Duke Power®

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August 9, 2005

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

Subject: Duke Energy Company
Oconee Nuclear Station, Unit 1
Docket No. 50-269
Unit 1 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 1 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.

Very truly yours,

R. A Jones,
Site Vice-President
Oconee Nuclear Station

Attachment

A047

xc wo/attachment: Mr. William D. Travers
Administrator, Region II
U.S. Nuclear Regulatory Commission
61 Forsyth Street, S. W., Suite 23T85
Atlanta, GA 30303

Leonard N Olshan, Projects Manager
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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Mr. M. C. Shannon
NRC Senior Resident Inspector
Oconee Nuclear Station

INSERVICE INSPECTION REPORT

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
UNIT 1
TWENTY-SECOND REFUELING OUTAGE

Duke Power SM

A Duke Energy Company

Owner's Report
For
INSERVICE INSPECTIONS

OCONEE UNIT 1
2005 REFUELING OUTAGE
EOC22 (OUTAGE 1)

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

NRC Docket No. 50-269

Commercial Service Date: July 15, 1973

Document Completion Date 7-1-2005

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

Revision 0

Prepared By: Larry C. Keith Date 6-23-05

Reviewed By: Gary Underwood Date 6-23-05

Approved By: R. Kevin Rhyne Date 6/27/05

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

As required by the Provisions of the ASME Code Rules

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

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

3. Plant Unit: 1 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date: July 15, 1973 6. National Board Number for Unit N/A

7. Components Inspected:

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

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is $8^1/_2$ in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Total number of pages contained in this report 319 .

FORM NIS-1 (Back)

8. Examination Dates January 10, 2004 to May 15, 2005

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: October 23, 2003 / 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 6/27/05 Signed Duke Energy Corp. By R Kevin Rhyne
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 *The HSBI&I Co. of Connecticut have inspected the components described in this Owner's Report during the period 1-10-04 to 5-15-05, 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

Inspector's Signature Commissions NC1444 NIABC
National Board, State, Province, and Endorsements

Date 7-1-05

* The Hartford Steam Boiler Inspection & Insurance Company of Connecticut.
200 Ashford Center North
Suite 205
Atlanta, GA. 30338-4860
(800) 417-3721
www.hsbc.com

DISTRIBUTION LIST

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3. Hartford Steam Boiler Inspection
   and Insurance Company of Connecticut (AIA)
   c/o ANII at Oconee

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

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1.0 General Information

This report describes the Inservice Inspection of Duke Energy Corporation's Oconee Nuclear Station, Unit 1, during Outage 1/EOC 22. This is the first 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	620-0003-51-52	N/A	N-101
Reactor Vessel Head (replaced head)	Babcock & Wilcox	068S-01	N/A	202
Steam Generator A *	Babcock & Wilcox	006K01	N/A	205
Steam Generator B *	Babcock & Wilcox	006K02	N/A	206
Pressurizer	Babcock & Wilcox	620-0003-59	N/A	N-102
Main Steam System	Duke Power	NA	NA	NA
Auxiliary Steam System	Duke Power	NA	NA	NA
Feedwater System	Duke Power	NA	NA	NA
Emergency Feedwater System	Duke Power	NA	NA	NA
Steam Generator Flush System	Duke Power	NA	NA	NA
Condensate System	Duke Power	NA	NA	NA

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

* **Note:** In section 1.1 of the EOC-21 Inservice Inspection Report, Steam Generator A and Steam Generator B were listed with the wrong Manufacturer or Installer Serial number and the wrong National Board Number. The correct Manufacturer or Installer Serial number and National Board Number for each of the Steam Generators are listed in section 1.1 of this report.

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 similar metal piping welds and reactor vessel shell welds.

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 Energy's Corporate Office in Charlotte, North Carolina.

The copies of the certification records for Washington Group inspectors can be obtained by contacting Duke Energy'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 Energy'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.

Duke Power Company Problem Investigation Process Report # O-05-02556. This PIP was written to document a problem found with Class 1 bolting.

Duke Power Company Problem Investigation Process Report # O-05-03886. This 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 1.

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

The Hartford Steam Boiler Inspection and Insurance Company of Connecticut is responsible for the third party inspections required by ASME Section XI.

Authorized Nuclear Inservice Inspector(s)

Name:	Gary Brouette, Nancy Slaughter, Randy Klein and Ed Reyes
Employer:	The Hartford Steam Boiler Inspection & Insurance Company of Connecticut.
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	13 Welds	.5 Weld	4%	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	0 Inspections	0%	Partial
B-E	Pressure Retaining Partial Penetration Welds in Vessels	REFERENCE SECTION 6.0 OF THIS REPORT			
B-F	Pressure Retaining Dissimilar Metal Welds	7 Welds	2 Welds	29%	No
B-G-1	Pressure Retaining Bolting Greater than 2 Inches in Diameter	125 Items	41.33 Items	33%	Yes
B-G-2	Pressure Retaining Bolting 2 Inches and Less in Diameter	18 Items	4 Items	22%	No
B-J	Pressure Retaining Welds in Piping	140 Welds	14 Welds	10%	No
B-K	Welded Attachments for Vessels, Piping, Pumps and Valves	20	0	0%	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	0 Weld	0%	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	1Inspection	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	4 Supports	11%	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	4 Welds	0 Welds	0%	No
C-B	Pressure Retaining Nozzle Welds in Vessels	4 Welds	0 Welds	0%	No
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