out and welded back in EOC-20. The new weld is also listed as weld 22 on rev . 10 of iso 2RC-203.
Dissimilar						Nozzle to Safe End			

Summary Num / *Component ID / Type*	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G2.1.0007									G02.001.006D
2-PDB2-11	50	ISI-OCN2-014	PDI-UT-10	UT	SS-CS		0.750 / 3.500	40416	2B2 HPI Nozzle Pc.46 to Safe End Pc.47. Perform UT on the nozzle to safe end weld. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.
Circumferential	Class 1	B&W146629E							
		O-ISIN4-100A-2.1							
Dissimilar									
					Nozzle to Safe End				
O2.G2.1.0008									G02.001.006C
2-PDB1-11	50	ISI-OCN2-013	PDI-UT-10	UT	SS-CS		0.750 / 3.500	40416	2B1 HPI Nozzle Pc.46 to Safe End Pc.47. Perform UT on the nozzle to safe end weld. This weld was cut out and welded back in EOC-20. The new weld is also listed as weld 16 on rev . 8 of iso 2RC-202. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.
Circumferential	Class 1	B&W146629E							
		O-ISIN4-100A-2.1							
Dissimilar									
					Nozzle to Safe End				
O2.G2.1.0009									G02.001.007C
2-PDB1-47	50	ISI-OCN2-013	PDI-UT-10	UT	SS		0.750 / 3.500	40416	Safe End Pc.47 adjoining HPI Nozzle 2B1. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.
	Class 1	B&W146629E							
		O-ISIN4-100A-2.1							
O2.G2.1.0010									G02.001.007D
2-PDB2-47	50	ISI-OCN2-014	PDI-UT-10	UT	SS		0.750 / 3.500	40416	Safe End Pc.47 adjoining HPI Nozzle 2B2. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.
	Class 1	B&W146629E							
		O-ISIN4-100A-2.1							
O2.G2.1.0011									G02.001.007A
2-PDA1-47	50	ISI-OCN2-011	PDI-UT-10	UT	SS		0.750 / 3.500	40416	Safe End Pc.47 adjoining Make-Up Nozzle 2A1. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.
	Class 1	B&W146629E							
		O-ISIN4-100A-2.1							

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G2.1.0012									G02.001.007B
2-PDA2-47	50 Class 1	ISI-OCN2-012 B&W146629E O-ISIN4-100A-2.1	PDI-UT-10	UT	SS		0.750 / 3.500	40416	Safe End Pc.47 adjoining Make-Up Nozzle 2A2. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.
O2.G2.1.0013									G02.001.008A
2RC-204-28 Circumferential	50 Class 1	2RC-204 B&W146629E O-ISIN4-100A-2.1	NDE-995	UT	SS		0.375 / 2.500	Component	Make-Up Nozzle 2A1. Perform UT on weld 2RC-204-28 and adjoining base metal out to weld 2RC-204-20 (at valve 2HP-127). Weld 2RC-204-18 was cut out and replaced with weld 2RC-204-28 during EOC-20. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.029.
						Safe End to Pipe			
O2.G2.1.0014									G02.001.008C
2RC-202-17 Circumferential	50 Class 1	2RC-202 B&W146629E O-ISIN4-100A-2.1	NDE-995	UT	SS		0.375 / 2.500	Component	HPI Nozzle 2B1. Perform UT on weld 2RC-202-17 and adjoining base metal out to weld 2RC-202-19 (at valve 2HP-153). Reference Section 7 of the ISI Plan, General Requirements. Weld 2RC-202-1 was cut out and replaced with weld 2RC-202-17 during EOC-20. This schedule cannot be changed without Engineering approval. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.001.
						Safe End to Pipe			
O2.G2.1.0015									G02.001.008B
2RC-203-21 Circumferential	50 Class 1	2RC-203 B&W146629E O-ISIN4-100A-2.1	NDE-995	UT	SS		0.375 / 2.500	Component	Make-Up Nozzle 2A2. Perform UT on weld 2RC-203-21 and adjoining base metal out to weld 2RC-203-3 (at valve 2HP-126). Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. Weld 2RC-203-2 was cut out and replaced with weld 2RC-203-21 during EOC-20. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.027.
						Safe End to Pipe			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G2.1.0016									G02.001.008D
2RC-205-1	50	2RC-205	NDE-995	UT	SS		0.375 / 2.500	Component	HPI Nozzle 2B2. Perform UT on weld 2RC-205-1 and adjoining base metal out to weld 2RC-205-3 (at valve 2HP-152). Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.004.
Circumferential	Class 1	B&W146629E							
		O-ISIN4-100A-2.1							
						Safe End to Pipe			
O2.G2.1.0017									G02.001.010B
2RC-203-3	50	2RC-203	NDE-995	UT	SS		0.375 / 2.500	Component	Make-Up Nozzle 2A2. Perform UT on weld 2RC-203-3 at valve 2HP-126. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.028.
Circumferential	Class 1	B&W146629E							
		O-ISIN4-100A-2.1							
						Pipe to Valve			
O2.G2.1.0018									G02.001.010C
2RC-202-19	50	2RC-202	NDE-995	UT	SS		0.375 / 2.500	Component	HPI Nozzle 2B1. Perform UT on weld 2RC-202-19 at valve 2HP-153. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. Weld 2RC-202-3 was cut out and replaced with weld 2RC-202-19 during EOC-20. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.003.
Circumferential	Class 1	B&W146629E							
		O-ISIN4-100A-2.1							
						Pipe to Valve			
O2.G2.1.0019									G02.001.010A
2RC-204-20	50	2RC-204	NDE-995	UT	SS		0.375 / 2.500	Component	Make-Up Nozzle 2A1. Perform UT on weld 2RC-204-20 at valve 2HP-127. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.030.
Circumferential	Class 1	B&W146629E							
		O-ISIN4-100A-2.1							
						Pipe to Valve			
O2.G2.1.0020									G02.001.010D
2RC-205-3	50	2RC-205	NDE-995	UT	SS		0.375 / 2.500	Component	HPI Nozzle 2B2. Perform UT on weld 2RC-205-3 at valve 2HP-152. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval. Note: The inspection performed for this G02 item number will satisfy the requirements for G04.001.006.
Circumferential	Class 1	B&W146629E							
		O-ISIN4-100A-2.1							
						Pipe to Valve			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G2.1.0021									G02.001.011B
2A2 THERM-SLEEVE Circumferential	50 Class 1	ISI OCN2-012 B&W146629E O-ISIN4-100A-2.1	NDE-105	RT	SS		0.750 / 3.500		Make-Up Nozzle 2A2. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in Procedure NDE-105. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.
O2.G2.1.0022									G02.001.011C
2B1 THERM-SLEEVE Circumferential	50 Class 1	ISI OCN2-013 B&W146629E O-ISIN4-100A-2.1	NDE-105	RT	SS		0.750 / 3.500		HPI Nozzle 2B1. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in Procedure NDE-105. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.
O2.G2.1.0023									G02.001.011A
2A1 THERM-SLEEVE Circumferential	50 Class 1	ISI OCN2-011 B&W146629E O-ISIN4-100A-2.1	NDE-105	RT	SS		0.750 / 3.500		Make-Up Nozzle 2A1. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in Procedure NDE-105. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.
O2.G2.1.0024									G02.001.011D
2B2 THERM-SLEEVE Circumferential	50 Class 1	ISI OCN2-014 B&W146629E O-ISIN4-100A-2.1	NDE-105	RT	SS		0.750 / 3.500		HPI Nozzle 2B2. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in Procedure NDE-105. Reference Section 7 of the ISI Plan, General Requirements. This schedule cannot be changed without Engineering approval.
O2.G4.1.0001									G04.001.001
2RC-202-17 Circumferential	51A Class 1	2RC-202 O-ISIN4-100A-2.1	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld &1" of base material (axial & circumferential). This weld was listed previously as 2-51A-39-90C until iso 2-51A-39 was redrawn. Reference Section 7 of the ISI Plan, General Requirements. Weld 2RC-202-1 was cut out and replaced with weld 2RC-202-17 during EOC-20. Note: The inspection performed for G02.001.008C will satisfy the requirements for this G04 inspection.

Pipe to Safe End

Summary Num Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G4.1.0002									G04.001.003
2RC-202-19	51A	2RC-202	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld &1" of base material (axial & circumferential). This weld was listed previously as 2-51A-39-91 until iso 2-51A-39 was redrawn. Reference Section 7 of the ISI Plan, General Requirements. Weld 2RC-202-3 was cut out and replaced with weld 2RC-202-19 during EOC-20. Note: The inspection performed for G02.001.010C will satisfy the requirements for this G04 inspection.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Pipe to Valve 2HP-153			
O2.G4.1.0003									G04.001.004
2RC-205-1	51A	2RC-205	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld &1" of base material (axial & circumferential). This weld was listed previously as 2-51A-39-92A until iso 2-51A-39 was redrawn. Reference Section 7 of the ISI Plan, General Requirements. Note: The inspection performed for G02.001.008D will satisfy the requirements for this G04 inspection.
Circumferential	Class 1	O-ISIN4-100A-2.1							
						Pipe to Safe-End			
O2.G4.1.0004									G04.001.006
2RC-205-3	51A	2RC-205	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld &1" of base material (axial & circumferential). This weld was listed previously as 2-51A-39-93 until iso 2-51A-39 was redrawn. Reference Section 7 of the ISI Plan, General Requirements. Note: The inspection performed for G02.001.010D will satisfy the requirements for this G04 inspection.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Pipe to Valve 2HP-152			
O2.G4.1.0005									G04.001.007
2HP-218-18	51A	2HP-218	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld &1" of base material (axial & circumferential). This weld was listed previously as 2-51A-27-73 until iso 2-51A-27 (2) was redrawn. Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Elbow to Pipe			
O2.G4.1.0006									G04.001.010
2HP-214-13	51A	2HP-214	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld &1" of base material (axial & circumferential). This weld was listed previously as 2-51A-27-108 until iso 2-51A-27 (3) was redrawn. Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Pipe to Elbow			

Summary Num Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **AUG**									
O2.G4.1.0007									G04.001.011
2HP-214-15	51A	2HP-214	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was originally 2-51A-27-110. It was cut out during outage 15 and replaced as 2HP-214-15. Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Pipe to Valve 2HP-488			
O2.G4.1.0008									G04.001.013
2RC-202-4	51A	2RC-202	NDE-12	RT	SS		0.375 / 2.500		Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Valve 2HP-488 to Valve 2HP-153			
O2.G4.1.0008									G04.001.013
2RC-202-4	51A	2RC-202	NDE-995	UT	SS		0.375 / 2.500		Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Valve 2HP-488 to Valve 2HP-153			
O2.G4.1.0009									G04.001.014
2RC-203-4	51A	2RC-203	NDE-12	RT	SS		0.375 / 2.500		Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Valve 2HP-486 to Valve 2HP-126			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G4.1.0009									G04.001.014
2RC-203-4	51A	2RC-203	NDE-995	UT	SS		0.375 / 2.500		Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Valve 2HP-486 to Valve 2HP-126			
O2.G4.1.0010									G04.001.015
2RC-204-4	51A	2RC-204	NDE-12	RT	SS		0.375 / 2.500		Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Valve 2HP-487 to Valve 2HP-127			
O2.G4.1.0010									G04.001.015
2RC-204-4	51A	2RC-204	NDE-995	UT	SS		0.375 / 2.500		Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Valve 2HP-487 to Valve 2HP-127			
O2.G4.1.0011									G04.001.016
2RC-205-4	51A	2RC-205	NDE-12	RT	SS		0.375 / 2.500		Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Valve 2HP-489 to Valve 2HP-152			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G4.1.0011									G04.001.016
2RC-205-4	51A	2RC-205	NDE-995	UT	SS		0.375 / 2.500		Use Procedure NDE-995 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # O-99-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Valve 2HP-489 to Valve 2HP-152			
O2.G4.1.0012									G04.001.017
2HP-214-14	51A	2HP-214	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-27-109 until iso 2-51A-27 (3) was redrawn. Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Elbow to Pipe			
O2.G4.1.0013									G04.001.018
2HP-216-7	51A	2HP-216	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-30-51 until iso 2-51A-30 was redrawn. Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Pipe to Elbow			
O2.G4.1.0014									G04.001.019
2HP-216-8	51A	2HP-216	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-30-52 until iso 2-51A-30 was redrawn. Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Elbow to Pipe			
O2.G4.1.0015									G04.001.020
2HP-216-9	51A	2HP-216	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-30-54 until iso 2-51A-30 was redrawn. Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Pipe to Valve 2HP-486			
O2.G4.1.0016									G04.001.021
2HP-217-10	51A	2HP-217	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-30-28 until iso 2-51A-30 was redrawn. Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Pipe to Elbow			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G4.1.0017									G04.001.022
2HP-217-11	51A	2HP-217	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-30-29 until iso 2-51A-30 was redrawn. Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Elbow to Pipe			
O2.G4.1.0018									G04.001.023
2HP-217-12	51A	2HP-217	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-30-31 until iso 2-51A-30 was redrawn. Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Pipe to Valve 2HP-487			
O2.G4.1.0019									G04.001.024
2HP-218-20	51A	2HP-218	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-27-79 until iso 2-51A-27 (2) was redrawn. Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Pipe to Elbow			
O2.G4.1.0020									G04.001.025
2HP-218-21	51A	2HP-218	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was listed previously as 2-51A-27-80 until iso 2-51A-27 (2) was redrawn. Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Elbow to Pipe			
O2.G4.1.0021									G04.001.026
2HP-218-22	51A	2HP-218	NDE-995	UT	SS		0.375 / 2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Pipe to Valve 2HP-489			
O2.G4.1.0022									G04.001.027
2RC-203-21	50	2RC-203	NDE-995	UT	SS		0.375 / 2.500	Component	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements. Weld 2RC-203-2 was cut out and replaced with weld 2RC-203-21 during EOC-20. Note: The inspection performed for G02.001.008B will satisfy the requirements for this G04 inspection.
Circumferential	Class 1	B&W146629E O-ISIN4-100A-2.1							
						Safe End to Pipe			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category AUG									
O2.G4.1.0023									G04.001.028
2RC-203-3	50	2RC-203	NDE-995	UT	SS		0.375 / 2.500	Component	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	B&W146629E							Note: The inspection performed for G02.001.010B will satisfy the requirements for this G04 inspection.
		O-ISIN4-100A-2.1							
						Pipe to Valve 2HP-126			
O2.G4.1.0024									G04.001.029
2RC-204-28	50	2RC-204	NDE-995	UT	SS		0.375 / 2.500	Component	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	B&W146629E							Weld 2RC-204-18 was cut out and replaced with weld 2RC-204-28 during EOC-20.
		O-ISIN4-100A-2.1							Note: The inspection performed for G02.001.008A will satisfy the requirements for this G04 inspection.
						Safe End to Pipe			
O2.G4.1.0025									G04.001.030
2RC-204-20	50	2RC-204	NDE-995	UT	SS		0.375 / 2.500	Component	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	B&W146629E							Inspect this weld at the same time item number G02.001.010A is inspected.
		O-ISIN4-100A-2.1							Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
						Pipe to Valve 2HP-127			
Category B-A									
O2.B1.30.0001									B01.030.001, B01.030.001A
2-RPV-WR19	50	ISI-OCN2-001	NDE-650	UT	CS		12.000 / 167.630		Reactor Vessel Upper Shell Forging Pc. 86 to Flange Pc. 7. (B01.030.001) Inspect from Vessel ID.(automated scan) -- (B01.030.001A) Inspect from Flange Surface. (manual scan)
		OM-1201-454						CB-08-99	
Circumferential	Class 1								
						Shell to Flange			
Category B-D									
O2.B3.110.0001									B03.110.001
2-PZR-WP15	50	ISI-OCN2-002	NDE-820	UT	CS		4.750 / 15.250	40394	Pressurizer Surge Nozzle Pc. 8 to Lower Head Pc. 6.
Circumferential	Class 1	OM-1201-456							
		B&W149768E							
						Nozzle to Head			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks	Comments / Historical Data
Category B-D								
O2.B3.110.0001								B03.110.001
2-PZR-WP15	50	ISI-OCN2-002	NDE-640	UT	CS	4.750 / 15.250	40394	Pressurizer Surge Nozzle Pc. 8 to Lower Head Pc. 6.
Circumferential	Class 1	OM-1201-456 B&W149768E						
						Nozzle to Head		
O2.B3.110.0006								B03.110.006
2-PZR-WP26-4	50	ISI-OCN2-002 OM-1201-456	PDI-UT-7	UT	CS	6.187 / 5.750	50470	Pressurizer Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. W-X Quadrant.
Circumferential	Class 1	B&W149771E						
						Nozzle to Shell		
O2.B3.110.0006								B03.110.006
2-PZR-WP26-4	50	ISI-OCN2-002	NDE-820	UT	CS	6.187 / 5.750	40338	Pressurizer Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. W-X Quadrant.
Circumferential	Class 1	OM-1201-456 B&W149771E						
						Nozzle to Shell		
O2.B3.110.0006								B03.110.006
2-PZR-WP26-4	50	ISI-OCN2-002	NDE-640	UT	CS	6.187 / 5.750	40338	Pressurizer Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. W-X Quadrant.
Circumferential	Class 1	OM-1201-456 B&W149771E						
						Nozzle to Shell		
O2.B3.110.0007								B03.110.007
2-PZR-WP26-5	50	ISI-OCN2-002	NDE-820	UT	CS	6.187 / 5.750	40338	Pressurizer Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. Y-Z Quadrant.
Circumferential	Class 1	OM-1201-456 B&W149771E						
						Nozzle to Shell		
O2.B3.110.0007								B03.110.007
2-PZR-WP26-5	50	ISI-OCN2-002	NDE-640	UT	CS	6.187 / 5.750	40338	Pressurizer Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. Y-Z Quadrant.
Circumferential	Class 1	OM-1201-456 B&W149771E						
						Nozzle to Shell		
O2.B3.110.0008								B03.110.008
2-PZR-WP26-6	50	ISI-OCN2-002	NDE-640	UT	CS	6.187 / 5.750	40338	Pressurizer Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. Z-W Quadrant.
Circumferential	Class 1	OM-1201-456 B&W149771E						
						Nozzle to Shell		

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks	Comments / Historical Data
Category B-D								
O2.B3.110.0008								B03.110.008
2-PZR-WP26-6	50	ISI-OCN2-002	NDE-820	UT	CS	6.187 / 5.750	40338	Pressurizer Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. Z-W Quadrant.
Circumferential	Class 1	OM-1201-456						
		B&W149771E						
						Nozzle to Shell		
O2.B3.120.0001								B03.120.001
2-PZR-WP15	50	ISI-OCN2-002	NDE-3620	UT	CS	4.750 / 13.250	40394	Pressurizer Surge Nozzle Pc. 8 to Lower Head Pc. 6. (Inside Radius Section)
	Class 1	B&W149768E						
						Nozzle to Head		
O2.B3.120.0006								B03.120.006
2-PZR-WP26-4	50	ISI-OCN2-002	NDE-680	UT	CS	2.531 / 5.750	40338	Pressurizer Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. W-X Quadrant. (Inside Radius Section)
		B&W149771E					50237E	
	Class 1							
						Nozzle to Shell		
O2.B3.120.0007								B03.120.007
2-PZR-WP26-5	50	ISI-OCN2-002	NDE-680	UT	CS	2.531 / 5.750	40338	Pressurizer Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. Y-Z Quadrant. (Inside Radius Section)
		B&W149771E					50237E	
	Class 1							
						Nozzle to Shell		
O2.B3.120.0008								B03.120.008
2-PZR-WP26-6	50	ISI-OCN2-002	NDE-680	UT	CS	2.531 / 5.750	40338	Pressurizer Sampling Nozzle Pc. 30 to Upper Shell Course Pc. 1. Z-W Quadrant. (Inside Radius Section)
		B&W149771E					50237E	
	Class 1							
						Nozzle to Shell		
Category B-G-1								
O2.B6.40.0001								B06.040.001
2-RPV-LIGAMENTS	50	B&W151997E	NDE-640	UT	CS	12.500 / 200.000	40387	Reactor Vessel Flange Threads. Stud Holes 1 Thru 60.
	Class 1							

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category B-G-2									
O2.B7.50.0005									----
2HP-217-2A1-FLG	51A Class 1	2HP-217 O-ISIN4-101A-2.4	NDE-62	VT-1	CS		0.000 / 1.000		Flange Bolting on 2.5 inch piping flange located on the 2A1 HPI line. Flange is located on weld iso 2HP-217.
						Class 1 Bolting (B-G-2)			
O2.B7.50.0006									----
2HP-216-2A2-FLG	51A Class 1	2HP-216 O-ISIN4-101A-2.4	NDE-62	VT-1	CS		0.000 / 1.000		Flange Bolting on 2.5 inch piping flange located on the 2A2 HPI line. Flange is located on weld iso 2HP-216.
						Class 1 Bolting (B-G-2)			
O2.B7.50.0007									----
2HP-214-2B1-FLG	51A Class 1	2HP-214 O-ISIN4-101A-2.4	NDE-62	VT-1	CS		0.000 / 1.000		Flange Bolting on 2.5 inch piping flange located on the 2B1 HPI line. Flange is located on weld iso 2HP-214.
						Class 1 Bolting (B-G-2)			
O2.B7.50.0008									----
2HP-218-2B2-FLG	51A Class 1	2HP-218 O-ISIN4-101A-2.4	NDE-62	VT-1	CS		0.000 / 1.000		Flange Bolting on 2.5 inch piping flange located on the 2B2 HPI line. Flange is located on weld iso 2HP-218.
						Class 1 Bolting (B-G-2)			

Summary Num Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **B-J**									
O2.B9.11.0002									B09.011.002, B09.011.002A
2-PSL-9	50	ISI-OCN2-015	NDE-35	PT	SS		1.000 / 10.000		Pressurizer Surge Piping. Elbow Pc. 80 to Pipe Pc. 85. 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. Weld 2-PSL-9 was examined during 2EOC-22(outage 2) and was limited due to weld overlay performed on an adjoining weld. The examinations on weld 2-PSL-9 during 2EOC-23 will be performed in order to achieve the required coverage (> than 90%). Phased Array UT or RT may be options or a UT examination using PDI-UT-2 or NDE-660 may be performed if some of the Weld Overlay is removed from the examination area for weld 2-PSL-9. We don't know until summer of 2008 whether we can UT using Phased Array; therefore we are scheduling both RT and UT exams for 2EOC-23. It is our intent not to perform RT if we can perform phased array UT. For Code percentage purposes, in outage 2EOC-22, Partial credit (½ credit) was taken for weld 2-PSL-9 and in outage 2EOC-23, ½ credit will be taken for which ever exam (UT or RT) is performed on this weld.
Circumferential	Class 1	O-ISIN4-100A-2.2							
Stress Weld									
									Elbow to Pipe

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category B-J									
O2.B9.11.0002									B09.011.002, B09.011.002A
2-PSL-9	50	ISI-OCN2-015	PDI-UT-2	UT	SS		1.000 / 10.000	Component	Pressurizer Surge Piping. Elbow Pc. 80 to Pipe Pc. 85. 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. Weld 2-PSL-9 was examined during 2EOC-22(outage 2) and was limited due to weld overlay performed on an adjoining weld. The examinations on weld 2-PSL-9 during 2EOC-23 will be performed in order to achieve the required coverage (> than 90%). Phased Array UT or RT may be options or a UT examination using PDI-UT-2 or NDE-660 may be performed if some of the Weld Overlay is removed from the examination area for weld 2-PSL-9. We don't know until summer of 2008 whether we can UT using Phased Array; therefore we are scheduling both RT and UT exams for 2EOC-23. It is our intent not to perform RT if we can perform phased array UT. For Code percentage purposes, in outage 2EOC-22, Partial credit (½ credit) was taken for weld 2-PSL-9 and in outage 2EOC-23, ½ credit will be taken for which ever exam (UT or RT) is performed on this weld.
		O-ISIN4-100A-2.2						PDI-UT-2-O	
Circumferential	Class 1								
Stress Weld									
						Elbow to Pipe			
O2.B9.11.0022									B09.011.022, B09.011.022A
2RC-279-92V	50	ISI-OCN2-006	NDE-25	MT	CS		3.500 / 36.000		Steam Generator 2B Inlet Nozzle to Hot Leg. Weld 92V is listed on weld iso 2RC-279 but drawing ISI-OCN2-006 is listed as the iso to show where the weld is located on the 2B Hot Leg Piping Loop.
Circumferential	Class 1	2RC-279							
		O-ISIN4-100A-2.1							
Terminal End									
						Nozzle to Pipe			
O2.B9.11.0022									B09.011.022, B09.011.022A
2RC-279-92V	50	ISI-OCN2-006	NDE-600	UT	CS		3.500 / 36.000	Component	Steam Generator 2B Inlet Nozzle to Hot Leg. Weld 92V is listed on weld iso 2RC-279 but drawing ISI-OCN2-006 is listed as the iso to show where the weld is located on the 2B Hot Leg Piping Loop.
Circumferential	Class 1	2RC-279							
		O-ISIN4-100A-2.1							
Terminal End									
						Nozzle to Pipe			

Summary Num *Component ID / Type*	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **B-J**									
O2.B9.11.0029									B09.011.029, B09.011.029A
2SGB-W2	50	ISI-OCN2-010	NDE-25	MT	CS		3.500 / 33.500		Steam Generator 2B Outlet Nozzle to Pump 2B2 Suction Piping.
Circumferential	Class 1	OM 201.S--0033.001							Weld 2SGB-W2 is listed on drawing
		O-ISIN4-100A-2.1							OM 201.S--0033.001 but drawing ISI-OCN2-010 is listed as the iso to show where the weld is located on the 2B2 Suction Piping Loop.
Terminal End									
						Nozzle to Pipe			
O2.B9.11.0029									B09.011.029, B09.011.029A
2SGB-W2	50	ISI-OCN2-010	NDE-600	UT	CS		3.500 / 33.500	Component	Steam Generator 2B Outlet Nozzle to Pump 2B2 Suction Piping.
Circumferential	Class 1	OM 201.S--0033.001							Weld 2SGB-W2 is listed on drawing
		O-ISIN4-100A-2.1							OM 201.S--0033.001 but drawing ISI-OCN2-010 is listed as the iso to show where the weld is located on the 2B2 Suction Piping Loop.
Terminal End									
						Nozzle to Pipe			
O2.B9.11.0036									B09.011.036, B09.011.036A
2-PSL-1	50	ISI-OCN2-015	NDE-35	PT	SS		1.000 / 10.000		Pressurizer Surge Piping.
Circumferential	Class 1	O-ISIN4-100A-2.2							Surge Nozzle Safe End
									Pc. 37 to Elbow Pc. 80. 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.
Stress Weld									
Terminal End									
						Safe End to Elbow			
O2.B9.11.0036									B09.011.036, B09.011.036A
2-PSL-1	50	ISI-OCN2-015	PDI-UT-2	UT	SS		1.000 / 10.000	Component	Pressurizer Surge Piping.
		O-ISIN4-100A-2.2						PDI-UT-2-O	Surge Nozzle Safe End
Circumferential	Class 1								Pc. 37 to Elbow Pc. 80. 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.
Stress Weld									
Terminal End									
						Safe End to Elbow			

Summary Num Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **B-J**									
O2.B9.11.0059									B09.011.059, B09.011.059A
2-PDB1-1	50	ISI-OCN2-013	NDE-35	PT	SS		2.330 / 33.500		Reactor Coolant Pump 2B1 Discharge Piping. RCP 2B1 Casing to Safe End Pc. 49. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Procedure NDE-830 and either Cal Block 50386 or Cal Block 50214 are to be used only for a supplemental UT performed from the pump side. The supplemental exam is being performed as requested by Jim McArdle which will be used to justify limited coverage from the code exam (performed using NDE-600 or PDI-UT-2).
Circumferential	Class 1	OM-1201-966							
Stress Weld									
Terminal End									
							Casing to Safe End		
O2.B9.11.0059									B09.011.059, B09.011.059A
2-PDB1-1	50	ISI-OCN2-013 OM-1201-966	NDE-600	UT	SS		2.330 / 33.500	Component 40397 50386	Reactor Coolant Pump 2B1 Discharge Piping. RCP 2B1 Casing to Safe End Pc. 49. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Procedure NDE-830 and either Cal Block 50386 or Cal Block 50214 are to be used only for a supplemental UT performed from the pump side. The supplemental exam is being performed as requested by Jim McArdle which will be used to justify limited coverage from the code exam (performed using NDE-600 or PDI-UT-2).
Circumferential	Class 1								
Stress Weld									
Terminal End									
							Casing to Safe End		
O2.B9.11.0059									B09.011.059, B09.011.059A
2-PDB1-1	50	ISI-OCN2-013 OM-1201-966	NDE-830	UT	SS		2.330 / 33.500	Component 40397 50214	Reactor Coolant Pump 2B1 Discharge Piping. RCP 2B1 Casing to Safe End Pc. 49. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. Procedure NDE-830 and either Cal Block 50386 or Cal Block 50214 are to be used only for a supplemental UT performed from the pump side. The supplemental exam is being performed as requested by Jim McArdle which will be used to justify limited coverage from the code exam (performed using NDE-600 or PDI-UT-2).
Circumferential	Class 1								
Stress Weld									
Terminal End									
							Casing to Safe End		

Summary Num Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **B-J**								
O2.B9.11.0060								B09.011.060, B09.011.060A
2-PDB1-3	50	ISI-OCN2-013	NDE-25	MT	CS	2.330 / 33.500		Reactor Coolant Pump 2B1 Discharge Piping. Elbow Pc. 53 to Pipe Pc. 44. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
Circumferential	Class 1	OM-1201-966						
Stress Weld								
						Elbow to Pipe		
O2.B9.11.0060								B09.011.060, B09.011.060A
2-PDB1-3	50	ISI-OCN2-013	NDE-600	UT	CS	2.330 / 33.500	Component 40350	Reactor Coolant Pump 2B1 Discharge Piping. Elbow Pc. 53 to Pipe Pc. 44. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
		OM-1201-966						
Circumferential	Class 1							
Stress Weld								
						Elbow to Pipe		
O2.B9.11.0061								B09.011.061, B09.011.061A
2RC-279-94V	50	ISI-OCN2-010	NDE-25	MT	CS	3.500 / 33.500		Reactor Coolant Pump 2B2 Suction Piping. Pipe to Elbow Pc. 45. Weld 94V is listed on weld iso 2RC-279 but drawing ISI-OCN2-010 is listed as the iso to show where the weld is located on the 2B2 Suction Piping Loop. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
Circumferential	Class 1	2RC-279						
		O-ISIN4-100A-2.1						
Stress Weld								
						Pipe to Elbow		
O2.B9.11.0061								B09.011.061, B09.011.061A
2RC-279-94V	50	ISI-OCN2-010	NDE-600	UT	CS	3.500 / 33.500	Component	Reactor Coolant Pump 2B2 Suction Piping. Pipe to Elbow Pc. 45. Weld 94V is listed on weld iso 2RC-279 but drawing ISI-OCN2-010 is listed as the iso to show where the weld is located on the 2B2 Suction Piping Loop. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
Circumferential	Class 1	2RC-279						
		O-ISIN4-100A-2.1						
Stress Weld								
						Pipe to Elbow		

Summary Num / *Component ID / Type*	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **B-J**									
O2.B9.11.0066									B09.011.102, B09.011.102A
2-51A-30-1	51A	2-51A-30	NDE-35	PT	SS		0.531 / 4.000		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.
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Valve 2HP-194 to Pipe			
O2.B9.11.0066									B09.011.102, B09.011.102A
2-51A-30-1	51A	2-51A-30	NDE-600	UT	SS		0.531 / 4.000	Component PDI-UT-2-O	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.
		O-ISIN4-101A-2.4							
Circumferential	Class 1								
						Valve 2HP-194 to Pipe			
O2.B9.21.0001									B09.021.001
2-50-7-8	50	2-50-7 (2)	NDE-35	PT	SS-Inconel		0.281 / 1.500		Reactor Coolant Pump 2B2 Suction Drain Piping. Code Case N-624
Circumferential	Class 1	O-ISIN4-100A-2.1							
Dissimilar									
						Elbow to Nozzle			
O2.B9.21.0002									B09.021.002
2-50-7-14	50	2-50-7 (1)	NDE-35	PT	SS-Inconel		0.281 / 1.500		Reactor Coolant Pump 2A2 Suction Drain Piping. Code Case N-624
Circumferential	Class 1	O-ISIN4-100A-2.1							
Dissimilar									
Stress Weld									
						Nozzle to Elbow			
O2.B9.21.0003									B09.021.003
2-50-7-29	50	2-50-7 (1)	NDE-35	PT	SS-Inconel		0.281 / 1.500		Reactor Coolant Pump 2A1 Suction Drain Piping. Code Case N-624
Circumferential	Class 1	O-ISIN4-100A-2.1							
Dissimilar									
Stress Weld									
						Nozzle to Elbow			
O2.B9.21.0006									B09.021.006
2-PDB1-11	50	ISI-OCN2-013	NDE-35	PT	SS-CS		0.750 / 3.500		Reactor Coolant Pump 2B1 Discharge Piping. Nozzle Pc. 46 to Safe End Pc. 47. This weld was cut out and welded back in EOC-20. The new weld is also listed as weld 16 on rev . 8 of iso 2RC-202.
Circumferential	Class 1	B&W146829E							
Dissimilar									
Stress Weld									
						Nozzle to Safe End			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category B-J									
O2.B9.21.0012									B09.021.012
2-PSP-11	50	ISI-OCN2-016	NDE-35	PT	SS		0.375 / 2.500		Pressurizer Spray Piping. Tee Pc. 106 to Valve Pc. 111.
Circumferential	Class 1	O-ISIN4-100A-2.2							
Stress Weld									
						Tee to Valve 2RC-001			
O2.B9.21.0013									B09.021.013
2-PSP-13	50	ISI-OCN2-016	NDE-35	PT	SS		0.375 / 2.500		Pressurizer Spray Piping. Pipe Pc. 92 to Elbow Pc. 98.
Circumferential	Class 1	O-ISIN4-100A-2.2							
Stress Weld									
						Pipe to Elbow			
O2.B9.21.0023									B09.021.023
2-PSP-22	50	ISI-OCN2-016	NDE-35	PT	SS		0.375 / 2.500		Pressurizer Spray Piping. Pipe Pc. 93 to Pressurizer Spray Nozzle Pc. 51.
Circumferential	Class 1	O-ISIN4-100A-2.2							
Stress Weld									
						Pipe to Nozzle			
O2.B9.21.0024									B09.021.101
2-51A-144-24	51A	2-51A-144	NDE-35	PT	SS		0.438 / 3.000		Letdown Cooler 2B. Inlet Nozzle to Elbow Weld.
Circumferential	Class 1	O-ISIN4-101A-2.1							
Terminal End									
						Elbow to Nozzle			
O2.B9.21.0025									B09.021.102
2-51A-145-1	51A	2-51A-145	NDE-35	PT	SS		0.438 / 3.000		Letdown Cooler 2B. Outlet Nozzle to Elbow Weld.
Circumferential	Class 1	O-ISIN4-101A-2.1							
Terminal End									
						Nozzle to Elbow			
O2.B9.21.0040									B09.021.117
2RC-204-20	51A	2RC-204	NDE-35	PT	SS		0.375 / 2.500		This weld was listed previously as 2-51A-39-46 until iso 2-51A-39 was redrawn as 2RC-204 and was given weld number 2RC-204-3. Revision 4 to this iso. deleted weld 3 and reassigned weld number 20 for this weld. Inspect with Item Number G02.001.010A.
Circumferential	Class 1	O-ISIN4-101A-2.4							
Stress Weld									
						Pipe to Valve 2HP-127			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category B-J									
O2.B9.21.0050									B09.021.127
2-51A-30-32	51A	2-51A-30	NDE-35	PT	SS		0.375 / 2.500		
Circumferential	Class 1	O-ISIN4-101A-2.4							
						Reducer to Pipe			
O2.B9.21.0053									B09.021.130
2-51A-35-24	51A	2-51A-35 (1)	NDE-35	PT	SS		0.375 / 2.500		
Circumferential	Class 1	O-ISIN4-101A-2.1							
						Elbow to Pipe			
O2.B9.31.0001									B09.031.001, B09.031.001A
2-PHB-16	50	ISI-OCN2-006	NDE-25	MT	CS		2.875 / 23.000		Steam Generator 2B Hot Leg to Reactor Vessel. Pressurizer Surge Nozzle Pc. 25 to Pipe Pc. 32. NPS of Branch Piping is 10 inches. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
Branch	Class 1	B&W149768E							
Stress Weld									
						Nozzle to Pipe			
O2.B9.31.0001									B09.031.001, B09.031.001A
2-PHB-16	50	ISI-OCN2-006 B&W149768E	PDI-UT-1	UT	CS		2.875 / 23.000	Component 40350	Steam Generator 2B Hot Leg to Reactor Vessel. Pressurizer Surge Nozzle Pc. 25 to Pipe Pc. 32. NPS of Branch Piping is 10 inches. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
Branch	Class 1								
Stress Weld									
						Nozzle to Pipe			
O2.B9.31.0002									B09.031.002, B09.031.002A
2-PHA-16	50	ISI-OCN2-005 B&W146330E	NDE-600	UT	CS		2.875 / 25.000	Component 40350	Steam Generator 2A Hot Leg to Reactor Vessel. Decay Heat Nozzle Pc. 34 to Pipe Pc. 32. NPS of Branch Piping is 12 inches. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. MT or PT or a combination of the two methods together are exceptable to meet the surface examination requirements.
Branch	Class 1								
Stress Weld									
						Nozzle to Pipe			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data	
Category B-K										
O2.B10.10.0013										B10.010.013
2-LDCB-SUPPORT		OM-201-3107	NDE-25	MT	CS		0.000 / 0.000		Letdown Cooler 2B Support.	
	Class 1	O-ISIN4-101A-2.1								
		1-34097-2								
						Pc.12 to Casing Shell Pc.8				
Category B-L-1										
O2.B12.10.0001										B12.010.001
2RCP-2A1	50	ISI-OCN2-007	NDE-65	VT-1	SS		0.000 / 68.000		Reactor Coolant Pump 2A1 Casing Weld.	
Circumferential	Class 1	OM-1201D-0005								
		OM-1201-0001								
						Casing to Casing				
Category C-A										
O2.C1.10.0003										C01.010.003
2-LDFTRA-SH-FL	51B	OM-201-0128	NDE-35	PT	SS		0.109 / 0.000		Letdown Filter 2A.	
Circumferential	Class 2	O-ISIN4-101A-2.2								
		OM 201-129								
						Shell to Flange				
O2.C1.20.0003										C01.020.001
2-LDFTRA-HD-SH-1	51B	OM-201-0128	NDE-35	PT	SS		0.187 / 0.000		Letdown Filter 2A.	
Circumferential	Class 2	O-ISIN4-101A-2.2								
		OM 201.129								
						Upper Head to Shell				
O2.C1.20.0004										C01.020.002
2-LDFTRA-HD-SH-2	51B	OM-201-0128	NDE-35	PT	SS		0.187 / 0.000		Letdown Filter 2A.	
Circumferential	Class 2	O-ISIN4-101A-2.2								
		OM 201-129								
						Lower Head to Shell				
O2.C1.20.0005										C01.020.003
2-LST-HD-SH-1	51A	OM 201-63	NDE-3630	UT	SS		0.375 / 96.000	50469	Letdown Storage Tank Upper Head to Shell.	
Circumferential	Class 2	O-ISIN4-101A-2.2								
		OM 201-64								
						Head to Shell				
O2.C1.20.0006										C01.020.004
2-LST-HD-SH-2	51A	OM 201-63	NDE-3630	UT	SS		0.375 / 96.000	50469	Letdown Storage Tank Lower Head to Shell.	
Circumferential	Class 2	O-ISIN4-101A-2.2								
		OM 201-64								
						Head to Shell				

Summary Num Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **C-C**									
O2.C3.10.0003									C03.010.001
2-LDFTR-A	51A	OM-201-0128	NDE-35	PT	NA		0.250 / 0.000		Letdown Filter 2A Support Leg Attachments (3 legs). Only required to inspect one of the attachments, inspector shall identify which attachment was examined for successive interval exams.
	Class 2	O-ISIN4-101A-2.1							
O2.C3.10.0005									C03.010.002
2-LS-TANK	51B	OM 201-63	NDE-35	PT	SS		0.500 / 0.000		Letdown Storage Tank (4 Support Legs)
	Class 2	O-ISIN4-101A-2.2							
						Plate to Shell			
O2.C3.20.0008									C03.020.014
2-03-0-1479A-H1B	03	0-1490B-2(S)	NDE-25	MT	NA		0.280 / 14.000		Calculation No. OSC-1316-06(Vol. A). Inspect with F01.020.011.
Rigid Support	Class 2	O-ISIN4-121B-2.3							
		2-03-06/sht.3							
O2.C3.20.0010									C03.020.022
2-14B-0-1479A-H1	14B	2-14-14/sht.1	NDE-25	MT	NA		0.216 / 6.000		Calculation No. OSC-1325-06. Inspect with F01.021.026.
Rigid Restraint	Class 2	O-ISIN4-124B-2.2							
O2.C3.20.0012									C03.020.024
2-14B-0-1479A-H2	14B	2-14-13/sht.1	NDE-25	MT	NA		0.216 / 8.000		Calculation No. OSC-1325-06. Inspect with F01.021.025.
Rigid Restraint	Class 2	O-ISIN4-124B-2.2							
O2.C3.20.0030									C03.020.052
2-54A-3-0-1439B-H13	54A	2-54-03/sht.1	NDE-35	PT	NA		0.125 / 8.000		Calculation No. OSC-496. Inspect with F01.021.071.
Rigid Restraint	Class 2	O-ISIN4-103A-2.1							
O2.C3.20.0033									C03.020.055
2-54A-3-0-1439B-H15	54A	2-54-03/sht.1	NDE-35	PT	NA		0.125 / 8.000		Calculation No. OSC-496. Inspect with F01.020.094.
Rigid Support	Class 2	O-ISIN4-103A-2.1							

Summary Num Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **C-F-1**									
O2.C5.11.0004									C05.011.004, C05.011.004A
2LP-148-90	53A	2LP-148	NDE-35	PT	SS	160	0.000 / 12.000		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 previously listed as 2-53A-8-19 until iso 2-53A-8(1) was redrawn. This weld was previously listed as 2LP-148-19 before it was deleted and remade as 2LP-148-90. (C05.011.004A) Note that the ID of the 12" end of the 12"x10" reducer is machined to 10.413" plus/minus .010". (Ref. isometric 2LP-148).
Circumferential	Class 2	O-ISIN4-102A-2.2							
							Reducer to Valve 2LP-18 (forged)		
O2.C5.11.0004									C05.011.004, C05.011.004A
2LP-148-90	53A	2LP-148	NDE-600	UT	SS	160	0.000 / 12.000	Component	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 previously listed as 2-53A-8-19 until iso 2-53A-8(1) was redrawn. This weld was previously listed as 2LP-148-19 before it was deleted and remade as 2LP-148-90. (C05.011.004A) Note that the ID of the 12" end of the 12"x10" reducer is machined to 10.413" plus/minus .010". (Ref. isometric 2LP-148).
		O-ISIN4-102A-2.2						PDI-UT-2-O	
Circumferential	Class 2								
							Reducer to Valve 2LP-18 (forged)		
O2.C5.11.0006									C05.011.006, C05.011.006A
2LP-150-36	53A	2LP-150	NDE-35	PT	SS		1.125 / 10.000		Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-53A-9-36 until iso 2-53A-9 was redrawn.
Circumferential	Class 2	O-ISIN4-102A-2.3							
							Pipe to Elbow		
O2.C5.11.0006									C05.011.006, C05.011.006A
2LP-150-36	53A	2LP-150	NDE-600	UT	SS		1.125 / 10.000	Component	Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-53A-9-36 until iso 2-53A-9 was redrawn.
		O-ISIN4-102A-2.3						PDI-UT-2-O	
Circumferential	Class 2								
							Pipe to Elbow		

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category **C-F-1**									
O2.C5.11.0007									C05.011.007, C05.011.007A
2LP-150-37	53A	2LP-150	NDE-35	PT	SS		1.125 / 10.000		Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-53A-9-37 until iso 2-53A-9 was redrawn.
Circumferential	Class 2	O-ISIN4-102A-2.3							
						Pipe to Elbow			
O2.C5.11.0007									C05.011.007, C05.011.007A
2LP-150-37	53A	2LP-150	NDE-600	UT	SS		1.125 / 10.000	Component	Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-53A-9-37 until iso 2-53A-9 was redrawn.
		O-ISIN4-102A-2.3						PDI-UT-2-O	
Circumferential	Class 2								
						Pipe to Elbow			
O2.C5.11.0008									C05.011.008, C05.011.008A
2LP-150-38	53A	2LP-150	NDE-35	PT	SS		1.125 / 10.000		Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-53A-9-38 until iso 2-53A-9 was redrawn.
Circumferential	Class 2	O-ISIN4-102A-2.3							
						Pipe to Elbow			
O2.C5.11.0008									C05.011.008, C05.011.008A
2LP-150-38	53A	2LP-150	NDE-600	UT	SS		1.125 / 10.000	Component	Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-53A-9-38 until iso 2-53A-9 was redrawn.
		O-ISIN4-102A-2.3						PDI-UT-2-O	
Circumferential	Class 2								
						Pipe to Elbow			
O2.C5.11.0017									C05.011.017, C05.011.017A
2LP-189-12	53A	2LP-189	NDE-35	PT	SS		1.000 / 10.000		Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-53A-8-12 on iso 2-53A-8(1) until it was transferred to iso 2LP-189.
Circumferential	Class 2	O-ISIN4-102A-2.2							
						Pipe to Elbow			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category C-F-1									
O2.C5.11.0017									C05.011.017, C05.011.017A
2LP-189-12	53A	2LP-189	NDE-600	UT	SS		1.000 / 10.000	Component	Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-53A-8-12 on iso 2-53A-8(1) until it was transferred to iso 2LP-189.
		O-ISIN4-102A-2.2						PDI-UT-2-O	
Circumferential	Class 2								
						Pipe to Elbow			
O2.C5.11.0029									C05.011.029, C05.011.029A
2-53A-9-7	53A	2-53A-9	NDE-35	PT	SS		1.000 / 10.000		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.
Circumferential	Class 2	O-ISIN4-102A-2.2							
						Pipe to Elbow			
O2.C5.11.0029									C05.011.029, C05.011.029A
2-53A-9-7	53A	2-53A-9	NDE-600	UT	SS		1.000 / 10.000	Component	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.
		O-ISIN4-102A-2.2						PDI-UT-2-O	
Circumferential	Class 2								
						Pipe to Elbow			
O2.C5.11.0030									C05.011.030, C05.011.030A
2-53A-9-8	53A	2-53A-9	NDE-35	PT	SS		1.000 / 10.000		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.
Circumferential	Class 2	O-ISIN4-102A-2.2							
						Pipe to Elbow			
O2.C5.11.0030									C05.011.030, C05.011.030A
2-53A-9-8	53A	2-53A-9	NDE-600	UT	SS		1.000 / 10.000	Component	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.
		O-ISIN4-102A-2.2						PDI-UT-2-O	
Circumferential	Class 2								
						Pipe to Elbow			
O2.C5.11.0031									C05.011.031, C05.011.031A
2-53A-9-9	53A	2-53A-9	NDE-35	PT	SS		1.000 / 10.000		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.
Circumferential	Class 2	O-ISIN4-102A-2.2							
						Pipe to Elbow			

Summary Num Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks	Comments / Historical Data
Category C-F-1								
O2.C5.11.0031								C05.011.031, C05.011.031A
2-53A-9-9	53A	2-53A-9	PDI-UT-2	UT	SS	1.000 / 10.000	Component	Procedure NDE-600 uses the component for
		O-ISIN4-102A-2.2					PDI-UT-2-O	calibration. Procedure PDI-UT-2 may be used in lieu of
Circumferential	Class 2							procedure NDE-600. If PDI-UT-2 is used, then the
						Pipe to Elbow		calibration block listed shall be used.
O2.C5.11.0032								C05.011.032, C05.011.032A
2LP-189-11	53A	2LP-189	NDE-35	PT	SS	1.000 / 10.000		Procedure NDE-600 uses the component for
Circumferential	Class 2	O-ISIN4-102A-2.2						calibration. Procedure PDI-UT-2 may be used in lieu of procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-53A-8-11 on iso 2-53A-8(1) until it was transferred to iso 2LP-189.
						Pipe to Elbow		
O2.C5.11.0032								C05.011.032, C05.011.032A
2LP-189-11	53A	2LP-189	NDE-600	UT	SS	1.000 / 10.000	Component	Procedure NDE-600 uses the component for
		O-ISIN4-102A-2.2					PDI-UT-2-O	calibration. Procedure PDI-UT-2 may be used in lieu of
Circumferential	Class 2							procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used. This weld was listed previously as 2-53A-8-11 on iso 2-53A-8(1) until it was transferred to iso 2LP-189.
						Pipe to Elbow		
O2.C5.11.0072								C05.011.072, C05.011.072A
2LPS-724-14	14B	2LPS-724	NDE-35	PT	SS	0.432 / 6.000		Procedure NDE-600 uses the component for
Circumferential	Class 2	O-ISIN4-124B-2.2						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.
						Pipe to Elbow		
O2.C5.11.0072								C05.011.072, C05.011.072A
2LPS-724-14	14B	2LPS-724	NDE-600	UT	SS	0.432 / 6.000	Component	Procedure NDE-600 uses the component for
		O-ISIN4-124B-2.2					PDI-UT-2-O	calibration. Procedure PDI-UT-2 may be used in lieu of
Circumferential	Class 2							procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.
						Pipe to Elbow		
O2.C5.11.0073								C05.011.073, C05.011.073A
2LPS-724-15	14B	2LPS-724	NDE-35	PT	SS	0.432 / 6.000		Procedure NDE-600 uses the component for
Circumferential	Class 2	O-ISIN4-124B-2.2						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.
						Elbow to Pipe		

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category C-F-1									
O2.C5.11.0073									C05.011.073, C05.011.073A
2LPS-724-15	14B	2LPS-724	NDE-600	UT	SS		0.432 / 6.000	Component	Procedure NDE-600 uses the component for
		O-ISIN4-124B-2.2						PDI-UT-2-O	calibration. Procedure PDI-UT-2 may be used in lieu of
Circumferential	Class 2								procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.
						Elbow to Pipe			
O2.C5.21.0003									C05.021.003, C05.021.003A
2-RCP-FTR2B-SH-1	51A	2-51A-28(1)	NDE-12	RT	SS		0.531 / 4.000		Reactor Coolant Pump Seal Supply Filter 2B. Pc. 10 to
Circumferential	Class 2	OM-201-0473							Pc. 1. -- (C05.021.003) Remove filter from housing to
		O-ISIN4-101A-2.4							insure the system is drained prior to performing RT.
Terminal End									
						Filter Hub to Filter Housing			
O2.C5.21.0003									C05.021.003, C05.021.003A
2-RCP-FTR2B-SH-1	51A	2-51A-28(1)	NDE-35	PT	SS		0.531 / 4.000		Reactor Coolant Pump Seal Supply Filter 2B. Pc. 10 to
Circumferential	Class 2	OM-201-0473							Pc. 1. -- (C05.021.003) Remove filter from housing to
		O-ISIN4-101A-2.4							insure the system is drained prior to performing RT.
Terminal End									
						Filter Hub to Filter Housing			
O2.C5.21.0004									C05.021.004, C05.021.004A
2-RCP-FTR2B-SH-2	51A	2-51A-28(1)	NDE-35	PT	SS		0.531 / 4.000		Reactor Coolant Pump Seal Supply Filter 2B. Pc. 10 to
Circumferential	Class 2	OM-201-0473							Pc. 1. -- (C05.021.004) Remove filter from housing to
		O-ISIN4-101A-2.4							insure the system is drained prior to performing RT.
Terminal End									
						Filter Hub to Filter Housing			
O2.C5.21.0021									C05.021.029, C05.021.029A
2-51A-17-147	51A	2-51A-17 (7)	NDE-35	PT	SS		0.531 / 4.000		Procedure NDE-600 uses the component for
Circumferential	Class 2	O-ISIN4-101A-2.3							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.
						Valve 2HP-148 to Elbow			
O2.C5.21.0021									C05.021.029, C05.021.029A
2-51A-17-147	51A	2-51A-17 (7)	NDE-600	UT	SS		0.531 / 4.000	Component	Procedure NDE-600 uses the component for
		O-ISIN4-101A-2.3						PDI-UT-2-O	calibration. Procedure PDI-UT-2 may be used in lieu of
Circumferential	Class 2								procedure NDE-600. If PDI-UT-2 is used, then the calibration block listed shall be used.
						Valve 2HP-148 to Elbow			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category C-F-1									
O2.C5.21.0022									C05.021.030, C05.021.030A
2-51A-17-158	51A	2-51A-17 (7)	NDE-35	PT	SS		0.531 / 4.000		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.
Circumferential	Class 2	O-ISIN4-101A-2.3							
						Elbow to Elbow			
O2.C5.21.0022									C05.021.030, C05.021.030A
2-51A-17-158	51A	2-51A-17 (7)	NDE-600	UT	SS		0.531 / 4.000	Component	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.
		O-ISIN4-101A-2.3						PDI-UT-2-O	
Circumferential	Class 2								
						Elbow to Elbow			
O2.C5.21.0023									C05.021.031, C05.021.031A
2-51A-27-25	51A	2-51A-27 (1)	NDE-35	PT	SS		0.531 / 4.000		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.
Circumferential	Class 2	O-ISIN4-101A-2.4							
						Elbow to Pipe			
O2.C5.21.0023									C05.021.031, C05.021.031A
2-51A-27-25	51A	2-51A-27 (1)	NDE-600	UT	SS		0.531 / 4.000	Component	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.
		O-ISIN4-101A-2.4						PDI-UT-2-O	
Circumferential	Class 2								
						Elbow to Pipe			
O2.C5.21.0024									C05.021.032, C05.021.032A
2HP-220-9	51A	2HP-220	NDE-35	PT	SS		0.674 / 4.000		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-27-41AA until iso 2-51A-27(1) was redrawn.
Circumferential	Class 2	O-ISIN4-101A-2.4							
						Valve 2HP-27 to Pipe			
O2.C5.21.0024									C05.021.032, C05.021.032A
2HP-220-9	51A	2HP-220	NDE-600	UT	SS		0.674 / 4.000	Component	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-27-41AA until iso 2-51A-27(1) was redrawn.
		O-ISIN4-101A-2.4						PDI-UT-2-O	
Circumferential	Class 2								
						Valve 2HP-27 to Pipe			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category C-F-1									
O2.C5.21.0025									C05.021.033, C05.021.033A
2HP-220-14	51A	2HP-220	NDE-35	PT	SS		0.674 / 4.000		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-27-41C until iso 2-51A-27(1) was redrawn.
Circumferential	Class 2	O-ISIN4-101A-2.4							
						Tee to Pipe			
O2.C5.21.0025									C05.021.033, C05.021.033A
2HP-220-14	51A	2HP-220	NDE-600	UT	SS		0.674 / 4.000	Component	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-27-41C until iso 2-51A-27(1) was redrawn.
		O-ISIN4-101A-2.4						PDI-UT-2-O	
Circumferential	Class 2								
						Tee to Pipe			
O2.C5.30.0002									C05.030.002
2-51B-23-64	51B	2-51B-23	NDE-35	PT	SS		0.154 / 2.000		
Socket	Class 2	O-ISIN4-101A-2.2							
						Pipe to Valve 2HP136			
Category C-F-2									
O2.C5.51.0001									C05.051.001, C05.051.001A
2MS-133-17	01A	2MS-133	NDE-25	MT	CS		1.164 / 36.000		Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. This weld was listed previously as 2-01A-4-17 on iso 2-01A-4(1) until it was transferred to iso 2MS-133.
Circumferential	Class 2	O-ISIN4-122A-2.1							
						Reducing Y Fitting to Elbow			
O2.C5.51.0001									C05.051.001, C05.051.001A
2MS-133-17	01A	2MS-133	PDI-UT-1	UT	CS		1.164 / 36.000	Component	Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. This weld was listed previously as 2-01A-4-17 on iso 2-01A-4(1) until it was transferred to iso 2MS-133.
		O-ISIN4-122A-2.1						PDI-UT-1-O	
Circumferential	Class 2								
						Reducing Y Fitting to Elbow			

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks	Comments / Historical Data
Category C-F-2								
O2.C5.51.0009								C05.051.009, C05.051.009A
2MS-123-70V	01A	2MS-123	NDE-25	MT	CS	0.969 / 24.000		S/G 2B Main Steam Nozzle to Reducer weld. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
Circumferential	Class 2	O-ISIN4-122A-2.1						
Terminal End								
						Nozzle S/G 2B to Reducer		
O2.C5.51.0009								C05.051.009, C05.051.009A
2MS-123-70V	01A	2MS-123	NDE-600	UT	CS	0.969 / 24.000	Component	S/G 2B Main Steam Nozzle to Reducer weld. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
		O-ISIN4-122A-2.1					PDI-UT-1-O	
Circumferential	Class 2							
Terminal End								
						Nozzle S/G 2B to Reducer		
O2.C5.51.0010								C05.051.010, C05.051.010A
2MS-123-71V	01A	2MS-123	NDE-25	MT	CS	0.969 / 24.000		S/G 2B Main Steam Nozzle to Reducer weld. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
Circumferential	Class 2	O-ISIN4-122A-2.1						
Terminal End								
						Nozzle S/G 2B to Reducer		
O2.C5.51.0010								C05.051.010, C05.051.010A
2MS-123-71V	01A	2MS-123	NDE-600	UT	CS	0.969 / 24.000	Component	S/G 2B Main Steam Nozzle to Reducer weld. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
		O-ISIN4-122A-2.1					PDI-UT-1-O	
Circumferential	Class 2							
Terminal End								
						Nozzle S/G 2B to Reducer		
O2.C5.51.0015								C05.051.015, C05.051.015A
2-03A-10-61	03A	2-03A-10	NDE-25	MT	CS	0.562 / 6.000		Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
Circumferential	Class 2	O-ISIN4-121D-2.1						
						Tee to Pipe		

Summary Num Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **C-F-2**								
O2.C5.51.0015								C05.051.015, C05.051.015A
2-03A-10-61	03A	2-03A-10	NDE-600	UT	CS	0.562 / 6.000	Component	Procedure NDE-600 uses the component for
		O-ISIN4-121D-2.1					PDI-UT-1-O	calibration. Procedure PDI-UT-1 may be used in lieu of
Circumferential	Class 2							procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
						Tee to Pipe		
O2.C5.51.0016								C05.051.016, C05.051.016A
2SGA-W277	03A	OM 201.S--0155.001	NDE-25	MT	CS	0.432 / 6.000		Procedure NDE-600 uses the component for
Circumferential	Class 2	O-ISIN4-121B-2.3						calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
						Pipe Cap to Pipe		
O2.C5.51.0016								C05.051.016, C05.051.016A
2SGA-W277	03A	OM 201.S--0155.001	NDE-600	UT	CS	0.432 / 6.000	Component	Procedure NDE-600 uses the component for
		O-ISIN4-121B-2.3					PDI-UT-1-O	calibration. Procedure PDI-UT-1 may be used in lieu of
Circumferential	Class 2							procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
						Pipe Cap to Pipe		
O2.C5.51.0020								C05.051.020, C05.051.020A
2FDW-253-3	03	2FDW-253	NDE-25	MT	CS	0.750 / 14.000		Procedure NDE-600 uses the component for
Circumferential	Class 2	O-ISIN4-121B-2.3						calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. Subassembly Weld. This weld was listed previously AS 2-03-18-3 on iso 2-03-18 (1) until it was transferred to iso 2FDW-253.
						Elbow to Reducer		
O2.C5.51.0020								C05.051.020, C05.051.020A
2FDW-253-3	03	2FDW-253	NDE-600	UT	CS	0.750 / 14.000	Component	Procedure NDE-600 uses the component for
		O-ISIN4-121B-2.3					PDI-UT-1-O	calibration. Procedure PDI-UT-1 may be used in lieu of
Circumferential	Class 2							procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used. Subassembly Weld. This weld was listed previously AS 2-03-18-3 on iso 2-03-18 (1) until it was transferred to iso 2FDW-253.
						Elbow to Reducer		
O2.C5.51.0021								C05.051.021, C05.051.021A
2FDW-226-101V	03	2FDW-226	NDE-25	MT	CS	0.750 / 14.000		Procedure NDE-600 uses the component for
Circumferential	Class 2	O-ISIN4-121B-2.3						calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
						Pipe to Elbow		

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks	Comments / Historical Data
Category C-F-2								
O2.C5.51.0021								C05.051.021, C05.051.021A
2FDW-226-101V	03	2FDW-226	NDE-600	UT	CS	0.750 / 14.000	Component	Procedure NDE-600 uses the component for
		O-ISIN4-121B-2.3					PDI-UT-1-O	calibration. Procedure PDI-UT-1 may be used in lieu of
Circumferential	Class 2							procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
						Pipe to Elbow		
O2.C5.51.0023								C05.051.023, C05.051.023A
2SGA-W242	03	OM 201.S--0155.001	NDE-25	MT	CS	0.750 / 14.000		Procedure NDE-600 uses the component for
Circumferential	Class 2	O-ISIN4-121B-2.3						calibration. Procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
						Pipe to Pipe Cap		
O2.C5.51.0023								C05.051.023, C05.051.023A
2SGA-W242	03	OM 201.S--0155.001	PDI-UT-1	UT	CS	0.750 / 14.000	Component	Procedure NDE-600 uses the component for
		O-ISIN4-121B-2.3					PDI-UT-1-O	calibration. Procedure PDI-UT-1 may be used in lieu of
Circumferential	Class 2							procedure NDE-600. If PDI-UT-1 is used, then the calibration block listed shall be used.
						Pipe to Pipe Cap		
O2.C5.81.0002								C05.081.002
2-MS20A-B	01A	2MS-134	NDE-25	MT	CS	0.562 / 12.000		Subassembly 2MS-20A.
Branch	Class 2	O-ISIN4-122A-2.1						This weld was listed previously on iso 2-01A-4(1) until it was transferred to iso 2MS-134.
		2MS-20A						
						Main Steam Header to Pipe		
Category D-A								
O2.D1.10.0002								D01.010.002
2-DHRC-A	53B	OM 201-0286	NDE-65	VT-1	NA	0.500 / 0.000		Decay Heat Removal Cooler 2A. Welded attachment at
	Class 3	O-ISIN4-102A-2.2						the two support cradles to cooler.
		OM 2201-277						
O2.D1.10.0003								D01.010.003
2-SSF-SWST	13	OM 240.-0031	NDE-65	VT-1	NA	0.500 / 0.000		Auxiliary Service Water Strainer.
	Class 3	O-ISIN4-133A-2.5						
O2.D1.10.0004								D01.010.004
2-MCD-C	07	OM-202-5	NDE-65	VT-1	NA	0.000 / 0.000		Main Condenser 2C. Welded Attachment at 4 Support
	Class 3	O-ISIN4-121A-2.3						Legs.
		OM-202-25						

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category D-A									
O2.D1.10.0005									D01.010.005
2-UST-A	14B	OM 1149-0001	NDE-65	VT-1	NA		0.000 / 0.000		Upper Surge Tank 2A. (2 Support Cradles) See Dwg O-1348-B-001 for BasePlate details.
	Class 3	O-ISIN4-121A-2.7							
		O-1348-B							
						Plate to Shell			
O2.D1.10.0006									D01.010.006
2-UST-DOME	14B	O-348	NDE-65	VT-1	NA		0.000 / 0.000		Upper Surge Tank Dome. (4 Support Legs)
	Class 3	O-ISIN4-121A-2.7							
		O-348.A-02							
						Plate to Shell			
O2.D1.20.0006									D01.020.012
2-03A-1-0-1439B-H11	03A	2-03A-06/sht.3	NDE-65	VT-1	NA		0.375 / 6.000		Calculation No. OSC-459. Inspect with F01.030.028.
Rigid Support	Class 3	O-ISIN4-121D-2.1							
O2.D1.20.0021									D01.020.064
2-14B-0-1439B-RJP-3104	14B	4-14-04/sht.3	NDE-65	VT-1	NA		0.237 / 8.000		Calculation No. OSC-474. Inspect with F01.030.078.
Rigid Support	Class 3	O-ISIN4-124B-2.2							
O2.D1.20.0022									D01.020.065
2-14B-1-0-1439B-H12	14B	4-14-04/sht.2	NDE-65	VT-1	NA		2.000 / 14.000		Calculation No. OSC-474. Inspect with F01.031.064.
Rigid Restraint	Class 3	O-ISIN4-124B-2.2							
O2.D1.20.0025									D01.020.068
2-14B-1439B-DE154	14B	2-14-06/sht.2	NDE-65	VT-1	NA		0.187 / 8.000		Calculation No. OSC-475. Inspect with F01.030.075.
Rigid Support	Class 3	O-ISIN4-124B-2.2							
O2.D1.20.0175									D01.020.052
2-13-0-345A-PS1-A	13	O-345A	NDE-65	VT-1	NA		0.375 / 96.000		Calculation No. OSC-681 or OSC-605. Welded attachment associated with support located on discharge piping at the Condenser Circulating Water Intake Pump 2A.
Rigid Support	Class 3	O-ISIN4-133A-2.1							
O2.D1.30.0001									D01.030.010
2-CCWP-A	13	OM 202.-0003	NDE-65	VT-1	NA		2.000 / 0.000		Condenser Circulating Water Intake Pump 2A. Welded attachment to Pump Casing.
	Class 3	O-ISIN4-133A-2.1							
		O-345							
						Attachment to Casing			

Summary Num Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched*	*Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **ELC**									
O2.H2.1.0004									H02.001.004
2-PHB-13	50	ISI-OCN2-006	NDE-35	PT	CS-Inconel		2.875 / 9.000		RTE Mounting Boss Pc.12 to Pipe Pc.7. This weld covers the X-Axis. The diameter of hole that penetrates the nozzle into the Hot Leg = .613. Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	OM-1201-1521							
Dissimilar									
						Pipe to Pipe			
O2.H2.1.0005									H02.001.005
2-PHB-14	50	ISI-OCN2-006	NDE-35	PT	CS-Inconel		2.875 / 9.000		RTE Mounting Boss Pc.12 to Pipe Pc.7. This weld covers the Y-Z Axis. The diameter of hole that penetrates the nozzle into the Hot Leg = .613. Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	OM-1201-1521							
Dissimilar									
						Pipe to Pipe			
O2.H2.1.0006									H02.001.006
2-PHB-15	50	ISI-OCN2-006	NDE-35	PT	CS-Inconel		2.875 / 9.000		RTE Mounting Boss Pc.12 to Pipe Pc.7. This weld covers the Z-W Axis. The diameter of hole that penetrates the nozzle into the Hot Leg = .613. Reference Section 7 of the ISI Plan, General Requirements.
Circumferential	Class 1	OM-1201-1521							
Dissimilar									
						Pipe to Pipe			
O2.H4.1.0004									H04.001.004
2-03-0-1439B-H52	03	2-03-01/sht.1	NDE-66	VT-3	NA		0.000 / 24.000		Calculation No. OSC-454. Inspect with item number F01.030.022.
Rigid Support	Class 3	O-ISIN4-121B-2.3							
O2.H4.1.0023									H04.001.023
2-01A-0-1441-H3	01A	2-01-01/sht.1	NDE-66	VT-3	NA		0.000 / 36.000		Calculation No. OSC-440.
Rigid Support	Class 2	O-ISIN4-122A-2.1							
O2.H4.1.0024									H04.001.024, H04.001.024A
2-01A-0-1441-R2-2	01A	2-01-01/sht.1	NDE-25	MT	NA		0.688 / 36.000		Calculation No. OSC-440. -- (H04.001.024A) Perform a Surface exam on the attachment welds. Note: Magnetic Particle examinations (with the use of procedure NDE-25) may be performed on carbon steel material in lieu of or in conjunction with liquid penetrant examinations.
Hyd Snubber	Class 2	O-ISIN4-122A-2.1							

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category ELC									
O2.H4.1.0024 2-01A-0-1441-R2-2 Hyd Snubber	01A Class 2	2-01-01/sht.1 O-ISIN4-122A-2.1	NDE-66	VT-3	NA		0.688 / 36.000		H04.001.024, H04.001.024A Calculation No. OSC-440. -- (H04.001.024A) Perform a Surface exam on the attachment welds. Note: Magnetic Particle examinations (with the use of procedure NDE-25) may be performed on carbon steel material in lieu of or in conjunction with liquid penetrant examinations.
O2.H4.1.0025 2-01A-0-1441-H4 Rigid Support	01A Class 2	2-01-01/sht.1 O-ISIN4-122A-2.1	NDE-66	VT-3	NA		0.000 / 36.000		H04.001.025 Calculation No. OSC-440.
O2.H4.1.0026 2-01A-0-1401B-H5 Spring Hgr	01A Class 2	2-01-01/sht.1 O-ISIN4-122A-2.1	NDE-66	VT-3	NA		0.000 / 36.000		H04.001.026 Calculation No. OSC-440.
O2.H4.1.0027 2-01A-0-1401B-R3 Rigid Support	01A Class 2	2-01-01/sht.1 O-ISIN4-122A-2.1	NDE-66	VT-3	NA		0.000 / 36.000		H04.001.027 Calculation No. OSC-440.
O2.H4.1.0028 2-01A-0-1401B-H6 Spring Hgr	01A Class 2	2-01-01/sht.2 O-ISIN4-122A-2.1	NDE-66	VT-3	NA		0.000 / 36.000		H04.001.028 Calculation No. OSC-440.
O2.H4.1.0030 2-01A-0-1401B-H8 Rigid Support	01A Class 2	2-01-01/sht.2 O-ISIN4-122A-2.1	NDE-66	VT-3	NA		0.000 / 36.000		H04.001.030 Calculation No. OSC-440.
O2.H4.1.0031 2-01A-0-1401B-H9 Rigid Support	01A Class 2	2-01-01/sht.2 O-ISIN4-122A-2.1	NDE-66	VT-3	NA		0.000 / 36.000		H04.001.031 Calculation No. OSC-440.
O2.H4.1.0047 2-01A-0-1401B-H23 Rigid Support	01A Class 2	2-01-01/sht.2 O-ISIN4-122A-2.1	NDE-66	VT-3	NA		0.000 / 12.000		H04.001.047 Calculation No. OSC-440. Inspect with item number F01.020.004.

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks	Comments / Historical Data
Category ELC								
O2.H4.1.0049								H04.001.049
2-01A-0-1401B-H24	01A	2-01-01/sht.2	NDE-66	VT-3	NA	0.000 / 36.000		Calculation No. OSC-440.
Spring Hgr	Class 2	O-ISIN4-122A-2.1						Inspect with item number F01.022.003.
Category F-A								
O2.F1.10.0001								F01.010.011
2-51A-0-1479A-H12B	51A	2-51-24	NDE-66	VT-3	NA	0.500 / 2.500		Calculation No. OSC-1323. HPI West Coolant Loop.
Rigid Support	Class 1	O-ISIN4-101A-2.4						
O2.F1.11.0006								F01.011.031
2-53A-0-1479A-H24C	53A	0-2RB-25314-02	NDE-66	VT-3	NA	0.000 / 1.500		Calculation No. OSC-1324-06.
Rigid Restraint	Class 1	O-ISIN4-100A-2.2						
O2.F1.12.0004								F01.012.004
2-50-1479A-H3A	50	0-2491B-2A	NDE-66	VT-3	NA	0.000 / 10.000		PZR Surge Line.□
Hyd Snubber	Class 1	O-ISIN4-100A-2.1						
O2.F1.12.0005								F01.012.011
2-51A-0-1479A-H1A	51A	0-2RB-25315-04	NDE-66	VT-3	NA	0.000 / 2.500		Calculation No. OSC-1324-06.
Spring Hgr	Class 1	O-ISIN4-101A-2.4						
O2.F1.20.0004								F01.020.004
2-01A-0-1401B-H23	01A	2-01-01/sht.2	NDE-66	VT-3	NA	0.000 / 12.000		Calculation No. OSC-440.
Rigid Support	Class 2	O-ISIN4-122A-2.1						Inspect with item number H04.001.047.
O2.F1.20.0005								F01.020.011
2-03-0-1479A-H1B	03	0-1490B-2(S)	NDE-66	VT-3	NA	0.280 / 14.000		Calculation No. OSC-1316-06(Vol. A). Inspect with C03.020.014.
Rigid Support	Class 2	O-ISIN4-121B-2.3						
		2-03-06/sht.3						
O2.F1.20.0009								F01.020.021
2-14B-0-1479A-H18	14B	2-14-13/sht.1	NDE-66	VT-3	NA	0.000 / 8.000		Calculation No. OSC-132506.
Rigid Support	Class 2	O-ISIN4-124B-2.2						

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks	Comments / Historical Data	
Category F-A									
O2.F1.20.0013									F01.020.041
2-51-0-436J-H142	51	0-2AB-25102-01	NDE-66	VT-3	NA	0.000 / 6.000		Calculation No. OSC-481.	
Rigid Support	Class 2	O-ISIN4-101A-2.2							
O2.F1.20.0018									F01.020.046
2-51A-6-0-435B-SR58	51A	0-2AB-25102-02	NDE-66	VT-3	NA	0.000 / 6.000		Calculation No. OSC-481.	
Rigid Support	Class 2	O-ISIN4-101A-2.3							
O2.F1.20.0022									F01.020.050
2-51A-0-1444-H187	51A	0-2AB-25118-02	NDE-66	VT-3	NA	0.000 / 4.000		Calculation No. OSC-1023.	
Rigid Support	Class 2	O-ISIN4-101A-2.4						HPI Crossover Line.	
O2.F1.20.0039									F01.020.077
2-53B-0-435B-DE019	53B	0-2AB-25301-03	NDE-66	VT-3	NA	0.000 / 10.000		Calculation No. OSC-487.	
Rigid Support	Class 2	O-ISIN4-102A-2.2							
O2.F1.20.0041									F01.020.079
2-53B-0-439A-H60	53B	0-2AB-25302-01	NDE-66	VT-3	NA	0.000 / 10.000		Calculation No. OSC-493.	
Rigid Support	Class 2	O-ISIN4-102A-2.2							
O2.F1.20.0048									F01.020.086
2-53B-2-0-436E-H5	53B	0-2AB-25102-03	NDE-66	VT-3	NA	1.000 / 8.000		Calculation No. OSC-481.	
Rigid Support	Class 2	O-ISIN4-101A-2.3							
O2.F1.20.0052									F01.020.094
2-54A-3-0-1439B-H15	54A	2-54-03/sht.1	NDE-66	VT-3	NA	0.125 / 8.000		Calculation No. OSC-496. Inspect with C03.020.055.	
Rigid Support	Class 2	O-ISIN4-103A-2.1							
O2.F1.20.0059									F01.020.103
2-56-2-0-437B-H30	56	4-56-02/sht.4	NDE-66	VT-3	NA	0.00 / 8.000		Calculation No. OS-421.	
Rigid Support	Class 2	O-ISIN4-104A-1.1						Saddle is not welded.	

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data	
Category F-A										
O2.F1.21.0003 2-14B-0-1479A-H19A Rigid Restraint	14B Class 2	0-1492A-2(S) O-ISIN4-124B-2.2 2-14-15/sht.1	NDE-66	VT-3	NA		1.625 / 8.000		Calculation No. OSC-1325-06.	F01.021.021
O2.F1.21.0007 2-14B-0-1479A-H2 Rigid Restraint	14B Class 2	2-14-13/sht.1 O-ISIN4-124B-2.2	NDE-66	VT-3	NA		0.216 / 8.000		Calculation No. OSC-1325-06. Inspect with C03.020.024.	F01.021.025
O2.F1.21.0008 2-14B-0-1479A-H1 Rigid Restraint	14B Class 2	2-14-14/sht.1 O-ISIN4-124B-2.2	NDE-66	VT-3	NA		0.216 / 6.000		Calculation No. OSC-1325-06. Inspect with C03.020.022.	F01.021.026
O2.F1.21.0014 2-51A-436J-DE001 Rigid Restraint	51A Class 2	0-2AB-25101-01 O-ISIN4-101A-2.3	NDE-66	VT-3	NA		0.000 / 2.500		Calculation No. OSC-479.	F01.021.042
O2.F1.21.0017 2-51A-0-1479A-H19C Rigid Restraint	51A Class 2	2-51-12/sht.5 O-ISIN4-101A-2.1	NDE-66	VT-3	NA		0.000 / 2.500		Calculation No. OSC-1660-06. HPI System.	F01.021.045
O2.F1.21.0020 2-51A-2-0-1439C-H12 Rigid Restraint	51A Class 2	2-51-18/sht.5 O-ISIN4-101A-2.4	NDE-66	VT-3	NA		0.000 / 4.000		Calculation No. OSC-1023. HPI System.	F01.021.048
O2.F1.21.0022 2-51B-436J-DE009 Rigid Restraint	51B Class 2	0-2AB-25101-04 O-ISIN4-101A-2.1	NDE-66	VT-3	NA		0.000 / 4.000		Calculation No. OSC- 479.	F01.021.050
O2.F1.21.0034 2-54A-3-0-1439B-H13 Rigid Restraint	54A Class 2	2-54-03/sht.1 O-ISIN4-103A-2.1	NDE-66	VT-3	NA		0.125 / 8.000		Calculation No. OSC-496. Inspect with C03.020.052.	F01.021.071

Summary Num Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*	
Category **F-A**									
O2.F1.21.0037									F01.021.081
2-56-1439E-DE001	56	4-56-02/sht.5	NDE-66	VT-3	NA	0.000 / 8.000		Calculation No. OS-421.	
Rigid Restraint	Class 2	O-ISIN4-104A-1.1							
O2.F1.22.0003									F01.022.003
2-01A-0-1401B-H24	01A	2-01-01/sht.2	NDE-66	VT-3	NA	0.000 / 36.000		Calculation No. OSC-440.	
Spring Hgr	Class 2	O-ISIN4-122A-2.1						Inspect with item number H04.001.049.	
O2.F1.22.0021									F01.022.055
2-53B-5-0-435B-H71	53B	0-2AB-25301-03	NDE-66	VT-3	NA	0.000 / 10.000		Calculation No. OSC-487.	
Spring Hgr	Class 2	O-ISIN4-102A-2.2							
O2.F1.22.0022									F01.022.056
2-53B-1439C-H5394	53B	0-2AB-25302-01	NDE-66	VT-3	NA	0.000 / 10.000		Calculation No. OSC-493.	
Hyd Snubber	Class 2	O-ISIN4-102A-2.2							
O2.F1.22.0024									F01.022.058
2-53A-4-0-435B-H19	53A	0-2AB-25301-01	NDE-66	VT-3	NA	0.000 / 12.000		Calculation No. OSC-487.	
Spring Hgr	Class 2	O-ISIN4-102A-2.2							
O2.F1.30.0007									F01.030.014
2-03A-1-0-1439A-H23	03A	2-03A-05/sht.1	NDE-66	VT-3	NA	0.000 / 6.000		Calculation No. OSC-447.	
Rigid Support	Class 3	O-ISIN4-121D-2.1							
O2.F1.30.0012									F01.030.019
2-03A-1401A-JG-1101	03A	2-03A-06/sht.1	NDE-66	VT-3	NA	0.000 / 6.000		Calculation No. OSC-1213.	
Rigid Support	Class 3	O-ISIN4-121D-2.1							
O2.F1.30.0015									F01.030.022
2-03-0-1439B-H52	03	2-03-01/sht.1	NDE-66	VT-3	NA	0.000 / 24.000		Calculation No. OSC-454.	
Rigid Support	Class 3	O-ISIN4-121B-2.3						Inspect with item number H04.001.004.	

Summary Num Component ID / Type	*System*	*ISO/DWG Numbers*	*Procedure*	*Insp Req*	*Mat*	*Sched Thick/Dia*	*Cal Blocks*	*Comments / Historical Data*
Category **F-A**								
O2.F1.30.0019								F01.030.026
2-03A-1401A-GC-0804	03A	2-03A-06/sht.1	NDE-66	VT-3	NA	0.000 / 6.000		Calculation No. OSC-459.
Rigid Support	Class 3	O-ISIN4-121D-2.1						
O2.F1.30.0021								F01.030.028
2-03A-1-0-1439B-H11	03A	2-03A-06/sht.3	NDE-66	VT-3	NA	0.375 / 6.000		Calculation No. OSC-459. Inspect with D01.020.012.
Rigid Support	Class 3	O-ISIN4-121D-2.1						
O2.F1.30.0030								F01.030.047
2-07A-1400A-H4090	07A	0-2TB-20701-06	NDE-66	VT-3	NA	0.000 / 10.000		Calculation No. OSC-467.
Rigid Support	Class 3	O-ISIN4-121A-2.8						
O2.F1.30.0032								F01.030.061
0-13-447A-H7024	13	4-13-01/sht.1	NDE-66	VT-3	NA	0.000 / 12.000		Calculation No. OSC-1224-25.
Rigid Support	Class 3	O-ISIN4-133A-2.5						
O2.F1.30.0038								F01.030.075
2-14B-1439B-DE154	14B	2-14-06/sht.2	NDE-66	VT-3	NA	0.187 / 8.000		Calculation No. OSC-475. Inspect with D01.020.068.
Rigid Support	Class 3	O-ISIN4-124B-2.2						
O2.F1.30.0041								F01.030.078
2-14B-0-1439B-RJP-3104	14B	4-14-04/sht.3	NDE-66	VT-3	NA	0.237 / 8.000		Calculation No. OSC-474. Inspect with D01.020.064.
Rigid Support	Class 3	O-ISIN4-124B-2.2						
O2.F1.30.0044								F01.030.082
2-57-1480A-NWIX	57	0-2RB-25701-01	NDE-66	VT-3	NA	0.000 / 12.000		Calculation No. OSC-1332-06.
Rigid Support	Class 3	O-ISIN4-107A-2.1						
O2.F1.30.0359								F01.030.063
2-13-0-345A-PS1-A	13	O-345A	NDE-66	VT-3	NA	0.375 / 96.000		Calculation No. OSC-681 or OSC-605. Support located on discharge piping at the Condenser Circulating Water Intake Pump 2A.
Rigid Support	Class 3	O-ISIN4-133A-2.1						
O2.F1.31.0009								F01.031.018
2-03A-1-0-1401A-SR2	03A	2-03A-05/sht.5	NDE-66	VT-3	NA	0.000 / 6.000		Calculation No. OSC-447.
Rigid Restraint	Class 3	O-ISIN4-121D-2.1						

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks	Comments / Historical Data
Category F-A								
O2.F1.31.0021 2-14B-438C-DE107 Rigid Restraint	14B Class 3	0-2AB-203A14-02 O-ISIN4-121D-1.2	NDE-66	VT-3	NA	0.000 / 6.000		F01.031.063 Calculation No. OSC-466.
O2.F1.31.0022 2-14B-1-0-1439B-H12 Rigid Restraint	14B Class 3	4-14-04/sht.2 O-ISIN4-124B-2.2	NDE-66	VT-3	NA	2.000 / 14.000		F01.031.064 Calculation No. OSC-474. Inspect with D01.020.065.
O2.F1.32.0006 2-03A-1-0-1401B-H45 Spring Hgr	03A Class 3	2-03A-08/sht.4 O-ISIN4-121D-2.1	NDE-66	VT-3	NA	0.000 / 6.000		F01.032.014 Calculation No. OSC-449.
O2.F1.40.0004 2-LDCB-SUPPORT	Class 1	OM-201-3107 O-ISIN4-101A-2.1 1-34097-2	NDE-66	VT-3	CS	0.000 / 0.000		F01.040.004 Letdown Cooler 2B Support.
O2.F1.40.0008 2-UST-A	Class 3	OM-1149-0001 O-ISIN4-121A-2.7 O-1348-B	NDE-66	VT-3	NA	0.000 / 0.000		F01.040.008 Upper Surge Tank 2A Support Legs. See Dwg O-1348-B-001 for BasePlate details.
O2.F1.40.0010 2-EFDW-PU-T	Class 3	OM-200.B-0006 O-ISIN4-122A-2.4	NDE-66	VT-3	NA	0.000 / 0.000		F01.040.010 Emergency Feedwater Pump Turbine. Reference Figure 1 in Manual OM-200.B-0006, Items 12 & 18.
O2.F1.40.0013 2-MCD-C	Class 3	OM-202-5 O-ISIN4-121A-2.3 OM-202-25	NDE-66	VT-3	NA	0.000 / 0.000		F01.040.013 Main Condenser 2C Support Legs.
O2.F1.40.0020 2-LS-TANK	Class 2	OM-201-63 O-ISIN4-101A-2.2	NDE-66	VT-3	NA	0.000 / 0.000		F01.040.020 Letdown Storage Tank Support. Rescheduled as a result of PIP O-06-4249.

Summary Num / Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched	Thick/Dia	Cal Blocks	Comments / Historical Data
Category F-A									
O2.F1.40.0024									F01.040.024
2-LDFTR-A	51B Class 2	OM-201-0128 O-ISIN4-101A-2.1	NDE-66	VT-3	NA		0.250 / 0.000		Letdown Filter 2A Support. The examination in outage 1 does not count in the percentages. Work Order 98674855 was written to perform this exam in outage 1. The exam scheduled for outage 5 will count in percentages to meet Section XI requirements. Rescheduled to outage 2 as a result of PIP O-06-4249.
O2.F1.40.0025									F01.040.025
2-50-RCPM-2A2-SS1 Hyd Snubber	Class 1	0-1066A O-ISIN4-100A-2.1 O-ISIN4-100A-2.3	NDE-66	VT-3	NA		0.000 / 6.000		Calculation No. OSC-0991-01-0001. Reactor Coolant Pump 2A2 Motor Snubbers. Reference PIP 0-O96-1575.
O2.F1.40.0031									F01.040.031
2-UST-DOME	14B Class 3	O-348A-02 O-ISIN4-121A-2.7	NDE-66	VT-3	NA		0.000 / 0.000		Upper Surge Tank Dome Support Legs. Rescheduled as a result of PIP O-06-4249.
O2.F1.40.0061									----
2-SSF-SWST	13 Class 3	OM 240.-0031 O-ISIN4-133A-2.5	NDE-66	VT-3	NA		0.500 / 0.000		Auxiliary Service Water Strainer.
O2.F1.40.0062									F01.040.032
2-CCWP-A	13 Class 3	OM 202.-0003 O-ISIN4-133A-2.1 O-345	NDE-66	VT-3	NA		2.000 / 0.000		Condenser Circulating Water Intake Pump 2A. Examine the Pump Thrust Support shown in the "Plan View" of drawing O-345 and also examine the Pump Floor Plate and associated bolting shown in "View A-A" on drawing OM 202-0003.
O2.F1.40.0067									----
2-SGB-LATERAL	50 Class 2	O-1065Y O-1065-D O-ISIN4-100A-2.1	NDE-66	VT-3					Unit 2 Steam Generator B Lateral Support. Drawings O-1065X, O-106Y, O-1065-D, and O-65G should be used for inspection of the lateral support.

Steam Generator B Lateral Support

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.

The information shown below is a field description for the reporting format included in this section of the report:

Summary/Item Number	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2), IWF-2500-1 (Class 1 and Class 2), Augmented Requirements
ID Number	=	Unique Identification Number
Sys	=	Component System Identification
Insp Date	=	Date of Examination
Insp Status	=	CLR Clear REC Recordable REP Reportable
Insp Limited	=	Indicates inspection was limited. Coverage obtained is listed
Geo. Ref. (Geometric Reflector applies only to UT)	=	Y Yes N No
RFR (Relief Request)	=	Y Yes N No
Comments	=	General and/or Detail Description

4.1 Reportable Indications

EOC 22 (Outage 2) 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.

PIP O-07-02608 was written to document problems found with welds on the Letdown Storage Tank Support. The support was evaluated by civil engineering at Oconee and was found to be acceptable for service. Work Order 924525 was written to correct the problems.

4.4 Limited Examinations

Limited examinations (i.e., less than or equal to 90% of the required examination coverage obtained) identified during EOC 22 (Outage 2) 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.B3.110.0001	Coverage limitation (41.70%)
O2.B3.110.0006	Coverage limitation (36.70%)
O2.B3.110.0007	Coverage limitation (36.70%)
O2.B3.110.0008	Coverage limitation (36.70%)

Summary/Item Number	***Description of Limitation***
O2.B9.11.0059	Coverage limitation (37.50%)
O2.C1.20.0006	Coverage limitation (80.26%)
O2.C5.11.0004	Coverage limitation (37.50%)
O2.C5.21.0021	Coverage limitation (75.00%)
O2.C5.21.0024	Coverage limitation (37.50%)
O2.C5.21.0025	Coverage limitation (78.70%)

Note: O2.B9.11.0002 was examined during 2EOC-22 and had limited coverage. This item is rescheduled to be examined again in 2EOC-23 in order to achieve the required coverage (> 90%). Relief Request will be filed after the examination is performed during 2EOC-23 if the required coverage cannot be achieved.

DUKE ENERGY CORPORATION
QUALITY ASSURANCE - TECHNICAL SERVICES
Inservice Inspection Database Management System
Inspection Results
Oconee 2, 4th Interval, Outage 2 (EOC-22)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B1.30.0001	2-RPV-WR19	50	05/03/07	CLR	N	N	N	UT-07-032
O2.B10.10.0013	2-LDCB-SUPPORT		05/20/07	CLR	N	N	N	MT-07-017
O2.B12.10.0001	2RCP-2A1	50	05/03/07	CLR	N	N	N	VT-07-130
O2.B3.110.0001	2-PZR-WP15	50	05/15/07	CLR	N	N	N	UT-07-089
		50	05/15/07	CLR	41.70%	N	Y	UT-07-090 Relief Request will be filed for the limitation.
O2.B3.110.0006	2-PZR-WP26-4	50	05/09/07	REC	36.70%	Y	Y	UT-07-048 Indications # 1-45° & 2-35° were determined to be geometric reflectors. Indication # 3-35° was acceptable per Section XI IWB-3512. Relief Request will be filed for the limitation.
		50	05/09/07	CLR	36.70%	N	Y	UT-07-051 Relief Request will be filed for the limitation
		50	05/09/07	REC	36.70%	N	Y	UT-07-067 Indication # 1-45° was acceptable per Section XI IWB-3512. Relief Request will be filed for the limitation.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B3.110.0007	2-PZR-WP26-5	50	05/09/07	CLR	36.70%	Y	Y	UT-07-049 Indication # 1-45° & 2-35° were determined to be geometric reflectors. Relief Request will be filed for the limitation.
		50	05/09/07	CLR	36.70%	N	Y	UT-07-052 Relief Request will be filed for the limitation.
O2.B3.110.0008	2-PZR-WP26-6	50	05/09/07	CLR	36.70%	Y	Y	UT-07-050 Indication # 1-45° & 2-35° were determined to be geometric reflectors. Relief Request will be filed for the limitation.
		50	05/09/07	CLR	36.70%	N	Y	UT-07-053 Relief Request will be filed for the limitation.
O2.B3.120.0001	2-PZR-WP15	50	05/15/07	CLR	N	N	N	UT-07-097
O2.B3.120.0006	2-PZR-WP26-4	50	05/09/07	CLR	N	N	N	UT-07-054
O2.B3.120.0007	2-PZR-WP26-5	50	05/09/07	CLR	N	N	N	UT-07-055
O2.B3.120.0008	2-PZR-WP26-6	50	05/09/07	CLR	N	N	N	UT-07-056
O2.B6.40.0001	2-RPV-LIGAMENTS	50	05/03/07	CLR	N	N	N	UT-07-033
O2.B7.50.0005	2HP-217-2A1-FLG	51A	05/07/07	CLR	N	N	N	VT-07-135
O2.B7.50.0006	2HP-216-2A2-FLG	51A	05/07/07	CLR	N	N	N	VT-07-136

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B7.50.0007	2HP-214-2B1-FLG	51A	05/07/07	CLR	N	N	N	VT-07-137 Rust exist on flange bolting inside flange but does not reduce thickness more than 5%. There is minor thread deformation due to corrision between the flange. The thread deformation is not in the zone of thread engagement.
O2.B7.50.0008	2HP-218-2B2-FLG	51A	05/07/07	CLR	N	N	N	VT-07-138 There is some rust inside the flanges but does not reduce the section thickness more than 5%.
O2.B9.11.0002	2-PSL-9	50	05/15/07	CLR	N	N	N	PT-07-042
		50	05/16/07	CLR	84.80%	N	Y	UT-07-095 This weld was scheduled to be examined again during the 2EOC-23 outage to try and achieve the required coverage (>90%). Relief Request will be filed for the limitation after the examination is performed in 2EOC-23 if the required coverage cannot be achieved..
O2.B9.11.0022	2RC-279-92V	50	05/18/07	CLR	N	N	N	MT-07-013
		50	05/18/07	CLR	N	N	N	UT-07-099
O2.B9.11.0029	2SGB-W2	50	05/11/07	CLR	N	N	N	MT-07-005
		50	05/12/07	CLR	N	N	N	UT-07-074
O2.B9.11.0036	2-PSL-1	50	05/15/07	CLR	N	N	N	PT-07-043
		50	05/16/07	CLR	93.90%	N	N	UT-07-096
O2.B9.11.0059	2-PDB1-1	50	05/06/07	CLR	N	N	N	PT-07-013

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B9.11.0059	2-PDB1-1	50	05/08/07	CLR	37.50%	N	Y	UT-07-046
								Relief Request will be filed for the limitation.
		50	05/08/07	CLR	37.50%	N	Y	UT-07-047
								Relief Request will be filed for the limitation.
O2.B9.11.0060	2-PDB1-3	50	05/06/07	CLR	N	N	N	MT-07-002
		50	05/08/07	CLR	N	N	N	UT-07-045
O2.B9.11.0061	2RC-279-94V	50	05/11/07	CLR	N	N	N	MT-07-006
		50	05/12/07	CLR	N	N	N	UT-07-075
O2.B9.11.0066	2-51A-30-1	51A	05/11/07	CLR	N	N	N	PT-07-030
		51A	05/13/07	CLR	N	N	N	UT-07-077
O2.B9.21.0001	2-50-7-8	50	05/12/07	CLR	N	N	N	PT-07-034
O2.B9.21.0002	2-50-7-14	50	05/12/07	CLR	N	N	N	PT-07-035
O2.B9.21.0003	2-50-7-29	50	05/12/07	CLR	N	N	N	PT-07-036
O2.B9.21.0006	2-PDB1-11	50	05/06/07	CLR	N	N	N	PT-07-014
O2.B9.21.0012	2-PSP-11	50	05/08/07	CLR	N	N	N	PT-07-026

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.B9.21.0013	2-PSP-13	50	05/08/07	CLR	N	N	N	PT-07-025
O2.B9.21.0023	2-PSP-22	50	05/06/07	CLR	N	N	N	PT-07-015
O2.B9.21.0024	2-51A-144-24	51A	05/21/07	CLR	N	N	N	PT-07-045
O2.B9.21.0025	2-51A-145-1	51A	05/21/07	CLR	N	N	N	PT-07-046
O2.B9.21.0040	2RC-204-20	51A	05/02/07	CLR	N	N	N	PT-07-012
O2.B9.21.0050	2-51A-30-32	51A	05/11/07	CLR	N	N	N	PT-07-031
O2.B9.21.0053	2-51A-35-24	51A	05/12/07	CLR	N	N	N	PT-07-037
O2.B9.31.0001	2-PHB-16	50	05/15/07	CLR	N	N	N	MT-07-008
		50	05/16/07	CLR	N	N	N	UT-07-098
O2.B9.31.0002	2-PHA-16	50	05/18/07	CLR	N	N	N	UT-07-100
O2.C1.10.0003	2-LDFTRA-SH-FL	51B	05/07/07	CLR	N	N	N	PT-07-021
O2.C1.20.0003	2-LDFTRA-HD-SH-1	51B	05/07/07	CLR	N	N	N	PT-07-022
O2.C1.20.0004	2-LDFTRA-HD-SH-2	51B	05/07/07	CLR	N	N	N	PT-07-023

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C1.20.0005	2-LST-HD-SH-1	51A	05/10/07	CLR	N	N	N	UT-07-068
O2.C1.20.0006	2-LST-HD-SH-2	51A	05/10/07	CLR	80.26%	N	Y	UT-07-069 Relief Request will be filed for the limitation.
O2.C3.10.0003	2-LDFTR-A	51A	05/07/07	CLR	N	N	N	PT-07-024
O2.C3.10.0005	2-LS-TANK	51B	05/10/07	REC	N	N	N	PT-07-029 Five rounded indications were recorded during the PT examination. These indications were determined to be acceptable per NDE 35 Acceptance Standards H & L.
O2.C3.20.0008	2-03-0-1479A-H1B	03	05/18/07	CLR	N	N	N	MT-07-014
O2.C3.20.0010	2-14B-0-1479A-H1	14B	05/13/07	CLR	N	N	N	MT-07-009
O2.C3.20.0012	2-14B-0-1479A-H2	14B	05/13/07	CLR	N	N	N	MT-07-010
O2.C3.20.0030	2-54A-3-0-1439B-H13	54A	02/15/07	CLR	N	N	N	PT-07-001
O2.C3.20.0033	2-54A-3-0-1439B-H15	54A	02/15/07	CLR	N	N	N	PT-07-002
O2.C5.11.0004	2LP-148-90	53A	02/12/07	CLR	N	N	N	PT-07-003
		53A	02/12/07	CLR	37.50%	N	Y	UT-07-005 Relief Request will be filed for the limitation.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.11.0006	2LP-150-36	53A	02/14/07	CLR	N	N	N	PT-07-004
		53A	02/14/07	CLR	N	N	N	UT-07-001
O2.C5.11.0007	2LP-150-37	53A	02/14/07	CLR	N	N	N	PT-07-005
		53A	02/14/07	CLR	N	N	N	UT-07-002
O2.C5.11.0008	2LP-150-38	53A	02/14/07	CLR	N	N	N	PT-07-006
		53A	02/14/07	CLR	N	N	N	UT-07-003
O2.C5.11.0017	2LP-189-12	53A	05/10/07	CLR	N	N	N	PT-07-027
		53A	05/10/07	CLR	N	N	N	UT-07-057
O2.C5.11.0029	2-53A-9-7	53A	05/15/07	CLR	N	N	N	PT-07-038
		53A	05/15/07	CLR	N	N	N	UT-07-087
O2.C5.11.0030	2-53A-9-8	53A	05/15/07	CLR	N	N	N	PT-07-039
		53A	05/15/07	CLR	N	N	N	UT-07-088
O2.C5.11.0031	2-53A-9-9	53A	05/12/07	CLR	N	N	N	PT-07-033
		53A	05/12/07	CLR	N	N	N	UT-07-076

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.11.0032	2LP-189-11	53A	05/10/07	CLR	N	N	N	PT-07-028
		53A	05/10/07	CLR	N	N	N	UT-07-058
O2.C5.11.0072	2LPS-724-14	14B	05/15/07	CLR	N	N	N	PT-07-040
		14B	05/15/07	CLR	N	N	N	UT-07-091
O2.C5.11.0073	2LPS-724-15	14B	05/15/07	CLR	N	N	N	PT-07-041
		14B	05/15/07	CLR	N	N	N	UT-07-092
O2.C5.21.0003	2-RCP-FTR2B-SH-1	51A	05/07/07	CLR	N	N	N	PT-07-019
		51A	05/12/07	CLR	N	N	N	RT-N/A
O2.C5.21.0004	2-RCP-FTR2B-SH-2	51A	05/07/07	CLR	N	N	N	PT-07-020
O2.C5.21.0021	2-51A-17-147	51A	02/21/07	CLR	N	N	N	PT-07-010
		51A	02/21/07	CLR	75.00%	N	Y	UT-07-010 Relief Request will be filed for the limitation.
O2.C5.21.0022	2-51A-17-158	51A	02/21/07	CLR	N	N	N	PT-07-011
		51A	02/21/07	CLR	N	N	N	UT-07-009
O2.C5.21.0023	2-51A-27-25	51A	02/20/07	CLR	N	N	N	PT-07-009

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.21.0023	2-51A-27-25	51A	02/20/07	CLR	N	N	N	UT-07-008
O2.C5.21.0024	2HP-220-9	51A	02/13/07	CLR	N	N	N	PT-07-007
		51A	02/13/07	CLR	37.50%	N	Y	UT-07-006
								Relief Request will be filed for the limitation.
O2.C5.21.0025	2HP-220-14	51A	02/13/07	CLR	N	N	N	PT-07-008
		51A	02/13/07	CLR	78.70%	N	Y	UT-07-007
								Relief Request will be filed for the limitation.
O2.C5.30.0002	2-51B-23-64	51B	05/17/07	CLR	N	N	N	PT-07-044
O2.C5.51.0001	2MS-133-17	01A	05/21/07	CLR	N	N	N	MT-07-018
		01A	05/21/07	CLR	N	N	N	UT-07-103
O2.C5.51.0009	2MS-123-70V	01A	05/09/07	CLR	N	N	N	MT-07-003
		01A	05/12/07	CLR	N	N	N	UT-07-071
O2.C5.51.0010	2MS-123-71V	01A	05/11/07	CLR	N	N	N	MT-07-007
		01A	05/12/07	CLR	N	N	N	UT-07-072
O2.C5.51.0015	2-03A-10-61	03A	02/12/07	CLR	N	N	N	MT-07-001

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.C5.51.0015	2-03A-10-61	03A	02/12/06	CLR	N	N	N	UT-07-004
O2.C5.51.0016	2SGA-W277	03A	05/16/07	CLR	N	N	N	MT-07-011
		03A	05/16/07	CLR	N	N	N	UT-07-093
O2.C5.51.0020	2FDW-253-3	03	05/09/07	CLR	N	N	N	MT-07-004
		03	05/12/07	CLR	N	N	N	UT-07-073
O2.C5.51.0021	2FDW-226-101V	03	05/16/07	CLR	N	N	N	MT-07-012
		03	05/16/07	CLR	N	N	N	UT-07-094
O2.C5.51.0023	2SGA-W242	03	05/18/07	CLR	N	N	N	MT-07-015
		03	05/18/07	CLR	N	N	N	UT-07-102
O2.C5.81.0002	2-MS20A-B	01A	05/21/07	CLR	N	N	N	MT-07-019
O2.D1.10.0002	2-DHRC-A	53B	01/29/07	CLR	N	N	N	VT-07-002
O2.D1.10.0003	2-SSF-SWST	13	01/23/07	CLR	N	N	N	VT-07-001
O2.D1.10.0004	2-MCD-C	07	04/05/07	REC	N	N	N	VT-07-110 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.D1.10.0005	2-UST-A	14B	01/09/07	CLR	N	N	N	VT-07-009
O2.D1.10.0006	2-UST-DOME	14B	01/25/07	REC	N	N	N	VT-07-099 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.D1.20.0006	2-03A-1-0-1439B-H11	03A	02/15/07	REC	N	N	N	VT-07-111 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.D1.20.0021	2-14B-0-1439B-RJP-3104	14B	02/07/06	CLR	N	N	N	VT-07-024
O2.D1.20.0022	2-14B-1-0-1439B-H12	14B	03/21/07	REC	N	N	N	VT-07-112 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.D1.20.0025	2-14B-1439B-DE154	14B	03/22/07	CLR	N	N	N	VT-07-010
O2.D1.20.0175	2-13-0-345A-PS1-A	13	11/07/06	REC	N	N	N	VT-07-100 The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 00910733 was written to correct problems.
O2.D1.30.0001	2-CCWP-A	13	11/07/06	REC	N	N	N	VT-07-101 The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.10.0001	2-51A-0-1479A-H12B	51A	05/02/07	REC	N	N	N	VT-07-113 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.11.0006	2-53A-0-1479A-H24C	53A	05/02/07	REC	N	N	N	VT-07-114 *The discrepancies that were found were reviewed by civil engineering and the* support was found to be acceptable for service. Work Order 00924660 was written to correct problems.
O2.F1.12.0004	2-50-1479A-H3A	50	05/07/07	CLR	N	N	N	VT-07-139
O2.F1.12.0005	2-51A-0-1479A-H1A	51A	05/07/07	REC	N	N	N	VT-07-145 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.20.0004	2-01A-0-1401B-H23	01A	01/09/07	REC	N	N	N	VT-07-102 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.20.0005	2-03-0-1479A-H1B	03	05/07/07	REC	N	N	N	VT-07-147 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work order 00924642 was written to correct problems.
O2.F1.20.0009	2-14B-0-1479A-H18	14B	05/06/07	CLR	N	N	N	VT-07-142
O2.F1.20.0013	2-51-0-436J-H142	51	05/10/07	CLR	N	N	N	VT-07-149
O2.F1.20.0018	2-51A-6-0-435B-SR58	51A	03/15/07	CLR	N	N	N	VT-07-011
O2.F1.20.0022	2-51A-0-1444-H187	51A	03/12/07	CLR	N	N	N	VT-07-012
O2.F1.20.0039	2-53B-0-435B-DE019	53B	03/15/07	CLR	N	N	N	VT-07-013

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.20.0041	2-53B-0-439A-H60	53B	03/22/07	CLR	N	N	N	VT-07-014
O2.F1.20.0048	2-53B-2-0-436E-H5	53B	03/15/07	CLR	N	N	N	VT-07-015
O2.F1.20.0052	2-54A-3-0-1439B-H15	54A	02/15/07	CLR	N	N	N	VT-07-020
O2.F1.20.0059	2-56-2-0-437B-H30	56	02/19/07	REC	N	N	N	VT-07-115 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.21.0003	2-14B-0-1479A-H19A	14B	05/07/07	CLR	N	N	N	VT-07-143
O2.F1.21.0007	2-14B-0-1479A-H2	14B	05/13/07	REC	N	N	N	VT-07-153 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 00926389 was written to correct problems.
O2.F1.21.0008	2-14B-0-1479A-H1	14B	05/13/07	REC	N	N	N	VT-07-154 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 00926385 was written to correct problems.
O2.F1.21.0014	2-51A-436J-DE001	51A	05/10/07	CLR	N	N	N	VT-07-150
O2.F1.21.0017	2-51A-0-1479A-H19C	51A	05/02/07	REC	N	N	N	VT-07-116 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 00924605 was written to correct problems.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.21.0020	2-51A-2-0-1439C-H12	51A	02/07/06	REC	N	N	N	VT-07-103 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.21.0022	2-51B-436J-DE009	51B	05/10/07	CLR	N	N	N	VT-07-151
O2.F1.21.0034	2-54A-3-0-1439B-H13	54A	02/15/07	CLR	N	N	N	VT-07-021
O2.F1.21.0037	2-56-1439E-DE001	56	03/21/07	REC	N	N	N	VT-07-117 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.22.0003	2-01A-0-1401B-H24	01A	05/04/07	REC	N	N	N	VT-07-131 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.22.0021	2-53B-5-0-435B-H71	53B	03/15/07	CLR	N	N	N	VT-07-016
O2.F1.22.0022	2-53B-1439C-H5394	53B	03/22/07	REC	N	N	N	VT-07-118 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.22.0024	2-53A-4-0-435B-H19	53A	03/15/07	CLR	N	N	N	VT-07-017
O2.F1.30.0007	2-03A-1-0-1439A-H23	03A	03/22/07	REC	N	N	N	VT-07-119 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.30.0012	2-03A-1401A-JG-1101	03A	01/09/07	CLR	N	N	N	VT-07-008

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.30.0015	2-03-0-1439B-H52	03	04/28/07	REC	N	N	N	VT-07-120 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.30.0019	2-03A-1401A-GC-0804	03A	01/09/07	REC	N	N	N	VT-07-104 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.30.0021	2-03A-1-0-1439B-H11	03A	02/15/07	CLR	N	N	N	VT-07-022
O2.F1.30.0030	2-07A-1400A-H4090	07A	01/18/07	CLR	N	N	N	VT-07-007
O2.F1.30.0032	0-13-447A-H7024	13	01/11/07	REC	N	N	N	VT-07-105 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.30.0038	2-14B-1439B-DE154	14B	03/22/07	CLR	N	N	N	VT-07-018
O2.F1.30.0041	2-14B-0-1439B-RJP-3104	14B	02/07/06	CLR	N	N	N	VT-07-025
O2.F1.30.0044	2-57-1480A-NWIX	57	05/07/07	CLR	N	N	N	VT-07-144
O2.F1.30.0359	2-13-0-345A-PS1-A	13	11/07/06	REC	N	N	N	VT-07-106 The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 00910733 was written to correct problems.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.31.0009	2-03A-1-0-1401A-SR2	03A	03/12/07	REC	N	N	N	VT-07-121 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.31.0021	2-14B-438C-DE107	14B	01/18/07	CLR	N	N	N	VT-07-006
O2.F1.31.0022	2-14B-1-0-1439B-H12	14B	03/21/07	CLR	N	N	N	VT-07-019
O2.F1.32.0006	2-03A-1-0-1401B-H45	03A	03/15/07	REC	N	N	N	VT-07-122 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.40.0004	2-LDCB-SUPPORT		05/21/07	REC	N	N	N	VT-07-155 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.40.0008	2-UST-A		01/09/07	CLR	N	N	N	VT-07-005
O2.F1.40.0010	2-EFDW-PU-T		01/24/07	CLR	N	N	N	VT-07-004
O2.F1.40.0013	2-MCD-C		04/05/07	REC	N	N	N	VT-07-123 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.40.0020	2-LS-TANK		05/10/07	REC	N	N	N	VT-07-152 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 924525 was written to correct problem. PIP O-07-02608 was written to document the weld problems with this support.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.F1.40.0024	2-LDFTR-A	51B	05/08/07	CLR	N	N	N	VT-07-140
O2.F1.40.0025	2-50-RCPM-2A2-SS1		05/09/07	CLR	N	N	N	VT-07-141
O2.F1.40.0031	2-UST-DOME	14B	01/25/07	REC	N	N	N	VT-07-107 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.40.0061	2-SSF-SWST	13	01/23/07	CLR	N	N	N	VT-07-003
O2.F1.40.0062	2-CCWP-A	13	11/07/06	REC	N	N	N	VT-07-108 The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.F1.40.0067	2-SGB-LATERAL	50	05/21/07	REC	N	N	N	VT-07-156 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work order 00926701 was written to obtain measurements that will be used to update Calculation OSC-7723.
O2.G1.1.0001	2-RCP-2A1	50	12/11/06	CLR	N	N	N	MT-NA
		50	12/11/06	CLR	N	N	N	UT-N/A
O2.G1.1.0005	2-RCP-2A2	50	05/05/07	CLR	N	N	N	UT-07-044
O2.G1.1.0006	2-RCP-2B1	50	05/05/07	CLR	N	N	N	UT-07-042

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G1.1.0007	2-RCP-2B2	50	05/05/07	CLR	N	N	N	UT-07-043
O2.G12.1.0005	2-PDB2-11	50	05/05/07	CLR	N	N	N	UT-07-070
O2.G13.1.0001	2-PZR-WP45	50	05/01/07	CLR	N	N	N	VT-07-032
O2.G13.1.0002	2-PSP-1	50	05/01/07	CLR	N	N	N	VT-07-033
O2.G13.1.0003	2-PZR-WP23	50	05/01/07	CLR	N	N	N	VT-07-034
O2.G13.1.0004	2-PZR-WP91-1	50	05/01/07	CLR	N	N	N	VT-07-035
O2.G13.1.0005	2-PZR-WP91-2	50	05/01/07	CLR	N	N	N	VT-07-036
O2.G13.1.0006	2-PZR-WP91-3	50	05/01/07	CLR	N	N	N	VT-07-037
O2.G13.1.0007	2-PHA-17	50	05/02/07	CLR	N	N	N	VT-07-128
O2.G13.1.0008	2-53A-10-10A	53A	05/02/07	CLR	N	N	N	VT-07-129
O2.G13.1.0009	2-PHB-17	50	04/30/07	CLR	N	N	N	VT-07-038
O2.G13.1.0010	2-PSL-10	50	04/30/07	CLR	N	N	N	VT-07-039
O2.G13.1.0011	2-PZR-WP63-1	50	05/01/07	CLR	N	N	N	VT-07-040

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G13.1.0012	2RC-240-6B	50	05/01/07	CLR	N	N	N	VT-07-041
O2.G13.1.0013	2-PZR-WP63-2	50	05/01/07	CLR	N	N	N	VT-07-042
O2.G13.1.0014	2RC-240-9A	50	05/01/07	CLR	N	N	N	VT-07-043
O2.G13.1.0015	2-PZR-WP63-3	50	05/01/07	CLR	N	N	N	VT-07-044
O2.G13.1.0016	2RC-240-4A	50	05/01/07	CLR	N	N	N	VT-07-045
O2.G13.1.0017	2-PZR-WP63-4	50	05/01/07	CLR	N	N	N	VT-07-046
O2.G13.1.0018	2RC-240-25V	50	05/01/07	CLR	N	N	N	VT-07-047
O2.G13.1.0019	2-PZR-WP63-5	50	05/01/07	CLR	N	N	N	VT-07-048
O2.G13.1.0020	2RC-240-1A	50	05/01/07	CLR	N	N	N	VT-07-049
O2.G13.1.0021	2-PZR-WP63-6	50	05/01/07	CLR	N	N	N	VT-07-050
O2.G13.1.0022	2RC-240-21V	50	05/01/07	CLR	N	N	N	VT-07-051
O2.G13.1.0023	2-PZR-WP63-7	50	05/01/07	CLR	N	N	N	VT-07-052
O2.G13.1.0024	2RC-206-6	50	05/01/07	CLR	N	N	N	VT-07-053

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G13.1.0025	2-50-16-8A	50	05/01/07	CLR	N	N	N	VT-07-054
O2.G13.1.0026	2RC-278-66	50	04/30/07	CLR	N	N	N	VT-07-055
O2.G13.1.0027	2RC-278-70V	50	04/30/07	CLR	N	N	N	VT-07-056
O2.G13.1.0028	2RC-277-50	50	05/01/07	CLR	N	N	N	VT-07-057
O2.G13.1.0029	2RC-277-71V	50	05/01/07	CLR	N	N	N	VT-07-058
O2.G13.1.0030	2RC-278-23	50	04/30/07	CLR	N	N	N	VT-07-059
O2.G13.1.0031	2RC-278-69	50	04/30/07	CLR	N	N	N	VT-07-060
O2.G13.1.0032	2RC-277-24	50	05/01/07	CLR	N	N	N	VT-07-061
O2.G13.1.0033	2RC-277-70	50	05/01/07	CLR	N	N	N	VT-07-062
O2.G13.2.0001	2-RPV-WR53	50	05/20/07	CLR	N	N	N	VT-07-157
O2.G13.2.0002	2-RPV-WR53A	50	05/20/07	CLR	N	N	N	VT-07-158
O2.G13.2.0003	2-PIB1-11	50	05/01/07	CLR	N	N	N	VT-07-063
O2.G13.2.0004	2-51A-35-15A	51A	05/01/07	CLR	N	N	N	VT-07-064

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G13.2.0005	2-PIA1-7	50	04/30/07	CLR	N	N	N	VT-07-065
O2.G13.2.0006	2-PIA2-7	50	04/30/07	CLR	N	N	N	VT-07-066
O2.G13.2.0007	2-PIB1-7	50	05/01/07	CLR	N	N	N	VT-07-067
O2.G13.2.0008	2-PIB2-7	50	04/30/07	CLR	N	N	N	VT-07-068
O2.G13.2.0009	2-PDA1-2	50	04/30/07	CLR	N	N	N	VT-07-069
O2.G13.2.0010	2-PDA2-2	50	04/30/07	CLR	N	N	N	VT-07-070
O2.G13.2.0011	2-PDB1-2	50	04/30/07	CLR	N	N	N	VT-07-071
O2.G13.2.0012	2-PDB2-2	50	04/30/07	CLR	N	N	N	VT-07-072
O2.G13.2.0014	2RC-279-19AA	50	05/01/07	CLR	N	N	N	VT-07-073
O2.G13.2.0015	2RC-279-20	50	04/30/07	CLR	N	N	N	VT-07-074
O2.G13.2.0016	2-PIA1-11	50	04/30/07	CLR	N	N	N	VT-07-026
O2.G13.2.0017	2-50-7-29	50	04/29/07	CLR	N	N	N	VT-07-027
O2.G13.2.0018	2-PIA2-11	50	04/29/07	CLR	N	N	N	VT-07-028

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G13.2.0019	2-50-7-14	50	04/29/07	CLR	N	N	N	VT-07-029
O2.G13.2.0020	2-PIB2-11	50	04/30/07	CLR	N	N	N	VT-07-030
O2.G13.2.0021	2-50-7-8	50	04/29/07	CLR	N	N	N	VT-07-031
O2.G13.2.0022	2RC-279-21	50	04/30/07	CLR	N	N	N	VT-07-075
O2.G13.2.0023	2RC-279-22A	50	04/30/07	CLR	N	N	N	VT-07-076
O2.G14.1.0001	2-PZR-THERM	50	05/01/07	CLR	N	N	N	VT-07-077
O2.G14.1.0002	2-PZR-WP45	50	05/01/07	CLR	N	N	N	VT-07-078
O2.G14.1.0003	2-PSP-1	50	05/01/07	CLR	N	N	N	VT-07-079
O2.G14.1.0004	2-PZR-WP23	50	05/01/07	CLR	N	N	N	VT-07-080
O2.G14.1.0005	2-PZR-WP91-1	50	05/01/07	CLR	N	N	N	VT-07-081
O2.G14.1.0006	2-PZR-WP91-2	50	05/01/07	CLR	N	N	N	VT-07-082
O2.G14.1.0007	2-PZR-WP91-3	50	05/01/07	CLR	N	N	N	VT-07-083
O2.G14.1.0008	2-PZR-WP63-1	50	05/01/07	CLR	N	N	N	VT-07-084

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G14.1.0009	2RC-240-6B	50	05/01/07	CLR	N	N	N	VT-07-085
O2.G14.1.0010	2-PZR-WP63-2	50	05/01/07	CLR	N	N	N	VT-07-086
O2.G14.1.0011	2RC-240-9A	50	05/01/07	CLR	N	N	N	VT-07-087
O2.G14.1.0012	2-PZR-WP63-3	50	05/01/07	CLR	N	N	N	VT-07-088
O2.G14.1.0013	2RC-240-4A	50	05/01/07	CLR	N	N	N	VT-07-089
O2.G14.1.0014	2-PZR-WP63-4	50	05/01/07	CLR	N	N	N	VT-07-090
O2.G14.1.0015	2RC-240-25V	50	05/01/07	CLR	N	N	N	VT-07-091
O2.G14.1.0016	2-PZR-WP63-5	50	05/01/07	CLR	N	N	N	VT-07-092
O2.G14.1.0017	2RC-240-1A	50	05/01/07	CLR	N	N	N	VT-07-093
O2.G14.1.0018	2-PZR-WP63-6	50	05/01/07	CLR	N	N	N	VT-07-094
O2.G14.1.0019	2RC-240-21V	50	05/01/07	CLR	N	N	N	VT-07-095
O2.G14.1.0020	2-PZR-WP63-7	50	05/01/07	CLR	N	N	N	VT-07-096
O2.G14.1.0021	2RC-206-6	50	05/01/07	CLR	N	N	N	VT-07-097

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G14.1.0022	2-50-16-8A	50	05/01/07	CLR	N	N	N	VT-07-098
O2.G2.1.0001	2-PDB1-46	50	05/06/07	CLR	N	N	N	UT-07-040
O2.G2.1.0002	2-PDA2-46	50	05/02/07	CLR	N	N	N	UT-07-012
O2.G2.1.0003	2-PDA1-46	50	05/02/07	CLR	N	N	N	UT-07-013
O2.G2.1.0004	2-PDB2-46	50	05/06/07	CLR	N	N	N	UT-07-041
O2.G2.1.0005	2-PDA1-11	50	05/05/07	CLR	N	N	N	UT-07-026
O2.G2.1.0006	2-PDA2-11	50	05/02/07	CLR	N	N	N	UT-07-024
O2.G2.1.0007	2-PDB2-11	50	05/05/07	CLR	N	N	N	UT-07-027
O2.G2.1.0008	2-PDB1-11	50	05/05/07	CLR	N	N	N	UT-07-028
O2.G2.1.0009	2-PDB1-47	50	05/05/07	CLR	N	N	N	UT-07-029
O2.G2.1.0010	2-PDB2-47	50	05/05/07	CLR	N	N	N	UT-07-030
O2.G2.1.0011	2-PDA1-47	50	05/05/07	CLR	N	N	N	UT-07-031
O2.G2.1.0012	2-PDA2-47	50	05/02/07	CLR	N	N	N	UT-07-025

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G2.1.0013	2RC-204-28	50	05/02/07	CLR	N	N	N	UT-07-016
O2.G2.1.0014	2RC-202-17	50	05/10/07	CLR	N	N	N	UT-07-062
O2.G2.1.0015	2RC-203-21	50	05/02/07	CLR	N	N	N	UT-07-017
O2.G2.1.0016	2RC-205-1	50	05/11/07	CLR	N	N	N	UT-07-078
O2.G2.1.0017	2RC-203-3	50	05/02/07	CLR	N	N	N	UT-07-018
O2.G2.1.0018	2RC-202-19	50	05/10/07	CLR	N	N	N	UT-07-061
O2.G2.1.0019	2RC-204-20	50	05/02/07	CLR	N	N	N	UT-07-019
O2.G2.1.0020	2RC-205-3	50	05/11/07	CLR	N	N	N	UT-07-079
O2.G2.1.0021	2A2 THERM-SLEEVE	50	05/04/07	CLR	N	N	N	RT-n/a
O2.G2.1.0022	2B1 THERM-SLEEVE	50	05/09/07	CLR	N	N	N	RT-N/A
O2.G2.1.0023	2A1 THERM-SLEEVE	50	05/04/07	CLR	N	N	N	RT-n/a
O2.G2.1.0024	2B2 THERM-SLEEVE	50	05/09/07	CLR	N	N	N	RT-N/A
O2.G4.1.0001	2RC-202-17	51A	05/10/07	CLR	N	N	N	UT-07-063

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G4.1.0002	2RC-202-19	51A	05/10/07	CLR	N	N	N	UT-07-060
O2.G4.1.0003	2RC-205-1	51A	05/11/07	CLR	N	N	N	UT-07-080
O2.G4.1.0004	2RC-205-3	51A	05/11/07	CLR	N	N	N	UT-07-081
O2.G4.1.0005	2HP-218-18	51A	05/11/07	CLR	N	N	N	UT-07-082
O2.G4.1.0006	2HP-214-13	51A	05/10/07	CLR	N	N	N	UT-07-065
O2.G4.1.0007	2HP-214-15	51A	05/10/07	CLR	N	N	N	UT-07-064
O2.G4.1.0008	2RC-202-4	51A	05/10/07	CLR	97.00%	N	N	RT-N/A
		51A	05/10/07	CLR	N	N	N	UT-07-059
O2.G4.1.0009	2RC-203-4	51A	05/06/07	CLR	99.80%	N	N	RT-N/A
		51A	05/02/07	CLR	N	N	N	UT-07-014
O2.G4.1.0010	2RC-204-4	51A	05/06/07	CLR	N	N	N	RT-N/A
		51A	05/02/07	CLR	N	N	N	UT-07-015
O2.G4.1.0011	2RC-205-4	51A	05/09/07	CLR	N	N	N	RT-N/A
		51A	05/11/07	CLR	N	N	N	UT-07-085

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G4.1.0012	2HP-214-14	51A	05/10/07	CLR	N	Y	N	UT-07-066 Indication # 1 was determined to be a geometric reflector due to ID weld root geometry.
O2.G4.1.0013	2HP-216-7	51A	05/04/07	CLR	N	N	N	UT-07-034
O2.G4.1.0014	2HP-216-8	51A	05/04/07	CLR	N	N	N	UT-07-035
O2.G4.1.0015	2HP-216-9	51A	05/04/07	CLR	N	N	N	UT-07-036
O2.G4.1.0016	2HP-217-10	51A	05/05/07	CLR	N	N	N	UT-07-037
O2.G4.1.0017	2HP-217-11	51A	05/05/07	CLR	N	N	N	UT-07-038
O2.G4.1.0018	2HP-217-12	51A	05/05/07	CLR	N	N	N	UT-07-039
O2.G4.1.0019	2HP-218-20	51A	05/11/07	CLR	N	N	N	UT-07-083
O2.G4.1.0020	2HP-218-21	51A	05/11/07	CLR	N	N	N	UT-07-084
O2.G4.1.0021	2HP-218-22	51A	05/11/07	CLR	N	N	N	UT-07-086
O2.G4.1.0022	2RC-203-21	50	05/02/07	CLR	N	N	N	UT-07-020
O2.G4.1.0023	2RC-203-3	50	05/02/07	CLR	N	N	N	UT-07-021

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.G4.1.0024	2RC-204-28	50	05/02/07	CLR	N	N	N	UT-07-022
O2.G4.1.0025	2RC-204-20	50	05/02/07	CLR	N	N	N	UT-07-023
O2.H2.1.0004	2-PHB-13	50	05/07/07	CLR	N	N	N	PT-07-016
O2.H2.1.0005	2-PHB-14	50	05/07/07	CLR	N	N	N	PT-07-017
O2.H2.1.0006	2-PHB-15	50	05/07/07	CLR	N	N	N	PT-07-018
O2.H4.1.0004	2-03-0-1439B-H52	03	04/28/07	REC	N	N	N	VT-07-124 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.H4.1.0023	2-01A-0-1441-H3	01A	05/01/07	REC	N	N	N	VT-07-125 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.H4.1.0024	2-01A-0-1441-R2-2	01A	05/19/07	CLR	N	N	N	MT-07-016
		01A	05/04/07	REC	N	N	N	VT-07-146 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 00926712 was written to correct problems.
O2.H4.1.0025	2-01A-0-1441-H4	01A	05/06/07	REC	N	N	N	VT-07-148 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
O2.H4.1.0026	2-01A-0-1401B-H5	01A	05/04/07	REC	N	N	N	VT-07-132 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.H4.1.0027	2-01A-0-1401B-R3	01A	05/04/07	REC	N	N	N	VT-07-133 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.H4.1.0028	2-01A-0-1401B-H6	01A	05/01/07	REC	N	N	N	VT-07-126 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.H4.1.0030	2-01A-0-1401B-H8	01A	04/28/07	CLR	N	N	N	VT-07-023
O2.H4.1.0031	2-01A-0-1401B-H9	01A	04/28/07	REC	N	N	N	VT-07-127 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.H4.1.0047	2-01A-0-1401B-H23	01A	01/09/07	REC	N	N	N	VT-07-109 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
O2.H4.1.0049	2-01A-0-1401B-H24	01A	05/04/07	REC	N	N	N	VT-07-134 The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.

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 on NIS-2 forms in this section.

Due to station processing and approval time frames, three categories of repair and replacement documentation exist for: 1) work performed during a prior refueling cycle; 2) work performed during the current refueling cycle; and 3) work completed but documentation not yet reviewed and approved.

There were 9 work orders for category 1 repair and replacement documentation for this reporting period. Work Orders 98742091, 98555377, 98626098, 98669959-01, 98701069, 98701070, 98704023, 98727683-10, and 98536821 had work completed prior to 11-15-2005 and copies of the NIS-2 forms are included in this report. The NIS-2 forms associated with the nine work orders are the first 36 pages that immediately follow this page. PIP O-06-01571, PIP O-06-0476 and PIP O-06-01083 were written at the end of the Unit 2 EOC-21 refueling outage to document the late submittal for the NIS-2 forms associated with the 9 work orders listed previously in this paragraph.

Category 2 had 36 NIS-2 forms for work orders completed during this reporting period. Copies of the NIS-2 forms are included in this section of the report.

There were no items for Category 3 during this reporting period.

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

5.1 Class 1 and 2 Preservice Examinations

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

Work Orders	Weld Numbers	ISI Class	Type of Inspection	Comments
1723280	2-PZR-WP91-1-WOL	A	UT	Weld Overlay PZR Relief Nozzle
1723280	2-PZR-WP91-2-WOL	A	UT	Weld Overlay PZR Relief Nozzle
1723280	2-PZR-WP91-3-WOL	A	UT	Weld Overlay PZR Relief Nozzle
1723281	2-RC-0266-23V	A	UT	Weld Overlay PZR Spray Nozzle
1723282	2-RC-0326-21V	A	UT	Weld Overlay Hotleg Surge Nozzle
1723282	2-RC-0326-22V	A	UT	Weld Overlay PZR Surge Nozzle

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
98742091	1 of 2

1. Owner

Duke Power Company
526 South Church Street
Charlotte, NC 28201-1006

2. Plant

Oconee Nuclear Station
7800 Rochester Hwy
Seneca, SC 29672

Unit: ONS - 2

Date: 2/8/2006

3. Work Performed by

Duke Power Company
526 South Church Street
Charlotte, NC 28201-1006

Type Code Symbol Stamp: Not Applicable

Authorization Number: Not Applicable

Expiration Date: Not Applicable

4. Identification of System, ASME Class

Steam Generator, ASME Class 1

5.

(a) Applicable Construction Code: ASME Section III 19 89 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Inspection Port Cover @ Port #9	B & W Canada	006K-03	207	PN# 5206081	2003	Removed	YES
Inspection Port Cover @ Port #10	B & W Canada	006K-03	207	PN# 5206081	2003	Removed	YES
Inspection Port Cover @ Port #11	B & W Canada	006K-03	207	PN# 5206081	2003	Removed	YES
Inspection Port Cover @ Port #14	B & W Canada	006K-03	207	PN# 5206081	2003	Removed	YES
Inspection Port Test Cover Assembly #1	B & W Canada	160K-01	214	PN# 5231484	2005	Installed	YES
Inspection Port Test Cover Assembly #2	B & W Canada	160K-02	215	PN# 5231483	2005	Installed	YES
Inspection Port Test Cover Assembly #3	B & W Canada	160K-03	216	PN# 5231760	2005	Installed	YES
Inspection Port Test Cover Assembly #3 Flange	B & W Canada	160K-03	216	PN# 5231854	2005	Installed	YES
Inspection Port Test Cover Assembly #4	B & W Canada	160K-04	217	PN# 5231790	2005	Installed	YES

7. Description of Work

On Unit 2 "A" Steam Generator one inspection port cover was removed at each support location at #9, #10, #11 and #14 and a instrumented cover was installed.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98742091	2 of 2

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

1.
2.
3.
4.
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10.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Ken Ramon Engineer Date 2/9/2006

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-28-06 to 3-28-06, 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 NC1444 NI NBL

National Board, State, Province, and Endorsements

Date 3-28-06

PIP Serial No:	Action Category:	LER No:	Other Report:
O-06-01571	4		

Corrective Actions

CA Seq. No: 1

Resp Group	Status	Orig Group	Event Code	Prop CAC	Cause Code
IWS	Closed	IWS	O2a	E	R

Proposed Corrective Action:

To enter applicable work packages that are received for QA final review that contain ASME Section XI components that require NIS-2 reports need to be submitted to the General Office for NRC with in the 45 day window after start up of the applicable units RFO.

Originated By: TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 03/22/2006

Signature Type:	Indiv	Team	Group	Date
Approval Assigned To:	WTM5506	WTM5506	IWS	03/22/2006
Assigned To:	TRB6214	WTM5506	IWS	03/29/2006
Ready For Approval:	TRB6214	WTM5506	IWS	03/29/2006
Approved By:	WTM5506	WTM5506	IWS	03/29/2006

General: Outage: N/A Mode: N/A

Other Tracking Processes

Type	Number	Text

Actual Corrective Action:

Priority: I3b Actual CAC: J Status: Open Due Date: 04/12/2006

The following work order package was received past the 45 day window after start up of unit 2 RFO and for submitting required NIS-2 report to General Office.

***** Work Order package 98742091 NIS-2 form was initiated by Accountable Engineer on 2/09/2006- 24 days past deadline and actual work was completed at the end of November 2005 for MOD package #OD200349.

Originated By: TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 03/29/2006

Signature Type	Indiv	Team	Group	Date
Assigned To:	TRB6214	WTM5506	IWS	03/22/2006
Due Date:	04/12/2006			
Accepted By:	WTM5506	WTM5506	IWS	03/29/2006

End of the Document for PIP No: O-6-1571
The status of this PIP is: Screened
The duration of this PIP was: 2 days

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
98555377	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 2/2/2006

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

4. Identification of System, ASME Class

Reactor Coolant, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Hanger 2-64-1479D-H6451	DPC	None	None	None	1974	Corrected	NO

7. Description of Work

Loose bolts to allow replacement of operator on valve 2RC-6.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98555377	2 of 2

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

❶ 1/2 by 2 inch A 325 Type 1 bolts in hanger, UTC # 1063576.

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Basil W. Carney Senior Engineer Date 2/2/2006

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-16-06 to 2-16-06, 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 NC1444 NIABC

National Board, State, Province, and Endorsements

Date 2/16/06

PIP Serial No:	Action Category:	LER No:	Other Report:
O-06-00476	3		

Problem Identification

Discovered Time/Date: 10:42 01/27/2006 **Occurred Time/Date:**

Unit(s) Affected:

Unit	Mode	%Power	Unit Status Remarks
N/A	N/A	100	N/A

System(s) Affected:
N/A Not Related to a Unit"s System.

Affected Equipment

(No Equipment Affected)

Location of Problem:
Bldg: Column Line: Elev:

Location Remarks:

Method Used to Discover Problem:

Brief Problem Description:
Work Packages not processed by Mechanical Services teams in a timely manner.

Detail Problem Description:
98656697-01
98536821-01
98586396-01
98657709-01
98671891-01

Last Updated By: TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 02/02/2006

This work orders 98674209-01, 98674628-01, 98641556-02, 98634132-01, 98656284-01 should be included in this PIP.

Last Updated By: TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 01/30/2006

It was recently discovered that a population of old work orders and their associated packages had not been turned in to QC for final review. As a result, some upgraded Section X1 components had not had their NIS-2 documentation completed as required. In many cases, packages are held when the technical work is completed so that support tasks for scaffold removal, coating, grouting, or similar tasks can complete. When that occurs and the work order in WMS is completed, the paper packages are sometimes delayed in getting back to QC/Engineering for final evaluation. In the case of this population of work orders, these packages have been significantly delayed, leading to a failure in the timely completion of NIS-2 paperwork and violation of Maintenance Directive MD 7.5.10. The work orders affected are 98536821-01, 98625986-09, 98555377-10, 98624861-22, 98671891-01, 98656697-01, 98657709-01, 98586399-01, 98586396-01, and 98656689-01.

The supervisor who had possession of these packages has now processed all of them and turned them in. He has been counseled on the timely completion and submission of paperwork following the completion of the work. A process will be put in place this week to ensure that all work packages are monitored on a weekly basis to ensure that none are retained after field work completes.

Assign this PIP to ONS Maintenance Mechanical Services for documentation of further corrective actions.

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
98626098	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 7/20/2005

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

4. Identification of System, ASME Class

Low Pressure Injection, ASME Class 1

5.

(a) Applicable Construction Code: ASME Section III 19 83 Edition, W/84 Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Valve 2LP-0048	Crane Nuclear	C7871	UNK	Item #9	1998	Installed	NO

7. Description of Work

Replace Retaining ring

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Visual inspection

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98626098	2 of 2

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

BWC 2,1,2006

❶ Replaced internal retaining ring - Item #9 on drawing OM 245 0001 001

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed [signature] Engineer Date 1/31/06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-16-06 to 2-16-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions NC1444 NBIBC
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/16/06

PIP Serial No:	Action Category:	LER No:	Other Report:
O-06-01571	4		

Problem Identification

Discovered Time/Date: 14:29 03/20/2006 **Occurred Time/Date:**

Unit(s) Affected:

Unit	Mode	%Power	Unit Status Remarks
2	N/A	100	operating

System(s) Affected:

FDW Feedwater
RC Reactor Coolant

Affected Equipment

(No Equipment Affected)

Location of Problem:

Bldg: Column Line: Elev:

Location Remarks:

Method Used to Discover Problem:
Final Q. A. review of work order packages

Brief Problem Description:
ASME Section XI repair/replacement NIS-2 forms and report completions for work orders mentioned in detailed problem discription.

Detail Problem Description:
The pip is also to capture other work orders that maintenance has held pending engineering information or needed documentation required to satisfy QA or ANII requirements for final review. These work orders will be captured in actual CA 1 of this pip.

Last Updated By: TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 04/10/2006

Please consider this as a category 4 pip, for tracking and trending only!

This pip is being generated to identify NIS-2 report not being filed for ASME Section XI component within 45 day time frame after start-up of refueling outage. The work was not sent to QA for final review until the mid February.
Work Order 98727683 for components associated with the 2B2 RC Pump Motor. The work order has the ISI class listed as class "C" but Engineering has listed the components that were noted as corrected, as ISI Class "B".
Please reference pips 06-00750 & 01083 as similar examples of this pip.

Also please include work order package 98669959-01 for hanger number 2-03-0-1480A-H7A component class "B" material replacement. Please reference pip 06-00476 written by Maintenance which was closed before this work order package could be added.

Please keep pip open if possible to make other entries of work orders numbers for same discrepancy as mentioned above:

TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 03/20/2006

Other Units/Components/Systems/Areas Affected(Y,N,U): U

Industry Plants Affected(Y,N,U): U

Immediate Corrective Actions:

Immediate Corrective Action Documents / Work Orders:

	Indiv	Team	Group	Date
Problem Identified By:	TRB6214	WTM5506	IWS	03/20/2006
Problem Entered By:	TRB6214	WTM5506	IWS	03/20/2006

Corrective Actions

CA Seq. No: 1

Resp Group	Status	Orig Group	Event Code	Prop CAC	Cause Code
IWS	Closed	IWS	O2a	E	R

Proposed Corrective Action:

To enter applicable work packages that are received for QA final review that contain ASME Section XI components that require NIS-2 reports need to be submitted to the General Office for NRC with in the 45 day window after start up of the applicable units RFO.

Originated By: TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 03/22/2006

Signature Type	Indiv	Team	Group	Date
Approval Assigned To:	WTM5506	WTM5506	IWS	03/22/2006
Assigned To:	TRB6214	WTM5506	IWS	03/29/2006
Ready For Approval:	TRB6214	WTM5506	IWS	03/29/2006
Approved By:	WTM5506	WTM5506	IWS	03/29/2006

General: Outage: N/A Mode: N/A

Other Tracking Processes

Type	Number	Text

Actual Corrective Action:

Priority: I3b Actual CAC: J Status: Open Due Date: 05/04/2006

Work order 98624863-10 should be added to this pip to identify another work order that was held by Mnt. and was not captured in pip 06-00476.

Last Updated By: TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 04/25/2006

Work Order 98657709-01should be included in this pip for ASME Section XI QA review 2 years after installation.

Last Updated By: TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 04/17/2006

Work Order [redacted] was statused to Maintenance 04/13/05 and received back in QA and ANII 02/16/06.

Last Updated By: TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 04/10/2006

The following work order package was received past the 45 day window after start up of unit 2 RFO and for submitting required NIS-2 report to General Office.

***** Work Order package 98742091 NIS-2 form was initiated by Accountable Engineer on 2/09/2006- 24 days past deadline and actual work was completed at the end of November 2005 for MOD package #OD200349.

Originated By: TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 03/29/2006

Signature Type	Indiv	Team	Group	Date
Assigned To:	TRB6214	WTM5506	IWS	03/22/2006
Accepted By:	WTM5506	WTM5506	IWS	03/29/2006
Due Date:	05/04/2006			

End of the Document for PIP No: O-6-1571
The status of this PIP is: Screened
The duration of this PIP was: 2 days

1. Owner Duke Power Company
Address 526 S. Church Street, Charlotte, NC 28201-1006

1a. Date 3/6/2006

Sheet 1 of 1

2. Plant Oconee Nuclear Station
Address 7800 Rochester Hwy. Seneca, S.C. 29672

2a. Unit ☐ 1 ☑ 2 ☐ 3 ☐ Shared (specify Units _____)

3a. Work Order # 98669959-01
Repair Organization Job #

3. Work Performed By Duke Power Company
Address 526 S. Church Street, Charlotte, NC 28201-1006
Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A

3b. NSM or MM # N/A

4. Identification of System Feedwater Class B

5. (a) Applicable Construction Code B31.7 1969 Edition, S-69 Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports.)

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	Hydraulic Suppressor	GRINNell/ANVIL	35696	N/A	Part number 2003051TP0 WTC# 1053975	UKN	☐ Repaired ☐ Replaced ☑ Replacement	☑ No ☐ Yes
B	Hydraulic Suppressor	GRINNELL	35343	N/A	UNKNOWN	UKN	☐ Repaired ☑ Replaced ☐ Replacement	☑ No ☐ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and each sheet is numbered and the number of sheets is recorded at the top of this form.

7. Description of Work Replaced existing Suppressor with Configuration Type A

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt ☒

Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F

9. Remarks Hanger Number 2-03-0-1480A-H7A
Equipment # EDWHS00Z003

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date N/A

Signed [signature] QA. Tech. Support Date 3/20/2006 19 TRD
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 Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 3-20-06 to 3-20-06; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection

[signature] Commissions NC1444 NBBC
Inspector's Signature National Board, State, Providence and Endorsements

Date 3-20-06 19 06

PIP Serial No:	Action Category:	LER No:	Other Report:
O-06-01571			

Problem Identification

Discovered Time/Date: 14:29 03/20/2006 **Occurred Time/Date:**

Unit(s) Affected:

Unit	Mode	%Power	Unit Status Remarks
2	N/A	100	operating

System(s) Affected:

FDW Feedwater
RC Reactor Coolant

Affected Equipment

(No Equipment Affected)

Location of Problem:

Bldg: Column Line: Elev:

Location Remarks:

Method Used to Discover Problem:
Final Q. A. review of work order packages

Brief Problem Description:
he ASME Section XI repair/replacement NIS-2 forms and report completions for work orders mentioned in detailed problem discription.

Detail Problem Description:

Please consider this as a category 4 pip, for tracking and trending only!

This pip is being generated to identify NIS-2 report not being filed for ASME Section XI component within 45 day time frame after start-up of refueling outage. The work was not sent to QA for final review until the mid February.
Work Order 98727683 for components associated with the 2B2 RC Pump Motor. The work order has the ISI class listed as class "C" but Engineering has listed the components that were noted as corrected, as ISI Class "B".
Please reference pips 06-00750 & 01083 as similar examples of this pip.

Also please include work order package 98669959-01 for hanger number 2-03-0-1480A-H7A component class "B" material replacement. Please reference pip 06-00476 written by Maintenance which was closed before this work order package could be added.

Please keep pip open if possible to make other entries of work orders numbers for same discrepancy as mentioned above:

TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 03/20/2006

Other Units/Components/Systems/Areas Affected(Y,N,U): U

Industry Plants Affected(Y,N,U): U

Immediate Corrective Actions:

Immediate Corrective Action Documents / Work Orders:

Indiv	Team	Group	Date

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
98701069	1 of 2

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 Date *See Sheet 2 of 2 2/27/06

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

4. Identification of System, ASME Class

2A Reactor Building Cooling Unit (RBCU) Coils , ASME Class 2 *See Sheet 2 of 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2A RBCU Coils See Item (1) in Remarks Section	Aerofin Corporation	Not available	Not available	None	1994	Corrected	YES

7. Description of Work

PM on the 2A RBCU Coils (tube cleaning and eddy current testing) required disassembly/reassembly of the cooler channel head. This involved disassembling the Low Pressure Service (LPSW) piping from the coils. The 5/8-inch diameter LPSW piping bolting material for the piping-to-coil flanges required replacement due to surface degradation. Additionally, due to coil tube inlet erosion, protective stiffener sleeves were installed in the ends of selected tubes.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other pressure test

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98701069	2 of 2

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

❶ Replaced one hundred twenty-eight (128) 5/8-inch diameter nuts and sixty-four (64) 5/8-inch diameter studs on the 2A RBCU Coil flanges (UTC # 0001074343, Stock Code 293556, and UTC # 0001074195, Stock Code # 297412)

Installed stiffener sleeves in selected tube ends of the 2A coils (approximately 50 sleeves in each of the 4 coils). Framatome part number 5055094-002, Stock Code # 576062, UTC # 0001083956.

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❸ *The original NIS-2, completed on 11/16/05, incorrectly identified the ASME class of the system as Class 3,

❹ instead of Class 2. This NIS-2 has been corrected to reflect the Class 2 (ISI Class B) designation of the LPSW

❺ System. (Reference PIP O-06-01083.) JH Batton 2/27/06

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed James H Batton, engineer Date 2/27/06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-5-05 to 4-11-06, 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 NC1444 NIABC
National Board, State, Province, and Endorsements

Date 4-11-06

PIP Serial No:	Action Category:	LER No:	Other Report:
O-06-01083	3		

Problem Identification

Discovered Time/Date: 12:14 02/27/2006 **Occurred Time/Date:**

Unit(s) Affected:

Unit	Mode	%Power	Unit Status Remarks
2	N/A	100	

System(s) Affected:

LPS Low Pressure Service Water
RBC Reactor Building Cooling

Affected Equipment

WMS Equipment Code	Unit Code	System Code	Type Code	Suffix	ECode	Manufacturer
ON2RBCHX000B	2	RBC	HX	000B	181543	
ON2RBCHX000C	2	RBC	HX	000C	181544	
ON2RBCHX000A	2	RBC	HX	000A	181542	

Location of Problem:

Bldg: Column Line: Elev:

Location Remarks:

Method Used to Discover Problem:
QA Review of ONS-2 EOC-21 related NIS-2's in WO packages.

Brief Problem Description:
The ASME Section XI repair/replacement NIS-2 forms completed for the 2A, 2B and 2C RBCU coil repairs incorrected identified the ISI class as C rather than B.

Detail Problem Description:
The ASME Section XI repair/replacement activity NIS-2 forms completed for the 2A, 2B and 2C RBCU repairs during Unit 2 EOC-21 outage incorrectly identified the In-service Inspection (ISI) class for the cooler as "C", whereas it should have been designated as ISI Class "B". The Reactor Building Cooling Unit Coils, as components, are constructed to ASME Section III Class 3 (Class C). However, they are contained within the Low Pressure Service Water (LPSW) piping system which is designated as Duke Class F, ISI Class B.

From an ISI standpoint, the LPSW piping bolt material replacement performed under the referenced Work Orders below should have been treated as ISI Class B, since the flanged bolted connections are part of the system. The cooling coil tube plugging and sleeving repairs performed under the same Work Orders could have been treated as ISI Class C, since they are repairs to the coils themselves and not the system. Conservatively no distinction is being made and the entire repair scope is being treated as ISI Class B.

References:
OFD-124B-2.2
OM 235-0513 - RBCU Cooling Coil outline drawing
Work Order # 98701069 task 01 - 2A RBCU
Work Order # 98704023 task 01 - 2B RBCU
Work Order # 98701070 task 01 - 2C RBCU

The ASME Section XI report submitted to the NRC after a refueling outage is only required to include repair/replacement documentation (NIS-2's) associated with class A and B repair/replacements. Since the Section XI documentation for the 2A, 2B and 2C RBCU Cooling Coil repairs was incorrectly designated as Class C, it was not included in the last NRC report.

The Section XI documentation (NIS-2 forms) needs to be corrected and submitted to the NRC with the next Section XI report.
This is a documentation only issue.

This is similar to the incorrect designation of ISI Class that occurred for the 2A Letdown Cooler replacement, documented in PIP O-06-00750.)

Originated By: JHB7315: BATTON, JAMES H Team: PMS7313 Group: MCE Date: 02/27/2006

Other Units/Components/Systems/Areas Affected(Y,N,U): U

Industry Plants Affected(Y,N,U): U

Immediate Corrective Actions:

Immediate Corrective Action Documents / Work Orders:

	Indiv	Team	Group	Date
Problem Identified By:	JHB7315	PMS7313	MCE	02/27/2006
Problem Entered By:	JHB7315	PMS7313	MCE	02/27/2006

Problem Evaluation

Event	Cause Code	Cause Description	Primary	Causing Groups
O2a	F3e	Self-checking not applied to ensure intended actio	Yes	MCE

Problem Evaluation From: Resp. Group: MCE Status: Closed OEDB Checked: Yes

Provided additional information in Problem Evaluation below.

Last Updated By: JHB7315: BATTON, JAMES H Team: PMS7313 Group: MCE Date: 03/09/2006

PROBLEM DESCRIPTION:

The ASME Section XI repair/replacement activity NIS-2 forms completed for the 2A, 2B and 2C RBCU repairs during Unit 2 EOC-21 outage incorrectly identified the In-service Inspection (ISI) class for the coolers as "C", whereas it should have been designated as ISI Class "B". The Reactor Building Cooling Unit Coils, as components, were constructed to ASME Section III Class 3 (Class C). However, they are contained within the Low Pressure Service Water (LPSW) piping system which is designated as Duke Class F, ISI Class B (Class 2).

INAPPROPRIATE ACTION:

This was a human error that occurred in completing Line 4 of the NIS-2 form. The ASME Class for the RBCU Coil repairs (bolting replacement and tube plugging/sleeving) should have been designated to be "Class 2" instead of "Class 3" to be consistent with the class designation for the LPSW System.

SYSTEM EQUIPMENT PROBLEM:
N/A - No system or equipment problem associated with this incident.

APPARENT CAUSE:

The Apparent Cause is unsufficient understanding of the Section XI program and lack of questioning attitude by the MCE VHE engineer in completing the NIS-2 form - a relatively new, infrequently performed activity for the engineer.

The MCE VHE Engineer completing the NIS-2 should have had more of a questioning attitude in completing the form and should have reviewed S.D. 2.1.9, ASME Section XI Repair/Replacement. On the NIS-2 form, Line 4, Identification of System, ASME Class, clearly requests the class designation for the "system", which would be Class 2 for the LPSW system in the case of the RBCU Coil flange bolting replacement and tube plugging/sleeving activities.

discussing this further with the MCE Repair/Replacement Program engineer, in Line 4 of the NIS-2 the "ASME Class" has basically two meanings:

1) when working on a system or replacing a component in the system the ASME class is the system construction code class or ISI class.

2) when repairing a component such as welding plugs in a heat exchanger tube or replacing the disc in a valve, the ASME class is determined from the construction code of the component (or if that is unknown it is the construction code for the system).

Thus, there could be times in component repair in which Line 4 of the NIS-2 would NOT be the ASME Class of the system, but rather the Class to which the component was constructed. (For example, just plugging tubes in a RBCU Coil could be classified as a ASME Class 3, the construction code for the coils, whereas replacing the bolting that connects the RBCU Coil flanges to the LPSW piping flanges would need to be Class 2, consistent with the LPSW piping classification.)

For the RBCU Coil NIS-2's in question, the Line 4 "ASME Class" was unfortunately identified incorrectly by the MCE VHE engineer and needed to be corrected.

SUPPORTING INFORMATION:

Side note: This event is nearly identical to the incorrect NIS-2 form completion documented in PIP O-06-0750 on the Unit 2A Letdown Cooler replacement. The NIS-2 forms for the Letdown Cooler and for the RBCU coils addressed in this PIP were completed at about the same time, fall 2005, by the same MCE VHE engineer.

CORRECTIVE ACTIONS:

The NIS-2 forms for the 2A, 2B and 2C RBCU Coil maintenance were rewritten with the proper ISI Class identified. The NIS-2's were re-routed to the ASME Section XI Reviewer, the ANII and QA. The rewritten NIS-2 included a footnote with a brief description of the changes made and a reference to this PIP for historical purposes.

The MCE VHE engineer has reviewed S.D. 2.1.9 and become more familiar with the requirements and intent of the NIS-2 form.

No additional corrective actions are required for this PIP.

OEDB Comments:

OEDB search performed using Description keywords: NIS-2, Section XI, ASME Class 2, 3.

No pertinent operating experience items were found.

Originated By: JHB7315: BATTON, JAMES H Team: PMS7313 Group: MCE Date: 03/08/2006

Remarks Comments:

Signature Type	Indiv.	Team	Group	Date
Due Date:	03/29/2006			
Accepted By:	PMS7313	PMS7313	MCE	03/02/2006
Assigned To:	JHB7315	PMS7313	MCE	03/02/2006
Approval Assigned To:	PMS7313	PMS7313	MCE	03/09/2006
Ready For Approval:	JHB7315	PMS7313	MCE	03/09/2006
Approved By:	PMS7313	PMS7313	MCE	03/13/2006

End of the Document for PIP No: O-6-1083
The status of this PIP is: Closed

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
98701070	1 of 2

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 Date *See Sheet 2 of 2 2/27/2006

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

4. Identification of System, ASME Class

2C Reactor Building Cooling Unit (RBCU) Coils , ASME Class 2 *See Sheet 2 of 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2C RBCU Coils See Item (1) in Remarks Section	Aerofin Corporation	Not available	Not available	None	1994	Corrected	YES

7. Description of Work

PM on the 2C RBCU Coils (tube cleaning and eddy current testing) required disassembly/reassembly of the cooler channel head. This involved disassembling the Low Pressure Service (LPSW) piping from the coils. The 5/8-inch diameter LPSW piping bolting material for the piping-to-coil flanges required replacement due to surface degradation. Additionally, due to coil tube inlet erosion, protective stiffener sleeves were installed in the ends of selected tubes.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other pressure test

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98701070	2 of 2

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

❶ Replaced one hundred twenty-eight (128) 5/8-inch diameter nuts and sixty-four (64) 5/8-inch diameter studs on the 2C RBCU Coil flanges (UTC # 0001074343, Stock Code 293556, and UTC # 0001074195, Stock Code # 297412)

Installed stiffener sleeves in selected tube ends of the 2C coils (approximately 50 sleeves in each of the 4 coils). Framatome part number 5055094-002, Stock Code # 576062, UTC # 0001083956.

❷

❸ *The original NIS-2, completed on 11/16/05, incorrectly identified the ASME class of the system as Class 3,

❹ instead of Class 2. This NIS-2 has been corrected to reflect the Class 2 (ISI Class B) designation of the LPSW

❺ System. (Reference PIP O-06-01083.) JH Batton 2/27/06

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed James H Batton, engineer Date 2/27/06

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-5-05 to 4-11-06, 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 NC 1444 NIABC

Inspector's Signature

National Board, State, Province, and Endorsements

Date 4-11-06

PIP Serial No:	Action Category:	LER No:	Other Report:
O-06-01083	3		

Problem Identification

Discovered Time/Date: 12:14 02/27/2006 **Occurred Time/Date:**

Unit(s) Affected:

Unit	Mode	%Power	Unit Status Remarks
2	N/A	100	

System(s) Affected:

LPS Low Pressure Service Water
RBC Reactor Building Cooling

Affected Equipment

WMS Equipment Code	Unit Code	System Code	Type Code	Suffix	ECode	Manufacturer
ON2RBCHX000B	2	RBC	HX	000B	181543	
ON2RBCHX000C	2	RBC	HX	000C	181544	
ON2RBCHX000A	2	RBC	HX	000A	181542	

Location of Problem:

Bldg: Column Line: Elev:

Location Remarks:

Method Used to Discover Problem:
QA Review of ONS-2 EOC-21 related NIS-2's in WO packages.

Brief Problem Description:
The ASME Section XI repair/replacement NIS-2 forms completed for the 2A, 2B and 2C RBCU coil repairs incorrected identified the ISI class as C rather than B.

Detail Problem Description:
The ASME Section XI repair/replacement activity NIS-2 forms completed for the 2A, 2B and 2C RBCU repairs during Unit 2 EOC-21 outage incorrectly identified the In-service Inspection (ISI) class for the cooler as "C", whereas it should have been designated as ISI Class "B". The Reactor Building Cooling Unit Coils, as components, are constructed to ASME Section III Class 3 (Class C). However, they are contained within the Low Pressure Service Water (LPSW) piping system which is designated as Duke Class F, ISI Class B.

From an ISI standpoint, the LPSW piping bolt material replacement performed under the referenced Work Orders below should have been treated as ISI Class B, since the flanged bolted connections are part of the system. The cooling coil tube plugging and sleeving repairs performed under the same Work Orders could have been treated as ISI Class C, since they are repairs to the coils themselves and not the system. Conservatively no distinction is being made and the entire repair scope is being treated as ISI Class B.

References:
OFD-124B-2.2
OM 235-0513 - RBCU Cooling Coil outline drawing
Work Order # 98701069 task 01 - 2A RBCU
Work Order # 98704023 task 01 - 2B RBCU
Work Order # 98701070 task 01 - 2C RBCU

The ASME Section XI report submitted to the NRC after a refueling outage is only required to include repair/replacement documentation (NIS-2's) associated with class A and B repair/replacements. Since the Section XI documentation for the 2A, 2B and 2C RBCU Cooling Coil repairs was incorrectly designated as Class C, it was not included in the last NRC report.

The Section XI documentation (NIS-2 forms) needs to be corrected and submitted to the NRC with the next Section XI report.
This is a documentation only issue.

This is similar to the incorrect designation of ISI Class that occurred for the 2A Letdown Cooler replacement, documented in PIP O-06-00750.)

Originated By: JHB7315: BATTON, JAMES H Team: PMS7313 Group: MCE Date: 02/27/2006

Other Units/Components/Systems/Areas Affected(Y,N,U): U

Industry Plants Affected(Y,N,U): U

Immediate Corrective Actions:

Immediate Corrective Action Documents / Work Orders:

	Indiv	Team	Group	Date
Problem Identified By:	JHB7315	PMS7313	MCE	02/27/2006
Problem Entered By:	JHB7315	PMS7313	MCE	02/27/2006

Problem Evaluation

Event	Cause Code	Cause Description	Primary	Causing Groups
O2a	F3e	Self-checking not applied to ensure intended actio	Yes	MCE

Problem Evaluation From: Resp. Group: MCE Status: Closed OEDB Checked: Yes

Provided additional information in Problem Evaluation below.

Last Updated By: JHB7315: BATTON, JAMES H Team: PMS7313 Group: MCE Date: 03/09/2006

PROBLEM DESCRIPTION:

The ASME Section XI repair/replacement activity NIS-2 forms completed for the 2A, 2B and 2C RBCU repairs during Unit 2 EOC-21 outage incorrectly identified the In-service Inspection (ISI) class for the coolers as "C", whereas it should have been designated as ISI Class "B". The Reactor Building Cooling Unit Coils, as components, were constructed to ASME Section III Class 3 (Class C). However, they are contained within the Low Pressure Service Water (LPSW) piping system which is designated as Duke Class F, ISI Class B (Class 2).

INAPPROPRIATE ACTION:

This was a human error that occurred in completing Line 4 of the NIS-2 form. The ASME Class for the RBCU Coil repairs (bolting replacement and tube plugging/sleeving) should have been designated to be "Class 2" instead of "Class 3" to be consistent with the class designation for the LPSW System.

SYSTEM EQUIPMENT PROBLEM:
N/A - No system or equipment problem associated with this incident.

APPARENT CAUSE:

The Apparent Cause is unsufficient understanding of the Section XI program and lack of questioning attitude by the MCE VHE engineer in completing the NIS-2 form - a relatively new, infrequently performed activity for the engineer.

The MCE VHE Engineer completing the NIS-2 should have had more of a questioning attitude in completing the form and should have reviewed S.D. 2.1.9, ASME Section XI Repair/Replacement. On the NIS-2 form, Line 4, Identification of System, ASME Class, clearly requests the class designation for the "system", which would be Class 2 for the LPSW system in the case of the RBCU Coil flange bolting replacement and tube plugging/sleeving activities.

discussing this further with the MCE Repair/Replacement Program engineer, in Line 4 of the NIS-2 the "ASME Class" has basically two meanings:
1) when working on a system or replacing a component in the system the ASME class is the system construction code class or ISI class.

2) when repairing a component such as welding plugs in a heat exchanger tube or replacing the disc in a valve, the ASME class is determined from the construction code of the component (or if that is unknown it is the construction code for the system).

Thus, there could be times in component repair in which Line 4 of the NIS-2 would NOT be the ASME Class of the system, but rather the Class to which the component was constructed. (For example, just plugging tubes in a RBCU Coil could be classified as a ASME Class 3, the construction code for the coils, whereas replacing the bolting that connects the RBCU Coil flanges to the LPSW piping flanges would need to be Class 2, consistent with the LPSW piping classification.)

For the RBCU Coil NIS-2's in question, the Line 4 "ASME Class" was unfortunately identified incorrectly by the MCE VHE engineer and needed to be corrected.

SUPPORTING INFORMATION:

Side note: This event is nearly identical to the incorrect NIS-2 form completion documented in PIP O-06-0750 on the Unit 2A Letdown Cooler replacement. The NIS-2 forms for the Letdown Cooler and for the RBCU coils addressed in this PIP were completed at about the same time, fall 2005, by the same MCE VHE engineer.

CORRECTIVE ACTIONS:

The NIS-2 forms for the 2A, 2B and 2C RBCU Coil maintenance were rewritten with the proper ISI Class identified. The NIS-2's were re-routed to the ASME Section XI Reviewer, the ANII and QA. The rewritten NIS-2 included a footnote with a brief description of the changes made and a reference to this PIP for historical purposes.

The MCE VHE engineer has reviewed S.D. 2.1.9 and become more familiar with the requirements and intent of the NIS-2 form.

No additional corrective actions are required for this PIP.

OEDB Comments:
OEDB search performed using Description keywords: NIS-2, Section XI, ASME Class 2, 3.

No pertinent operating experience items were found.

Originated By: JHB7315: BATTON, JAMES H Team: PMS7313 Group: MCE Date: 03/08/2006

Remarks Comments:

Signature Type	Indiv	Team	Group	Date
Due Date:	03/29/2006			
Accepted By:	PMS7313	PMS7313	MCE	03/02/2006
Assigned To:	JHB7315	PMS7313	MCE	03/02/2006
Approval Assigned To:	PMS7313	PMS7313	MCE	03/09/2006
Ready For Approval:	JHB7315	PMS7313	MCE	03/09/2006
Approved By:	PMS7313	PMS7313	MCE	03/13/2006

End of the Document for PIP No: O-6-1083
The status of this PIP is: Closed

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
98704023	1 of 2

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 Date ~~See Sheet 2 of 2~~ 2/27/2006

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

4. Identification of System, ASME Class

2B Reactor Building Cooling Unit (RBCU) Coils , ASME Class 2 ~~See Sheet 2 of 2~~

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2B RBCU Coils See Item (1) in Remarks Section	Aerofin Corporation	Not available	Not available	None	1994	Corrected	YES

7. Description of Work

PM on the 2B RBCU Coils (tube cleaning and eddy current testing) required disassembly/reassembly of the cooler channel head. This involved disassembling the Low Pressure Service (LPSW) piping from the coils. The 5/8-inch diameter LPSW piping bolting material for the piping-to-coil flanges required replacement due to surface degradation. Additionally, due to coil tube inlet erosion, protective stiffener sleeves were installed in the ends of selected tubes.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other pressure test

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98704023	2 of 2

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

❶ Replaced one hundred twenty-eight (128) 5/8-inch diameter nuts and sixty-four (64) 5/8-inch diameter studs on the 2B RBCU Coil flanges (UTC # 0001074343, Stock Code 293556, and UTC # 0001078280, Stock Code # 297412)

Installed stiffener sleeves in selected tube ends of the 2B coils (approximately 50 sleeves in each of the 4 coils). Framatome part number 5055094-002, Stock Code # 576062, UTC # 0001083956.

❷

❸ *The original NIS-2, completed on 11/16/05, incorrectly identified the ASME class of the system as Class 3,

❹ instead of Class 2. This NIS-2 has been corrected to reflect the Class 2 (ISI Class B) designation of the LPSW

❺ System. (Reference PIP O-06-01083.) JH Batton 2/27/06

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed James H Batton, engineer Date 2/27/06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-5-05 to 4-11-06, 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 NC1444 N/NB

Inspector's Signature

National Board, State, Province, and Endorsements

Date 4-11-06

PIP Serial No:	Action Category:	LER No:	Other Report:
O-06-01083	3		

Problem Identification

Discovered Time/Date: 12:14 02/27/2006 **Occurred Time/Date:**

Unit(s) Affected:

Unit	Mode	%Power	Unit Status Remarks
2	N/A	100	

System(s) Affected:

LPS Low Pressure Service Water
RBC Reactor Building Cooling

Affected Equipment

WMS Equipment Code	Unit Code	System Code	Type Code	Suffix	ECode	Manufacturer
ON2RBCHX000B	2	RBC	HX	000B	181543	
ON2RBCHX000C	2	RBC	HX	000C	181544	
ON2RBCHX000A	2	RBC	HX	000A	181542	

Location of Problem:

Bldg: Column Line: Elev:

Location Remarks:

Method Used to Discover Problem:
QA Review of ONS-2 EOC-21 related NIS-2's in WO packages.

Brief Problem Description:
The ASME Section XI repair/replacement NIS-2 forms completed for the 2A, 2B and 2C RBCU coil repairs incorrected identified the ISI class as C rather than B.

Detail Problem Description:
The ASME Section XI repair/replacement activity NIS-2 forms completed for the 2A, 2B and 2C RBCU repairs during Unit 2 EOC-21 outage incorrectly identified the In-service Inspection (ISI) class for the cooler as "C", whereas it should have been designated as ISI Class "B". The Reactor Building Cooling Unit Coils, as components, are constructed to ASME Section III Class 3 (Class C). However, they are contained within the Low Pressure Service Water (LPSW) piping system which is designated as Duke Class F, ISI Class B.

From an ISI standpoint, the LPSW piping bolt material replacement performed under the referenced Work Orders below should have been treated as ISI Class B, since the flanged bolted connections are part of the system. The cooling coil tube plugging and sleeving repairs performed under the same Work Orders could have been treated as ISI Class C, since they are repairs to the coils themselves and not the system. Conservatively no distinction is being made and the entire repair scope is being treated as ISI Class B.

References:
OFD-124B-2.2
OM 235-0513 - RBCU Cooling Coil outline drawing
Work Order # 98701069 task 01 - 2A RBCU
Work Order # 98704023 task 01 - 2B RBCU
Work Order # 98701070 task 01 - 2C RBCU

The ASME Section XI report submitted to the NRC after a refueling outage is only required to include repair/replacement documentation (NIS-2's) associated with class A and B repair/replacements. Since the Section XI documentation for the 2A, 2B and 2C RBCU Cooling Coil repairs was incorrectly designated as Class C, it was not included in the last NRC report.

The Section XI documentation (NIS-2 forms) needs to be corrected and submitted to the NRC with the next Section XI report.
This is a documentation only issue.

This is similar to the incorrect designation of ISI Class that occurred for the 2A Letdown Cooler replacement, documented in PIP O-06-00750.)

Originated By: JHB7315: BATTON, JAMES H Team: PMS7313 Group: MCE Date: 02/27/2006

Other Units/Components/Systems/Areas Affected(Y,N,U): U

Industry Plants Affected(Y,N,U): U

Immediate Corrective Actions:

Immediate Corrective Action Documents / Work Orders:

	Indiv	Team	Group	Date
Problem Identified By:	JHB7315	PMS7313	MCE	02/27/2006
Problem Entered By:	JHB7315	PMS7313	MCE	02/27/2006

Problem Evaluation

Event	Cause Code	Cause Description	Primary	Causing Groups
O2a	F3e	Self-checking not applied to ensure intended actio	Yes	MCE

Problem Evaluation From: Resp. Group: MCE Status: Closed OEDB Checked: Yes

Provided additional information in Problem Evaluation below.

Last Updated By: JHB7315: BATTON, JAMES H Team: PMS7313 Group: MCE Date: 03/09/2006

PROBLEM DESCRIPTION:

The ASME Section XI repair/replacement activity NIS-2 forms completed for the 2A, 2B and 2C RBCU repairs during Unit 2 EOC-21 outage incorrectly identified the In-service Inspection (ISI) class for the coolers as "C", whereas it should have been designated as ISI Class "B". The Reactor Building Cooling Unit Coils, as components, were constructed to ASME Section III Class 3 (Class C). However, they are contained within the Low Pressure Service Water (LPSW) piping system which is designated as Duke Class F, ISI Class B (Class 2).

INAPPROPRIATE ACTION:

This was a human error that occurred in completing Line 4 of the NIS-2 form. The ASME Class for the RBCU Coil repairs (bolting replacement and tube plugging/sleeving) should have been designated to be "Class 2" instead of "Class 3" to be consistent with the class designation for the LPSW System.

SYSTEM EQUIPMENT PROBLEM:
N/A - No system or equipment problem associated with this incident.

APPARENT CAUSE:

The Apparent Cause is unsufficient understanding of the Section XI program and lack of questioning attitude by the MCE VHE engineer in completing the NIS-2 form - a relatively new, infrequently performed activity for the engineer.

The MCE VHE Engineer completing the NIS-2 should have had more of a questioning attitude in completing the form and should have reviewed S.D. 2.1.9, ASME Section XI Repair/Replacement. On the NIS-2 form, Line 4, Identification of System, ASME Class, clearly requests the class designation for the "system", which would be Class 2 for the LPSW system in the case of the RBCU Coil flange bolting replacement and tube plugging/sleeving activities.

discussing this further with the MCE Repair/Replacement Program engineer, in Line 4 of the NIS-2 the "ASME Class" has basically two meanings:
1) when working on a system or replacing a component in the system the ASME class is the system construction code class or ISI class.

2) when repairing a component such as welding plugs in a heat exchanger tube or replacing the disc in a valve, the ASME class is determined from the construction code of the component (or if that is unknown it is the construction code for the system).

Thus, there could be times in component repair in which Line 4 of the NIS-2 would NOT be the ASME Class of the system, but rather the Class to which the component was constructed. (For example, just plugging tubes in a RBCU Coil could be classified as a ASME Class 3, the construction code for the coils, whereas replacing the bolting that connects the RBCU Coil flanges to the LPSW piping flanges would need to be Class 2, consistent with the LPSW piping classification.)

For the RBCU Coil NIS-2's in question, the Line 4 "ASME Class" was unfortunately identified incorrectly by the MCE VHE engineer and needed to be corrected.

SUPPORTING INFORMATION:

Side note: This event is nearly identical to the incorrect NIS-2 form completion documented in PIP O-06-0750 on the Unit 2A Letdown Cooler replacement. The NIS-2 forms for the Letdown Cooler and for the RBCU coils addressed in this PIP were completed at about the same time, fall 2005, by the same MCE VHE engineer.

CORRECTIVE ACTIONS:

The NIS-2 forms for the 2A, 2B and 2C RBCU Coil maintenance were rewritten with the proper ISI Class identified. The NIS-2's were re-routed to the ASME Section XI Reviewer, the ANII and QA. The rewritten NIS-2 included a footnote with a brief description of the changes made and a reference to this PIP for historical purposes.

The MCE VHE engineer has reviewed S.D. 2.1.9 and become more familiar with the requirements and intent of the NIS-2 form.

No additional corrective actions are required for this PIP.

OEDB Comments:
OEDB search performed using Description keywords: NIS-2, Section XI, ASME Class 2, 3.

No pertinent operating experience items were found.

Originated By: JHB7315: BATTON, JAMES H Team: PMS7313 Group: MCE Date: 03/08/2006

Remarks Comments:

Signature Type:	Indiv	Team	Group	Date
Due Date:	03/29/2006			
Accepted By:	PMS7313	PMS7313	MCE	03/02/2006
Assigned To:	JHB7315	PMS7313	MCE	03/02/2006
Approval Assigned To:	PMS7313	PMS7313	MCE	03/09/2006
Ready For Approval:	JHB7315	PMS7313	MCE	03/09/2006
Approved By:	PMS7313	PMS7313	MCE	03/13/2006

End of the Document for PIP No: O-6-1083
The status of this PIP is: Closed

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
98727683-10	1 of 2

1. Owner

Duke Power Company
526 South Church Street
Charlotte, NC 28201-1006

2. Plant

Oconee Nuclear Station
7800 Rochester Hwy
Seneca, SC 29672

Unit ONS - 2

Date 11/9/2005

3. Work Performed by

Duke Power Company
526 South Church Street
Charlotte, NC 28201-1006

Type Code Symbol Stamp Not Applicable

Authorization Number Not Applicable

Expiration Date Not Applicable

4. Identification of System, ASME Class

LPSW, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.1 19 67 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2 RC MR 0004PUM	Westinghouse	2S-76P1	na	na	1970	Corrected	NO

7. Description of Work

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑ Other In Service PCS 2/4/01

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98727683-10	2 of 2

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

❶ Install new threaded rod/bolts on the LPSW flanges as follows: Threaded Rod, SC# 297412, 5/8-11, SA193 B7, UTC# 1083362
Hex Nut, SC# 131549, 5/8-11, UNC-2B, SA563 Gr A, UTC# 1074008
Threaded Rod, SC# 297413, 3/4-10, UNC-2A, SA 193 GR B7, UTC# 1077723
Hex Nut, SC# 131729, 3/4-10, UNC-2B, SA 194 GR 7
Threaded Rod, SC#297411, 1/2-13 UNC-2A, SA 193 Gr B7, UTC# 1079049
Hex Nut, SC# 131512, 1/2-13 UNC-2B, SA563 GrC, UTC# 989650

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Patti Sonza Engineer Date 11/17/05
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9-25-05 to 2-28-06, 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

2-28-06

Commissions NC1444 NBABC
National Board, State, Province, and Endorsements

PIP Serial No:	Action Category:	LER No:	Other Report:
O-06-01571	4		

Problem Identification

Discovered Time/Date: 14:29 03/20/2006 **Occurred Time/Date:**

Unit(s) Affected:

Unit	Mode	%Power	Unit Status Remarks
2	N/A	100	operating

System(s) Affected:

FDW Feedwater
RC Reactor Coolant

Affected Equipment

(No Equipment Affected)

Location of Problem:

Bldg: Column Line: Elev:

Location Remarks:

Method Used to Discover Problem:
Final Q. A. review of work order packages

Brief Problem Description:
The ASME Section XI repair/replacement NIS-2 forms and report completions for work orders mentioned in detailed problem discription.

Detail Problem Description:
The pip is also to capture other work orders that maintenance has held pending engineering information or needed documentation required to satisfy QA or ANII requirements for final review. These work orders will be captured in actual CA 1 of this pip.

Last Updated By: TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 04/10/2006

Please consider this as a category 4 pip, for tracking and trending only!

This pip is being generated to identify NIS-2 report not being filed for ASME Section XI component within 45 day time frame after start-up of refueling outage. The work was not sent to QA for final review until the mid February.
Work Order 98727683 for components associated with the 2B2 RC Pump Motor. The work order has the ISI class listed as class "C" but Engineering has listed the components that were noted as corrected, as ISI Class "B".
Please reference pips 06-00750 & 01083 as similar examples of this pip.

Also please include work order package 98669959-01 for hanger number 2-03-0-1480A-H7A component class "B" material replacement. Please reference pip 06-00476 written by Maintenance which was closed before this work order package could be added.

Please keep pip open if possible to make other entries of work orders numbers for same discrepancy as mentioned above:

TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 03/20/2006

Other Units/Components/Systems/Areas Affected(Y,N,U): U

Industry Plants Affected(Y,N,U): U

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98536821	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 3/1/2006

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

4. Identification of System, ASME Class

Emergency Feedwater, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Hanger 2-03A-1-O-1439A-R61 (1)	DPC	None	None	None	1974	Corrected	NO

7. Description of Work

Repair weld quality. During an inspection the quality of one of the welds was determined not to be up to current standards.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
9853682-1 ~~9853621~~	2 of 2

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

1. No material installed except weld metal
Filler Material ER705-2, UTC # 1052667
Filler Material ER7018, UTC # 1059149
2.
3.
4.
5.
6.
7.
8.
9.
10.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

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

Signed: Basil W. Cerny Jr. Senior Engineer Date: 3/1/2006

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4-5-04 to 4-30-06, 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: NC1444 NBIC

National Board, State, Province, and Endorsements

Date 4-30-06

PIP Serial No:	Action Category:	LER No:	Other Report:
O-06-00476	3		

Problem Identification

Discovered Time/Date: 10:42 01/27/2006 **Occurred Time/Date:**

Unit(s) Affected:

Unit	Mode	%Power	Unit Status Remarks
N/A	N/A	100	N/A

System(s) Affected:
N/A Not Related to a Unit"s System.

Affected Equipment

(No Equipment Affected)

Location of Problem:
Bldg: Column Line: Elev:

Location Remarks:

Method Used to Discover Problem:

Brief Problem Description:
Work Packages not processed by Mechanical Services teams in a timely manner.

Detail Problem Description:
98656697-01
98536821-01
98586396-01
98657709-01
98671891-01

Last Updated By: TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 02/02/2006

This work orders 98674209-01, 98674628-01, 98641556-02, 98634132-01, 98656284-01 should be included in this PIP.

Last Updated By: TRB6214: BOWEN, THOMAS R Team: WTM5506 Group: IWS Date: 01/30/2006

It was recently discovered that a population of old work orders and their associated packages had not been turned in to QC for final review. As a result, some upgraded Section X1 components had not had their NIS-2 documentation completed as required. In many cases, packages are held when the technical work is completed so that support tasks for scaffold removal, coating, grouting, or similar tasks can complete. When that occurs and the work order in WMS is completed, the paper packages are sometimes delayed in getting back to QC/Engineering for final evaluation. In the case of this population of work orders, these packages have been significantly delayed, leading to a failure in the timely completion of NIS-2 paperwork and violation of Maintenance Directive MD 7.5.10. The work orders affected are 98536821-01, 98625986-09, 98555377-10, 98624861-22, 98671891-01, 98656697-01, 98657709-01, 98586399-01, 98586396-01, and 98656689-01.

The supervisor who had possession of these packages has now processed all of them and turned them in. He has been counseled on the timely completion and submission of paperwork following the completion of the work. A process will be put in place this week to ensure that all work packages are monitored on a weekly basis to ensure that none are retained after field work completes.

Assign this PIP to ONS Maintenance Mechanical Services for documentation of further corrective actions.

Originated By: PJC6846: CULBERTSON, PHILIP J Team: CEC0320 Group: MNT Date: 01/27/2006

Other Units/Components/Systems/Areas Affected(Y,N,U): U

Industry Plants Affected(Y,N,U): U

Immediate Corrective Actions:

Immediate Corrective Action Documents / Work Orders:

	Indiv	Team	Group	Date
Problem Identified By:	PJC6846	CEC0320	MNT	01/27/2006
Problem Entered By:	PJC6846	CEC0320	MNT	01/27/2006

End of the Document for PIP No: O-6-476
The status of this PIP is: Closed
The duration of this PIP was: 39 days

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

2-50-O-1066A-RCAM-2M-551 Dqf 6/25/07

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01621909 - 17	Page 1 of 3

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochestor Hwy Seneca, SC 28672	2 Date 5/21/2007

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

4. Identification of Systems, ASME Class

Reactor Coolant , ASME Class 1

5.

(a) Applicable Construction Cod USAS B31.7 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	Manufactur:	Manufacture Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
(1) Size 5 rear bracket assembly w/ ears removed.	Grinnell	N/A	UNK	N/A	UNK	Removed	No
(2) 3" x 3" x 1'-0" plate.	N/A	N/A	UNK	N/A	UNK	Removed	No
(3) 1 1/2" x 11" x 11" plate.	N/A	N/A	UNK	N/A	UNK	Removed	No
(4) 3" x 7 1/2" x 1'-2 5/8" plate.	N/A	N/A	UNK	N/A	UNK	Removed	No
(5) Size 5 rear bracket assembly.	Grinnell	N/A	UNK	N/A	UNK	Removed	No
(6) Glastic isolation plate.	N/A	N/A	UNK	N/A	UNK	Removed	No
(7) Size 5, Fig. 201 ext. piece	Anvil	n	UNK	UTC 1845586	UNK	Installed	No
1 1/2" x 11" x 11" plate (item #20)	N/A	N/A	UNK	UTC 1823969	UNK	Installed	No
3" x 3" x 1'-0" plate (item #11)	N/A	N/A	UNK	UTC 1067870	UNK	Installed	No
" x 7 1/2" x 1'-2 5/8" plate (item # 1)	N/A	N/A	UNK	UTC 1846011	UNK	Installed	No

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

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01621909 - 17	Page 2 of 3

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochestor Hwy Seneca, SC 28672	2 Date 5/21/2007

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

4. Identification of Systems, ASME Class

Reactor Coolant , ASME Class 1

5.

(a) Applicable Construction Cod USAS B31.7 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	Manufactur:	Manufacture Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
Glastic isolation plate (item #18)	N/A	N/A	UNK	UTC 1090272	UNK	Installed	No
Size 5 rear bracket assembly	Anvil	N/A	UNK	UTC 1833955	UNK	Installed	No
Size 5 rear bracket assembly	Anvil	N/A	UNK	UTC 1824112	UNK	Installed	No

7 Description of Work

S/R was redesigned per OE200140.

8. Test Conducted

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

Pressure PSI Test Temperature Deg. F

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

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01621909 - 17	Page 1 of 1

3 3

OM 5/25/07

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

(1) New item installed in lieu of existing.

(2) New item installed in lieu of existing.

(3) New item installed in lieu of existing.

(4) New item installed in lieu of existing. A single 6" bar piece instead of 2- 3" pieces was installed.

(5) New item installed in lieu of existing.

(6) New item installed in lieu of existing.

(7) Installed new extension piece

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Autherization Number Not Applicable Expiration Date Not Applicable

Signed [signature] Senior ENG. Date 5/21/07

Owner or Owner's Designee, Title

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and State or province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in the Owner's Report during the period 1-3-07 to 7-16-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commision(s) NC1444 NIABC

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

Date 7/16/07

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

SIR 2-50-0-10CA-RCPM-2AI-552

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01621909 - 18	3 Page 1 of 1

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochestor Hwy Seneca, SC 28672	2 Date 5/21/2007

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

4. Identification of Systems, ASME Class

Reactor Coolant , ASME Class 1

5.

(a) Applicable Construction Cod USAS B31.7 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	Manufactur:	Manufacture Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
(1) Insulating tube for 1" Dia. Bolt	N/A	N/A	UNK	N/A	UNK	Removed	No
(2) 1" Dia. Bolts	N/A	N/A	UNK	N/A	UNK	Removed	No
(3) 1" Dia. Nuts	N/A	N/A	UNK	N/A	UNK	Removed	No
(4) 6" Dia. Sch 160 pipe	N/A	N/A	UNK	N/A	UNK	Removed	No
(5) 1 1/2" plate	Grinnell	N/A	UNK	N/A	UNK	Removed	No
(6) Size 5 rear bracket assemblies (2)	N/A	N/A	UNK	N/A	UNK	Removed	No
(7) Glastic isolation plate	N/A	N/A	UNK	N/A	UNK	Removed	No
1 1/2" plate	N/A	N/A	UNK	UTC 1823969	UNK	Installed	No
1" Dia. Nuts	N/A	N/A	UNK	UTC 1079050	UNK	Installed	No
" Dia. threaded rod	N/A	N/A	UNK	UTC 1846535	UNK	Installed	No

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

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01621909 - 18	Page 2 of 3

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochestor Hwy Seneca, SC 28672	2 Date 5/21/2007

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

4. Identification of Systems, ASME Class

Reactor Coolant , ASME Class 1

5.

(a) Applicable Construction Cod USAS B31.7 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	Manufactur:	Manufacture Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
3/4" plate	N/A	N/A	UNK	UTC 1091175	UNK	Installed	No
6" Dia. Sch 160 pipe	N/A	N/A	UNK	UTC 0877294	UNK	Installed	No
Glastic isolation plate	N/A	N/A	UNK	UTC 1090272	UNK	Installed	No
~~Insulating tube for 1" Dia. Bolt~~	~~N/A~~	~~N/A~~	~~UNK~~	~~N/A~~	~~UNK~~	~~Installed~~	~~No~~
X Does Not Need to Be Listed on NIS2 Report Acct. ENG. R. Childs TRB							
Size 5 rear bracket assembly	Anvil	N/A	UNK	UTC 1824112	UNK	Installed	No
Size 5 rear bracket assembly	Anvil	N/A	UNK	UTC 1833955	UNK	Installed	No
Size 5, Fig. 201 extension piece	Anvil	N/A	UNK	UTC 1845586	UNK	Installed	No

7. Description of Work

S/R was redesigned per OE200140.

8. Test Conducted

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

Pressure PSI Test Temperature Deg. F

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

DRS 5/25/07

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01621909 - 18	3 3 Page 1 of 1

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

(1) New item installed in lieu of existing.

(2) New item installed in lieu of existing.

(3) New item installed in lieu of existing.

(4) New item installed in lieu of existing.

(5) New item installed in lieu of existing.

(6) New item installed in lieu of existing.

(7) New item installed in lieu of existing.

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Autherization Number Not Applicable Expiration Date Not Applicable

Signed [signature] Sr. Engs. Date 5/21/07

Owner or Owner's Designee, Title

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and State or province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in the Owner's Report during the period 1-3-07 to 7/16/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commision(s) NC1444 NIABC

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

Date 7/16/07

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

5/2 2-50-0-1066A-RCPM-2A1-353

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01621909 - 19	3 Page 1 of 2

P3/1 5/25/07

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochestor Hwy Seneca, SC 28672	Unit 2 Date 5/21/2007

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

4. Identification of Systems, ASME Class

Reactor Coolant , ASME Class 1

5.

(a) Applicable Construction Cod USAS B31.7 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	Manufactur:	Manufacture Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
(1) Glastic isolation plate.	N/A	N/A	UNK	N/A	UNK	Removed	No
(2) Size 5 rear bracket assemblies (2).	Grinnell	N/A	UNK	N/A	UNK	Removed	No
(3) Size 5 rear bracket assembly w/ ears removed.	N/A	N/A	UNK	N/A	UNK	Removed	No
(4) #3 Fig. 211 Sway Strut Assembly.	N/A	N/A	UNK	N/A	UNK	Removed	No
(5) 6" Dia. Sch 160 pipe.	N/A	N/A	UNK	N/A	UNK	Removed	No
1 1/2" plate.	N/A	N/A	UNK	UTC 1823969	UNK	Installed	No
8" Dia. Sch 160 pipe.	N/A	N/A	UNK	UTC 1845716	UNK	Installed	No
Glastic isolation plate.	N/A	N/A	UNK	UTC 1090272	UNK	Installed	No
Size 5 rear bracket assembly.	Anvil	N/A	UNK	UTC 1847075	UNK	Installed	No
Size 5 rear bracket assembly.	Anvil	N/A	UNK	UTC 1831825	UNK	Installed	No

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

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01621909 - 19	3 Page 2 of 6

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochestor Hwy Seneca, SC 28672	2 Date 5/21/2007

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

4. Identification of Systems, ASME Class

Reactor Coolant , ASME Class 1

5.

(a) Applicable Construction Cod USAS B31.7 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	Manufactur:	Manufacture Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
Size 5, Fig. 201 extension piece.	Anvil	N/A	UNK	UTC 1845586	UNK	Installed	No

7. Description of Work

S/R was redesigned per OE200140.

8. Test Conducted

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

Pressure PSI Test Temperature Deg. F

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

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01621909 - 19	Page 3 3 of 3

DSP 5/25/07

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

(1) New item installed in lieu of existing.

(2) New item installed in lieu of existing.

(3) New item installed in lieu of existing.

(4) Item is no longer required due to redesign.

(5) Item is no longer required due to redesign.

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Autherization Number Not Applicable Expiration Date Not Applicable

Signed [signature] Sr. Eng Date 5/21/07

Owner or Owner's Designee, Title

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and State or province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in the Owner's Report during the period 1-3-07 to 7-12-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commision(s) NC 1444 NIABC

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

Date 7/16/07

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1723280	1 of 2

1. Owner

Duke Power Company
526 South Church Street
Charlotte, NC 28201-1006

2. Plant

Oconee Nuclear Station
7800 Rochester Hwy
Seneca, SC 29672

Unit: ONS - 2

Date: 5/24/2007

3. Work Performed by

Duke Power Company
526 South Church Street
Charlotte, NC 28201-1006

Type Code Symbol Stamp: Not Applicable

Authorization Number: Not Applicable

Expiration Date: Not Applicable

4. Identification of System, ASME Class

RC, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1-PZR-WP91-1WOL	WSI	None	None	None	2007	Corrected	NO
2-PZR-WP91-2-WOL	WSI	None	None	None	2007	Corrected	NO
2-PZR-WP91-3WOL	WSI	None	None	None	2007	Corrected	NO

7. Description of Work

OD201085 - Weld Overlay on Pressurizer Safetly Relief valve nozzles

Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1723280	2 of 2

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

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed William W. Foster Jr Engineer Date 5/24/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-6-07 to 7-16-07, 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 NC1444 NBBC

National Board, State, Province, and Endorsements

Date 7-16-07

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
1723281	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/23/2007

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

4. Identification of System, ASME Class

RC, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2-RC-0266-23V	WSI	None	None	None	2007	Corrected	NO

7. Description of Work

OD201086 - Weld overlay of the pressurizer spray nozzle butt welds between the Class 1 nozzle, the safe end, and the pipe.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1723281	2 of 2

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

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed William W Foster Jr William W Foster Jr Engineer Date 5/23/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-30-07 to 7-16-07, 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 NC1444 NIAB C

National Board, State, Province, and Endorsements

Date 7-16-07

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
1723282	1 of 2

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 **Date** 5/24/2007

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

4. Identification of System, ASME Class

RC, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1-RC-0326-21V	WSI	None	None	None	2007	Corrected	NO
2-RC-0326-22V	WSI	None	None	None	2007	Corrected	NO

7. Description of Work

OD201087 - Weld overlay of hot leg and pressurizer surge nozzles

Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1723282	2 of 2

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

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed William W Foster Jr Engineer Date 5/24/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-15-07 to 7-16-07, 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 NC1444 NBBC

National Board, State, Province, and Endorsements

Date 7-16-07

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
1719288	1 of 2

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2
		Date 5/15/2007

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

4. Identification of System, ASME Class

High Pressure Injection, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Orifice Flanges Upstream of 2HP-334 (1)	Duke Energy Corporation	N/A	N/A	N/A	1973	Corrected	NO

7. Description of Work

Replace existing nuts due to missing or unreadable markings

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1719288	2 of 2

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

❶ 1 inch, SA194 Grade 2H Nuts; S/C 131798; UTC 1079050; HT # 7240626

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Barry W. Cerny Senior Engineer Date 5/15/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-15-07 to 6-7-07, 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 NC444 NIABC

National Board, State, Province, and Endorsements

Date 6/7/07

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
01753158	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/18/2007

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

4. Identification of System, ASME Class

High Pressure Injection System, ASME Class 1

5.

(a) Applicable Construction Code: ASME Section III 19 83 Edition, W84 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 Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
(1)Valve 2HP-487	Anchor/Darling	EZ496-1-2	1908	None	1996	Corrected	YES

7. Description of Work

OE201820, replace portion of equalization piping (2 1/2" elbows and 2 pieces of 1/2" pipe) on valve 2HP-487.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1753158	2 of 2

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

❶ Removed (2) pieces of 1/2" pipe, UTC unknown, and (2) 1/2" SW elbows, UTC unknown.
Installed (2) pieces of 1/2" pipe, UTC# 1848210, Cat ID# 149458 and (2) 1/2" elbows, UTC# 907660, Cat ID# 80514

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

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

Signed: William W Foster Jr William W Foster Jr Engineer Date: 5/25/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-19-07 to 6-11-07, 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 NC1444 NBBC

National Board, State, Province, and Endorsements

Date 6-11-07

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
1752788	1 of 2

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 Date: 7/12/2007

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

4. Identification of System, ASME Class

Reactor Coolant System, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2RC-4 (PZR Relief Block Valve	Westinghouse	UNK	UNK	DMV-1136	UNK	Corrected	YES

7. Description of Work

Performed seal weld of body to bonnet. No parts changed

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1752788	2 of 2

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

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed John F Turn Engineer Date 7/12/07

Owner or Owner's Designee, Title TAB 7/13/07

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-17-07 to 7-13-07, 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 NC1444 NIABC

National Board, State, Province, and Endorsements

Date 7-13-07

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
1666017	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 7/12/2007

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

4. Identification of System, ASME Class

High Pressure Injection, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Orifice Flange Upstream 2HP-334	DEC	None	None	None	UNK	Corrected	NO

7. Description of Work

Seal weld plug in instrument taps on the orifice flanges. These plugs have a history of leak and they are not used.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1666017	2 of 2

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

❶ No new parts were used. Weld filler metal only item added.

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed [signature] Senior Engineer Date 7/12/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-9-06 to 7-13-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions NC1444 N1ABC

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

Date 7-13-07

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
1753203	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 7/12/2007

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

4. Identification of System, ASME Class

High Pressure Injection, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2 HP 486	Anchor Darling	UNK	UNK	DMV-1048	UNK	Corrected	YES

7. Description of Work

Change weld configuration to establish a 2:1 taper.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1753203	2 of 2

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

❶ Weld Filler Metal

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

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

Signed: Daniel W. Cameron, Senior Engineer Date: 7/12/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-19-07 to 7-13-07, 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 NC 444 NBAS C

National Board, State, Province, and Endorsements

Date 7-13-07

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
1753204	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 7/12/2007

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

4. Identification of System, ASME Class

High Pressure Injection, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2HP-488	Anchor Darling	UNK	UNK	DMV-1048	UNK	Corrected	YES

7. Description of Work

Changed weld configuration to obtain 2:1 taper.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1753204	2 of 2

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

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Basil W. Campbell Jr. Senior Engineer Date 7/12/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-13-07 to 7-13-07, 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 NC1444/NB8C

National Board, State, Province, and Endorsements

Date 7/13/07

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
1753205	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 7/12/2007

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

4. Identification of System, ASME Class

High Pressure Injection, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2 HP 489	Anchor Darling	UNK	UNK	DMV-1048	UNK	Corrected	YES

7. Description of Work

Change weld configuration to establish a 2:1 taper.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1753205	2 of 2

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

❶ Weld Filler Metal

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Basil W. Cameron Jr. Senior Engineer Date 7/12/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-19-07 to 7-13-07, 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 NC1444 NIAB C

National Board, State, Province, and Endorsements

Date 7-13-07

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
1719290	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/15/2007

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

4. Identification of System, ASME Class

High Pressure Injection, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Orifice flange up stream of 2HP-326 (1)	Duke Energy Corporation	N/A	N/A	N/A	1973	Corrected	NO

7. Description of Work

Replace existing nuts due to missing or unreadable markings

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1719290	2 of 2

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

❶ 1 inch, SA194 Grade 2H Nuts; S/C 131798; UTC 1079050; HT # 7240626

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Basil W. Cam Senior Engineer Date 5/15/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-15-07 to 6-13-07, 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 NC1444/NBIABC

National Board, State, Province, and Endorsements

Date 6-13-07

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
01680260-07	1 of 2

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 **Date** 5/22/07

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

4. Identification of System, ASME Class

Reactor Coolant System, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2RC-66	Consolidated	BY-93618	none	none	UNK	Removed	YES
❶ 2RC-66	Consolidated	BS-08032	none	none	UNK	Installed	YES

7. Description of Work

Valve, serial number BY-93618, was removed for ASME Code testing. Replaced with new spare valve, serial number BS-08032 from stock.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other RCS Visual

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01680260-07	2 of 2

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

❶ Replaced existing valve with a new spare from stock.

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed James R. Kise, Engineer Date 5-22-07

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-17-07 to 7-3-07, 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 NC1444 NB18<

National Board, State, Province, and Endorsements

Date 7-3-07

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
98763544-01	1 of 2

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 0 Date 5/24/2006

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

4. Identification of System, ASME Class

High Pressure Injection system, Letdown Cooler, ASME Class 1

5.

(a) Applicable Construction Code: ASME Section III 19 80 Edition, S 80 Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Spare Letdown Cooler ❶	Graham Manufacturing Corp.	44773-1	12767	None	1983	Corrected	YES

7. Description of Work

One tube was removed from service by plugging with mechanical tube plugs, Pop-A-Plugs.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐ Other No test post-plugging

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98763544-01	2 of 2

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

❶ Form N-1 attached for cooler S/N 44773-1. Pop-A-Plugs, stock code 353623, UTC 0001060674, quantity of 2, were used to remove the degraded tube from service.

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed James H Batton Engineer Date 5/24/06

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-29-06 to 7-14-06, 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 NC1444 NIABC

National Board, State, Province, and Endorsements

Date 7-14-06

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
01737857	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 4/30/2007

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

4. Identification of System, ASME Class

RC, ASME Class 1

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1.) 2-50-RCPM-H6604	DPCo	None	None	None	UNK	Removed	NO
2.) 2-50-RCPM-H6604	DPCo	None	None	None	2007	Corrected	NO

7. Description of Work

OE201547; S/R 2-50-RCPM -H6604 - Temporarily remove and reinstall with additional shim to rocker washers.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01737857	2 of 2

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

❶ S/R 2-50-RCPM-H6604:Temporarily remove

❷ S/R 2-50-RCPM-H6604:Reinstall with additional shim washers

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed David Perry, Engineer Date 5-24-07
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-10-07 to 5-25-07, 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 NC1444 NBIC
National Board, State, Province, and Endorsements

Date 5-25-07

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
1752010	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/23/2007

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

4. Identification of System, ASME Class

Reactor Coolant (RC), ASME Class 1

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 98 Edition, 2000 Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1.) 2RC-77	Anchor/Darling	E069T-1-2	2432	UTC# 1021733	2000	Installed	YES
2.) 2RC-77	Velan	Unk	Unk	Unk	Unk	Removed	NO

7. Description of Work

Removed 3/4" valve 2RC-77. Installed 1/2" valve 2RC-77

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1752010	2 of 2

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

❶ Installed 1/2" valve - serial #E069T-1-2

❷ Removed 3/4" Velan valve.

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed David Hubbard / David Hubbard/Technical Specialist II Date 5/23/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-14-07 to 5-25-07, 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 NC1444 NBBC

National Board, State, Province, and Endorsements

Date 5/25/07

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

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01682510 - 06	Page 1 of 2

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochestor Hwy Seneca, SC 28672	2 Date 5/15/2007

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

4. Identification of Systems, ASME Class
:ure Injection - High Pressure Portion , ASME Class 1

5.
(a) Applicable Construction Cod USAS B31.7 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	Manufactur:	Manufacture Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
(1) 51A-0-1479E-H1E, Size 2-1/2 x 5 Hydraulic Snubber Cylinder (New Miller)	Grinnell	16030	UNK	N/A	UNK	Removed	No
51A-0-1479E-H1E, Size 2-1/2 x 5 Hydraulic Snubber Cylinder (Config. A)	Anvil	36542	UNK	UTC 1823529	UNK	Installed	No

7 Description of Work

Rebuilt existing snubber cylinder with a Config. A pressurized cylinder.

8. Test Conducted

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

Pressure PSI Test Temperature Deg. F

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

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01682510 - 06	Page 2 of 2

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

(1) Replaced existing snubber cylinder with Config. A type.

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 Ronald Ehrhart Sr. Eng. Date 5/16/07

Owner or Owner's Designee, Title

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and State or province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in the Owner's Report during the period 5-7-07 to 6-12-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commision(s) NC1444 NIABL

Inspector's Signature

National Board, State, Province, and Endorsements

Date 6-12-07

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1708341-01,-14,-03	1 of 3

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 5/17/2007

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

4. Identification of System, ASME Class

LPSW, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
❶ 2C RBCU Coil # 1	Aerofin	None	None	tube bundle, a "part" of S/N 940510	1993	Removed	YES
❷ 2C RBCU Coil # 1	Aerofin	070214	2157	Tube bundle	2007	Installed	YES
❶ 2C RBCU Coil # 2	Aerofin	None	None	tube bundle, a "part" of S/N 940509	1993	Removed	YES
❷ 2C RBCU Coil # 2	Aerofin	070215	2158	Tube bundle	2007	Installed	YES
❶ 2CA RBCU Coil # 3	Aerofin	None	None	tube bundle, a "part" of S/N 940503	1993	Removed	YES
❷ 2CA RBCU Coil # 3	Aerofin	070216	2159	Tube bundle	2007	Installed	YES
❶ 2C RBCU Coil # 4	Aerofin	None	None	tube bundle, a "part" of S/N 940508	1993	Removed	YES
❷ 2C RBCU Coil # 4	Aerofin	070217	2160	Tube bundle	2007	Installed	YES

7. Description of Work

- Planned replacement of the 2C RBCU Coil tube bundles required removal/reinstallation of the cooler waterbox. This involved disassembling the Low Pressure Service Water (LPSW) piping to the coils. The 5/8-inch & 3/4-inch diameter LPSW piping bolting material for the piping-to-coil waterbox flanges required replacement due to surface degradation.
- All 4 of the 2C RBCU coil tube bundles were replaced with new bundles due to extensive tube degradation.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1708341	2 of 3

1. Owner	2. Plant	Unit
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2
		Date: 5/17/2007

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

4. Identification of System, ASME Class

LPSW, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
❸ 2C RBCU coils (all 4)	Aerofin	940503, 940508, 940509, 940510	548, 553, 554, 555	None	1993	Corrected	YES

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
1708341	3 of 3

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

❶ 2C RBCU Coils # 1, 2, 3 & 4 had the tube bundles removed (due to extensive tube degradation) and replaced with new tube bundles. The waterboxes to the coils were not replaced, only the tube bundles. The waterboxes from the 4 old coils were reused. Note that the waterbox is the subcomponent of the entire coil assembly that has the N-stamp nameplate attached to it.

❷ 2C RBCU Coils # 1, 2, 3 & 4 - new tube bundles were installed. The tube bundle is a subcomponent of a RBCU coil. The coils are N-stamped components. (Form N-1's attached). The waterboxes to the coils were not replaced, only the tube bundles (NPT stamped parts, Form N-2's attached). The waterboxes from the 4 old coils were reused and were bolted up to the new bundles.

❸ Replaced 5/8-inch diameter nuts (SA194 Gr 2H) and studs (SA193 B7 threaded rod) on the 2C RBCU Coil waterbox-to-LPSW piping flanges. (Cat ID# 293556, UTC # 0001846136, and Cat ID# 297412, UTC # 0001846130). Replaced 3/4-inch diameter nuts (SA194 Gr 2H) and studs (SA193 B7 threaded rod) on the 2C RBCU LPSW piping flanges. (Cat ID# 131796, UTC # 0001831665 and Cat ID# 297413, UTC # 0001846529 and 0001846063.)

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed James H Batton engineer Date 5/17/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-9-07 to 7-13-07, 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 NC1444 NIABC

National Board, State, Province, and Endorsements

Date 7-13-07

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
1708343-02,-14,-03	1 of 3

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/17/2007

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

4. Identification of System, ASME Class

LPSW, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
❶ 2B RBCU Coil # 1	Aerofin	None	None	tube bundle, a "part" of S/N 940504	1993	Removed	YES
❷ 2B RBCU Coil # 1	Aerofin	070210	2153	Tube bundle	2007	Installed	YES
❶ 2B RBCU Coil # 2	Aerofin	None	None	tube bundle, a "part" of S/N 940502	1993	Removed	YES
❷ 2B RBCU Coil # 2	Aerofin	070211	2154	Tube bundle	2007	Installed	YES
❶ 2B RBCU Coil # 3	Aerofin	None	None	tube bundle, a "part" of S/N 940501	1993	Removed	YES
❷ 2B RBCU Coil # 3	Aerofin	070212	2155	Tube bundle	2007	Installed	YES
❶ 2B RBCU Coil # 4	Aerofin	None	None	tube bundle, a "part" of S/N 940507	1993	Removed	YES
❷ 2B RBCU Coil # 4	Aerofin	070213	2156	Tube bundle	2007	Installed	YES

7. Description of Work

- Planned replacement of the 2B RBCU Coil tube bundles required removal/reinstallation of the cooler waterbox. This involved disassembling the Low Pressure Service Water (LPSW) piping to the coils. The 5/8-inch & 3/4-inch diameter LPSW piping bolting material for the piping-to-coil waterbox flanges required replacement due to surface degradation.
- All 4 of the 2B RBCU coil tube bundles were replaced with new bundles due to extensive tube degradation.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1708343	2 of 3

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/17/2007

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

4. Identification of System, ASME Class

LPSW, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
❸ 2B RBCU coils (all 4)	Aerofin	940501, 940502, 940504, 940507	546, 547, 549, 552	None	1993	Corrected	YES

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
1708343	3 of 3

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

❶ 2B RBCU Coils # 1, 2, 3 & 4 had the tube bundles removed (due to extensive tube degradation) and replaced with new tube bundles. The waterboxes to the coils were not replaced, only the tube bundles. The waterboxes from the 4 old coils were reused. Note that the waterbox is the subcomponent of the entire coil assembly that has the N-stamp nameplate attached to it.

❷ 2B RBCU Coils # 1, 2, 3 & 4 - new tube bundles were installed. The tube bundle is a subcomponent of a RBCU coil. The coils are N-stamped components. (Form N-1's attached). The waterboxes to the coils were not replaced, only the tube bundles (NPT stamped parts, Form N-2's attached). The waterboxes from the 4 old coils were reused and were bolted up to the new bundles.

❸ Replaced 5/8-inch diameter nuts (SA194 Gr 2H) and studs (SA193 B7 threaded rod) on the 2B RBCU Coil waterbox-to-LPSW piping flanges. (Cat ID# 293556, UTC # 0001846136, and Cat ID# 297412, UTC # 0001824477, 0001090837, 0001088217.) Replaced 3/4-inch diameter nuts (SA194 Gr 2H) and studs (SA193 B7 threaded rod) on the 2B RBCU LPSW piping flanges. (Cat ID# 131796, UTC # 0001831665 and Cat ID# 297413, UTC # 0001846063.)

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

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

Signed: James H Batton, engineer Date: 5/17/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-9-07 to 7-13-07, 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: NC1444 NIABC

National Board, State, Province, and Endorsements

Date 7-13-07

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
1708344-01,-15,-26	1 of 3

1. Owner	2. Plant	Unit
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2
		Date: 5/17/2007

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

4. Identification of System, ASME Class

LPSW, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
❶ 2A RBCU Coil # 1	Aerofin	None	None	tube bundle, a "part" of S/N 940505	1993	Removed	YES
❷ 2A RBCU Coil # 1	Aerofin	070206	2149	Tube bundle	2007	Installed	YES
❶ 2A RBCU Coil # 2	Aerofin	None	None	tube bundle, a "part" of S/N 940506	1993	Removed	YES
❷ 2A RBCU Coil # 2	Aerofin	070207	2150	Tube bundle	2007	Installed	YES
❶ 2A RBCU Coil # 3	Aerofin	None	None	tube bundle, a "part" of S/N 940511	1993	Removed	YES
❷ 2A RBCU Coil # 3	Aerofin	070208	2151	Tube bundle	2007	Installed	YES
❶ 2A RBCU Coil # 4	Aerofin	None	None	tube bundle, a "part" of S/N 940512	1993	Removed	YES
❷ 2A RBCU Coil # 4	Aerofin	070209	2152	Tube bundle	2007	Installed	YES

7. Description of Work

- Planned replacement of the 2A RBCU Coil tube bundles required removal/reinstallation of the cooler waterbox. This involved disassembling the Low Pressure Service Water (LPSW) piping to the coils. The 5/8-inch & 3/4-inch diameter LPSW piping bolting material for the piping-to-coil waterbox flanges required replacement due to surface degradation.
- All 4 of the 2A RBCU coil tube bundles were replaced with new bundles due to extensive tube degradation.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1708344	2 of 3

1. Owner	2. Plant	Unit / Date
Duke Energy Carolinas, LLC 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 5/17/2007

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

4. Identification of System, ASME Class

LPSW, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
❸ 2A RBCU coils (all 4)	Aerofin	940505, 940506, 940511, 940512	550, 551, 556, 557	None	1993	Corrected	YES

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
1708344	3 of 3

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

❶ 2A RBCU Coils # 1, 2, 3 & 4 had the tube bundles removed (due to extensive tube degradation) and replaced with new tube bundles. The waterboxes to the coils were not replaced, only the tube bundles. The waterboxes from the 4 old coils were reused. Note that the waterbox is the subcomponent of the entire coil assembly that has the N-stamp nameplate attached to it.

❷ 2A RBCU Coils # 1, 2, 3 & 4 - new tube bundles were installed. The tube bundle is a subcomponent of a RBCU coil. The coils are N-stamped components. (Form N-1's attached). The waterboxes to the coils were not replaced, only the tube bundles (NPT stamped parts, Form N-2's attached). The waterboxes from the 4 old coils were reused and were bolted up to the new bundles.

❸ Replaced 5/8-inch diameter nuts (SA194 Gr 2H) and studs (SA193 B7 threaded rod) on the 2A RBCU Coil waterbox-to-LPSW piping flanges. (Cat ID# 293556, UTC # 0001846136, and Cat ID# 297412, UTC # 0001821109, 0001834700, 0001092000, 0001846062, 0001846130, 0001821577). Replaced 3/4-inch diameter nuts (SA194 Gr 2H) and studs (SA193 B7 threaded rod) on the 2A RBCU LPSW piping flanges. (Cat ID# 131796, UTC # 0001831665 and Cat ID# 297413, UTC # 0001846529).

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

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

Signed: James H Batton, engineer Date: 5/17/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-9-07 to 7-13-07, 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: NC1444 NIABC

National Board, State, Province, and Endorsements

Date 7-13-07

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
1712246-01	1 of 2

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 1 **Date** 5/6/2007

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

4. Identification of System, ASME Class

Main Steam System, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.1 19 67 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Valve 2MS-033 (1) + (2)	Velan	Drawing P012-996590-N04	None	Cat ID 490583	2001	Corrected	NO

7. Description of Work

2MS-035 was being disassembled for seat inspection. Two studs and two nuts were damaged during the disassembly.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1712246-01	2 of 2

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

❶ Valve body/bonnet studs, Cat ID #494225, UTC #0001041169

❷ Valve body/bonnet nuts, Cat ID #494300, UTC #0001041192

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

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

Signed: [signature] MCE Valve Engineer Date: 5/7/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 7-8-07 to 7-8-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions NC1444 NBBC

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

Date 7/8/07

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
01680487-01	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 5/7/2007

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

4. Identification of System, ASME Class

High Pressure Injection, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Valve - 2HP-31	Fisher Controls	4768610	None	None	1969	Corrected	NO

7. Description of Work

PM work on the valve was being performed and the maintenance techs found the valve plug eroded.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01680487-01	2 of 2

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

❶ Valve plug/stem assembly, catalog ID # 18079, UTC # 0001061883

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed John M Alexander Senior Tech Specialist Date 5/07/2007
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-7-07 to 7-9-07, 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 NC1444 NIABC
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-9-07

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
1672596	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/24/2007

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

4. Identification of System, ASME Class

Low Pressure Service Water, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 ~~67~~ 69 pwc 2/5/2007 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2A1 RCP Motor	Westinghouse	4S-76P1	UNK	UNK	UNK	Removed	NO
2A1 RCP Motor	Westinghouse	1S-89P686	UNK	UNK	UNK	Installed	NO

7. Description of Work

~~2A2~~ 2A1 pwc 2/6/2007 Motor and install refurbished motor. The refurbishment included installation of a new upper bearing tube bundle. New air coolers were installed in the refurbished motor on-site prior to plant installation. The old LPSW flange hardware (nuts and bolts) was replaced with new hardware.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1672596	2 of 2

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

❶ Upper Bearing Oil Cooler Tube Bundle - SC#591424 (Thermal Engineering Vendor PN# 301-G-040)

❷ Air Cooler - SC# 567690 (Thermal Engineering Vendor PN# 500-L-201-1H)

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Patti Smith MCE/RE Date 5/31/07

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-23-07 to 7-9-07, 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 NC1444 NIABC

National Board, State, Province, and Endorsements

Date 7-9-07

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
1641998-12	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 1/9/2007

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

4. Identification of System, ASME Class

Unit 2 "A" Building Spray Pump, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.1 19 74 Edition, 1975 Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
ON2BSPU0001	Ingersoll-Rand	UNK	UNK	UNK	UNK	Removed	NO
ON2BSPU0001	Ingersoll-Rand	UNK	UNK	UNK	UNK	Installed	NO

7. Description of Work

The rotating assembly of the 2A Reactor Building Spray Pump will be replaced. All other parts involved in the work scope will be inspected and replaced as necessary.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Pump Flow Testing

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1641998-12	2 of 2

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

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Christopher W. Compton, Assistant Engineer Date 1/9/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-4-07 to 7-3-07, 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 NC 1444 N IR5C

Inspector's Signature

National Board, State, Province, and Endorsements

Date 7-3-07

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
1665331	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/24/2007

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

4. Identification of System, ASME Class

51A-, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
HANGER 2-51A-3-0-1444A-H75	D.E.C	NONE	NONE	NONE	1973	Installed	NO

7. Description of Work

REPLACED BENT ROD

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1665331	2 of 2

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

❶ UTC # 1821912, HT # 502193, ASTM A36-Carbon Steel 1/2"

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed ASHCRAFT-ASSISTANT ENGINEER Date 5/24/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 6-13-07 to 6-13-07, 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 NC1444 NBBC

National Board, State, Province, and Endorsements

Date 6-13-07

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
01666173	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/24/2007

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

4. Identification of System, ASME Class

03-Feedwater, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2-57-1480B-H6618; Hanger	D.E.C	NONE	NONE	NONE	1973	Installed	NO

7. Description of Work

Replaced U-bolt

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01666173	2 of 2

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

❶ 1 1/2" U bolt UTC 1037417 PN# 137N

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

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

Signed: Z. Ashcraft-Assistant Engineer Date: 5/24/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-19-07 to 6-13-07, 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 NC1444 NIABC

National Board, State, Province, and Endorsements

Date 6-13-07

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

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01748968 - 01	Page 1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochestor Hwy Seneca, SC 28672	Unit 2 Date 5/15/2007

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

4. Identification of Systems, ASME Class

Main Steam , ASME Class 2

5.

(a) Applicable Construction Cod USAS B31.7 ~~1967~~ 1969 BWC 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	Manufactur:	Manufacture Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
(1) Lisega Size 305253 RF3 Hydraulic Snubber (2-01A-0-1441-R2-2)	Lisega	61316-73	UNK	N/A	UNK	Removed	No
Lisega Size 305253 RF3 Hydraulic Snubber (2-01A-0-1441-R2-2)	Lisega	01615040-049	UNK	UTC 1045116	UNK	Installed	No

7. Description of Work

Snubber was replaced due to leaking hydraulic fluid

8. Test Conducted

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

Pressure PSI Test Temperature Deg. F

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

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01748968 - 01	Page 2 of 2

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

(1) Removed snubber due to depleted hydraulic fluid

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp — Not Applicable

Certificate of Autherization Number — Not Applicable — Expiration Date — Not Applicable

Signed [signature] Sr. Eng — Date 5/16/07

Owner or Owner's Designee, Title

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and State or province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in the Owner's Report during the period 5-3-07 to 6-13-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commision(s) NC 444 NIAB C

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

Date 6-13-07

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

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01682510 - 02	Page 1 of 2

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochestor Hwy Seneca, SC 28672	2 Date 5/15/2007

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

4. Identification of Systems, ASME Class

Main Steam , ASME Class B & C 2 6/5/2007

5.

(a) Applicable Construction Cod USAS B31.7 ~~1967~~ 1969 B&C 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	Manufactur:	Manufacture Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
(1) 2-01A-2-1-0-1401A-SR3, Size 2-1/2 x 10 Hydraulic Snubber Cylinder (New Miller)	Grinnell	30210	UNK	N/A	UNK	Removed	No
2-01A-2-1-0-1401A-SR3, Size 2-1/2 x 10 Hydraulic Snubber Cylinder (Config. A)	Anvil	36134	UNK	UTC 1081152	UNK	Installed	No

7. Description of Work

Rebuilt existing snubber cylinder with a Config. A pressurized cylinder.

8. Test Conducted

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

Pressure PSI Test Temperature Deg. F

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

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01682510 - 02	Page 2 of 2

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

(1) Replaced existing snubber cylinder with Config. A type.

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp — Not Applicable

Certificate of Autherization Number — Not Applicable — Expiration Date — Not Applicable

Signed [signature] Sr. Eng. — Date 5/16/07

Owner or Owner's Designee, Title

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and State or province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in the Owner's Report during the period 6-12-07 to 6-12-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commision(s) NC1444 NI ASC

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

Date 6-12-07

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

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01682510 - 07	Page 1 of 2

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochestor Hwy Seneca, SC 28672	2 Date 5/15/2007

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

4. Identification of Systems, ASME Class

Main Steam , ASME Class 2

5.

(a) Applicable Construction Cod USAS B31.7 ~~1967~~ 1969 B 31c 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	Manufactur:	Manufacture Serial Number	National Board No	Other identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes/No)
(1) 2-01A-0-1401B-R12(B), Size 3-1/4 x 5 Hydraulic Snubber Cylinder (New Miller)	Grinnell	18594	UNK	N/A	UNK	Removed	No
2-01A-0-1401B-R12(B), Size 3-1/4 x 5 Hydraulic Snubber Cylinder (Config. A)	Anvil	36329	UNK	UTC 1091794	UNK	Installed	No

7 Description of Work

Rebuilt existing snubber cylinder with a Config. A pressurized cylinder.

8. Test Conducted

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

Pressure PSI Test Temperature Deg. F

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

As required by the provisions of the ASME Code Section XI

Work Order Numbe	Sheet
01682510 - 07	Page 2 of 2

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

(1) Replaced existing snubber cylinder with Config. A type.

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 Sr. Eng. Date 5/16/07

Owner or Owner's Designee, Title

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and State or province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in the Owner's Report during the period 5-7-07 to 6-18-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commision(s) NC 1444 NB

Inspector's Signature

National Board. State. Province, and Endorsements

Date 6/18/07

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
1733130	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2 5/10/2007

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

4. Identification of System, ASME Class

Low Pressure Service Water, 2LP-94, 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 ~~89~~ 98 Edition, ~~No~~ 2000 Addenda. BJC 6/1/2007

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2-LP-94	Aloyco/Walworth	n/a	n/a	N2116-SP	UNK	Corrected	NO

7. Description of Work

Inspect and replace body to bonnet bolting that have been damaged by corrosion on 2LP-94. Nuts 5/8 inch SC# 293556, studs were 5/8 inch all thread rod SC# 297412

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other F/V leak check

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1733130	2 of 2

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

❶ Inspect and replace body to bonnet bolting that have been damaged by corrosion on 2LP-94. Nuts 5/8 inch SC# 293556 SA194 Gr 2H UTC # 0001846136;, studs were 5/8 inch all thread rod SC# 297412, SA 193 Gr B7 UTC# 0001824477

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed [signature] Engineer Date 5-12-07
Owner or Owner's Designee, Title

RVC 6/12/2007

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-7-07 to 6-7-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions NC1444 NIABC
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-7-07

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
01667011	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 9/5/2006

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

4. Identification of System, ASME Class

2LP-7 2C Low Pressure Injection Pump Suction (LPI System), ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 89 Edition, No Addenda.

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Remove existing wedge on 2LP-7	Powell	N/A	N/A	N/A	N/A	Removed	NO
Installed new wedge on 2LP-7	Pratt	UTC # 1048310	N/A	N/A	2002	Installed	NO

7. Description of Work

Replace the old wedge on 2LP-7 with a new wedge that has hardfacing added to the guides to improve dynamic performance. 2LP-7 is installed with the stem in a horizontal orientation. The hardfaced guide rail elliminates concerns for galling between the wedge guide rail and the body guide slot.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Courtesy hydro test.

Pressure 150 PSI Test Temperature 70 °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01667011	2 of 2

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

❶ Replaced old wedge with new wedge (stock code # 496900), UTC #1048310.

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

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

Signed: [signature] / Valve Engineer Date: 9/6/2006

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-24-06 to 10-12-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions NC1444 NIBBC

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

Date 10-12-06

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
1667011-4	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/22/2006

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

4. Identification of System, ASME Class

Low Pressure Service Water System, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 68 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Hanger 2-53B-435B-EMO-H-50	Duke Energy Corporation	None	None	None	unk	Removed	NO
Hanger 2-53B-435B-EMO-H-50 (1)	Duke Energy Corporation	None	None	None	2006	Installed	NO

7. Description of Work

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1667011-4	2 of 2

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

❶ 1/2 inch threaded rod; SA193 Grade B7; S/C 297411; UTC 1089881
1/2 inch heavy hex. nut; SA194 Grade 2H; S/C 313135; UTC # 1088726

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Basil W. Carney, Jr. Senior Engineer Date 9/25/2006

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8-30-06 to 10/12/06, 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 NC1444/NB06

National Board, State, Province, and Endorsements

Date 10/14/06

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
1635328	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 2/23/2007

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

4. Identification of System, ASME Class

Main Steam , ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.1 19 67 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Thermowell (2)	Unk	Unk	Unk		Unk	Removed	NO
Half Coupling (2)	Unk	Unk	Unk		Unk	Installed	YES
Plug (2)"	Unk	Unk	Unk		Unk	Installed	YES

7. Description of Work

OE-18468, Removed two 1-1/2" thermowells and installed two 2" 6000# threaded half couplings, two 2" plugs and four 3/4" 3000# threaded half couplings.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
1635328	2 of 2

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

❶ Removed two thermowells, 1-1/2" dia.

❷ Installed two 2" Treaded Half coupling (CAT ID 595028, UTC 1845729) and two 2" Threaded Plug (CAT ID 588792, UTC 1822410).

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable

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

Signed: Kie Lannon Engineer Date: 5/23/07

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-9-07 to 5-30-07, 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 NC1444NIABC

National Board, State, Province, and Endorsements

Date 5/30/07

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
01737857	1 of 2

1. Owner	2. Plant	Unit
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	ONS - 2
		Date: 4/30/2007

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

4. Identification of System, ASME Class

LPSW, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1.) 2-14B-1480C-H6537	DPCo	None	None	None	UNK	Removed	NO
2.) 2-14B-1480C-H6537	DPCo	None	None	None	2007	Installed	NO
3.)2-14B-1480C-H6538	DPCo	None	None	None	UNK	Removed	NO
4.)2-14B-1480C-H6538	DPCo	None	None	None	2007	Installed	NO

7. Description of Work

OE201547; S/R 2-14B-1480C-H6537 - Temporarily remove and reinstall with additional 3/4" plate.
S/R 2-14B-1480C-H6538 - Temporarily remove and install with a new welded beam attachment.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01737857	2 of 2

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

❶ S/R 2-14B-1480C-H6537:Temporarily remove

❷ S/R 2-14B-1480C-H6537:Reinstall with new 3/4" thick plate.

❸ S/R 2-14B-1480C-H6538:Temporarily remove

❹ S/R 2-14B-1480C-H6538:Reinstall with new welded beam attachment.

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed David Perry, Engineer Date 5-24-07
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-10-07 to 5-25-07, 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 NC 4444 NBBC
National Board, State, Province, and Endorsements

Date 5-25-07

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
01675527	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/22/2007

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

4. Identification of System, ASME Class

MS, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 67 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

By AZO PER Telcon David Perry 5/23/07

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1.) 2-01A-1441-H4346	DPCo	None	None	None	2007	Installed	NO
2.) 2-01A-1441-H4347	DPCo	None	None	None	2007	Installed	NO

7. Description of Work

OD200711; Install new S/Rs 2-01A-1441-H4346 and H4347.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
~~01621909~~ 01675527 TMB 7/1/07	2 of 2

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

❶ 2-01A-1444-H4346; Fig 216 pipe clamp, TS 3x2x1/4, Plate, 1/2, 3/4"

❷ 2-01A-1444-H4347;Fig 216 pipe clamp, TS 3x2x1/4, Plate, 1/2, 3/4"

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed [signature] Engineer Date 5-22-07

Owner or Owner's Designee, Title

David Perry

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-28-06 to 5-23-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions NC1444/NIAB&L

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

Date 5/23/07

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
01651472-01	1 of 2

1. Owner	2. Plant	Unit / Date
Duke Power Company 526 South Church Street Charlotte, NC 28201-1006	Oconee Nuclear Station 7800 Rochester Hwy Seneca, SC 29672	Unit: ONS - 2 Date: 5/24/2007

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

4. Identification of System, ASME Class

Main Steam, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 69 Edition, No Addenda, No Code Case

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

(c) Applicable Section XI Code Case(s) None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
2MS-12	Crosby	none	none	none	UNK	Corrected	NO
2MS-12 Bonnet Studs	UNK	none	none	none	UNK	Installed	NO

7. Description of Work

Bonnet was replaced due to degraded compression screw threads. New bonnet studs were installed to provide proper nut to stud thread engagement.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other F/V Leak check and stroke retest

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
01651472-01	2 of 2

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

❶ Bonnet, Catalog ID: 586771, serial number: N900117-31-0001, UTC #: 1846691

❷ Bonnet Studs, Catalog ID: 297388, UTC #: 1092005

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed _____, Engineer Date 5/24/2007

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-10-07 to 7-18-07, 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 NC1444 NIABC

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

Date 7/18/07

6.0 *Pressure Testing*

Table 6-1 shows the number of Class 1 (Category B-P) and Class 2 (Category C-H) pressure tests completed for refueling outage EOC 22. There was no through-wall leakage observed during these pressure tests

Table 6-1 Outage Specific Summary		
Examination Category	***Test Requirement***	***Total Completed EOC22***
B-P	System Leakage Test (IWB-5220)	1
C-H	System Leakage Test (IWC-5220)	10[1]

Table 6-2 shows a completion status of pressure tests conducted during the first period of the fourth ten-year interval.

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

Section 6 Prepared By:	Date:
Jim Boughman	6/13/07

Section 6 Reviewed By:	Date:
Paul W. Waltman	6-20-07

[1] Six pressure test zones were completed during the Refueling Outage Report EOC21 cycle but were not included in that report. As such, those tests are being included in this outage report. See Table 6-4 for identification of those tests.

The Class 1 (Category B-P) leakage test is required each refueling outage. Table 6-3 shows the completion data of the Class 1 (Category B-P) leakage test conducted during refueling cycle EOC22.

Table 6-3 Detailed Class 1 Listing

Zone Number	Boundary Dwg	EOC22 Completion Status	EOC22 VT-2 Examination Date	Code Case(s) Used
OZ2L-1A	O-ISIL4-100A-2.1	Complete	5/28/2007	None
	O-ISIL4-100A-2.2	Complete	5/28/2007	None
	O-ISIL4-100A-2.3	Complete	5/28/2007	None
	O-ISIL4-101A-2.1	Complete	5/28/2007	None
	O-ISIL4-101A-2.4	Complete	5/28/2007	None
	O-ISIL4-102A-2.1	Complete	5/28/2007	None
	O-ISIL4-102A-2.3	Complete	5/28/2007	None
	O-ISIL4-110A-2.1	Complete	5/28/2007	None
	O-ISIL4-110A-2.4	Complete	5/28/2007	None
OZ2L-1AA	O-ISIL4-101A-2.4	Complete	5/28/2007	None
OZ2L-1V	O-ISIL4-100A-2.2	Complete	5/28/2007	None
OZ2L-1Z	O-ISIL4-101A-2.4	Complete	5/28/2007	None
OZ2L-16	O-ISIL4-101A-2.4	Complete	5/28/2007	None

The Class 2 (Category C-H) leakage tests are required each period. Table 6-4 shows the completion data of the Class 2 (Category C-H) leakage tests required for the 1st Period.

Table 6-4 Detailed Class 2 Listing

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
1	IZ2L-10	O-ISIL4-101A-2.3	Completed in EOC21	11/14/05	None
2	IZ2L-11	O-ISIL4-101A-2.3	Completed in EOC21	11/14/05	None
3	IZ2L-12[2]	O-ISIL4-101A-2.3	Completed in EOC21	01/16/06	None
		O-ISIL4-101A-2.4	Completed in EOC21	01/16/06	None
4	IZ2L-13	O-ISIL4-101A-2.3	Completed in EOC21	07/25/05	None
5	IZ2L-14A	O-ISIL4-101A-2.3	Completed in EOC21	11/11/05	None
6	IZ2L-14B	O-ISIL4-101A-2.3	Completed in EOC21	11/11/05	None
7	IZ2L-20	O-ISIL4-101A-2.3	Completed in EOC21	07/27/05	None

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
8	IZ2L-22[2]	O-ISIL4-101A-2.3	Completed in EOC21	03/09/06	None
		O-ISIL4-102A-2.1	Completed in EOC21	03/09/06	None
		O-ISIL4-102A-2.2	Completed in EOC21	03/09/06	None
		O-ISIL4-104A-1.2	Completed in EOC21	03/09/06	None
9	IZ2L-24	O-ISIL4-102A-2.1	Completed in EOC21	08/23/05	None
		O-ISIL4-103A-2.1	Completed in EOC21	08/23/05	None
10	IZ2L-25	O-ISIL4-102A-2.1	Completed in EOC21	08/25/05	None
		O-ISIL4-103A-2.1	Completed in EOC21	08/25/05	None
11	IZ2L-27A	O-ISIL4-102A-2.1	Completed in EOC21	11/19/05	None
		O-ISIL4-102A-2.2	Completed in EOC22	05/26/07	None
12	IZ2L-27B	O-ISIL4-102A-2.2	Completed in EOC21	11/19/05	None
13	IZ2L-4	O-ISIL4-101A-2.1	Completed in EOC21	07/25/05	None
14	IZ2L-41[2]	O-ISIL4-109A-1.1	Completed in EOC21	12/11/06	None
15	IZ2L-48	O-ISIL4-122A-2.1	Completed in EOC21	06/27/05	None
		O-ISIL4-122A-2.2	Completed in EOC21	06/27/05	None
		O-ISIL4-122A-2.3	Completed in EOC21	06/27/05	None
		O-ISIL4-122B-2.1	Completed in EOC21	06/27/05	None
		O-ISIL4-122A-2.4	Completed in EOC21	06/27/05	None
16	IZ2L-5[2]	O-ISIL4-101A-2.1	Completed in EOC21	01/09/06	None
		O-ISIL4-101A-2.3	Completed in EOC21	01/09/06	None
17	IZ2L-60	O-ISIL4-124B-2.2	Completed in EOC21	09/06/05	None
		O-ISIL4-124B-2.4	Completed in EOC21	09/06/05	None
18	OZ2L-14B	O-ISIL4-101A-2.4	Completed in EOC21	11/11/05	None
19	OZ2L-15	O-ISIL4-101A-2.4	Completed in EOC21	11/23/05	None
20	OZ2L-16	O-ISIL4-101A-2.4	Completed in EOC21	11/22/05	None
21	OZ2L-17	O-ISIL4-101A-2.2	Completed in EOC21	11/21/05	None
22	OZ2L-17B	O-ISIL4-101A-2.2	Completed in EOC21	11/11/05	None
23	OZ2L-18	O-ISIL4-101A-2.2	Completed in EOC21	11/19/05	None

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
24	OZ2L-19A	O-ISIL4-104A-1.1	Completed in EOC21	11/14/05	None
		O-ISIL4-101A-2.5	Completed in EOC21	11/14/05	None
25	OZ2L-19B	O-ISIL4-101A-2.5	Completed in EOC21	11/15/05	None
26	OZ2L-1A	O-ISIL4-101A-2.1	Completed in EOC21	11/23/05	None
		O-ISIL4-101A-2.1	Completed in EOC21	11/23/05	None
		O-ISIL4-101A-2.5	Completed in EOC21	11/23/05	None
27	OZ2L-2	O-ISIL4-101A-2.1	Completed in EOC21	11/23/05	None
		O-ISIL4-101A-2.4	Completed in EOC21	11/23/05	None
		O-ISIL4-101A-2.5	Completed in EOC21	11/23/05	None
28	OZ2L-21	O-ISIL4-102A-2.1	Completed in EOC21	11/19/05	None
		O-ISIL4-102A-2.2	Completed in EOC21	11/19/05	None
		O-ISIL4-104A-1.2	Completed in EOC21	11/19/05	None
29	OZ2L-23	O-ISIL4-101A-2.2	Completed in EOC21	11/19/05	None
		O-ISIL4-102A-2.1	Completed in EOC21	11/19/05	None
		O-ISIL4-102A-2.2	Completed in EOC21	11/19/05	None
30	OZ2L-26	O-ISIL4-102A-2.2	Completed in EOC21	11/19/05	None
31	OZ2L-28	O-ISIL4-102A-2.2	Completed in EOC21	11/19/05	None
32	OZ2L-29	O-ISIL4-102A-2.2	Completed in EOC21	11/19/05	None
33	OZ2L-29A	O-ISIL4-102A-2.2	Completed in EOC21	11/19/05	None
		O-ISIL4-102A-2.3	Completed in EOC21	11/19/05	None
34	OZ2L-3	O-ISIL4-101A-2.1	Completed in EOC21	11/20/05	None
35	OZ2L-30	O-ISIL4-102A-2.2	Completed in EOC21	11/19/05	None
36	OZ2L-30A	O-ISIL4-102A-2.2	Completed in EOC21	11/19/05	None
		O-ISIL4-102A-2.3	Completed in EOC21	11/19/05	None
37	OZ2L-31A	O-ISIL4-102A-2.3	Completed in EOC21	10/22/05	None
38	OZ2L-31B	O-ISIL4-102A-2.3	Completed in EOC21	10/22/05	None
39	OZ2L-31C	O-ISIL4-102A-2.3	Completed in EOC21	10/22/05	None
40	OZ2L-39[2]	O-ISIL4-104A-1.1	Completed in EOC22	05/12/07	None
41	OZ2L-42A	O-ISIL4-110A-2.1	Completed in EOC21	11/23/05	None
42	OZ2L-42B	O-ISIL4-110A-2.1	Completed in EOC21	11/23/05	None

	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date	Code Case(s) Used
43	OZ2L-44	O-ISIL4-110A-2.1	Completed in EOC22	05/28/07	None
		O-ISIL4-121B-2.3	Completed in EOC22	05/28/07	None
		O-ISIL4-121B-2.5	Completed in EOC22	05/28/07	None
		O-ISIL4-121D-1.2	Completed in EOC22	05/28/07	None
		O-ISIL4-121D-2.1	Completed in EOC22	05/28/07	None
		O-ISIL4-122A-2.1	Completed in EOC22	05/28/07	None
		O-ISIL4-133A-2.5	Completed in EOC21	11/19/05	None
44	OZ2L-6[2]	O-ISIL4-101A-2.1	Completed in EOC21	11/19/05	None
		O-ISIL4-101A-2.2	Completed in EOC21	11/19/05	None
		O-ISIL4-109A-1.1	Completed in EOC21	11/19/05	None
45	OZ2L-64	O-ISIL4-124B-2.2	Completed in EOC21	11/23/05	None
46	OZ2L-65	O-ISIL4-124B-2.4	Completed in EOC22	05/28/07	None
47	OZ2L-7	O-ISIL4-101A-2.2	Completed in EOC21	11/11/05	None
		O-ISIL4-101A-2.3	Completed in EOC21	11/11/05	None
48	OZ2L-7B	O-ISIL4-101A-2.3	Completed in EOC21	11/11/05	None
		O-ISIL4-102A-2.1	Completed in EOC21	11/11/05	None
		O-ISIL4-102A-2.2	Completed in EOC21	11/11/05	None
49	OZ2L-89	O-ISIL4-116C-2.1	Completed in EOC21	11/04/05	None
50	OZ2L-9	O-ISIL4-101A-2.3	Completed in EOC21	11/19/05	None
		O-ISIL4-102A-2.1	Completed in EOC21	11/19/05	None
		O-ISIL4-102A-2.2	Completed in EOC21	11/19/05	None
51	OZ2L-90	O-ISIL4-116C-2.1	Completed in EOC21	11/04/05	None
52	OZ2L-91	O-ISIL4-116C-2.1	Completed in EOC21	11/04/05	None

[2] This zone was completed during the Refueling Outage Report EOC21 cycle but was not included in that report. As such, this test is being included in Outage Report EOC22.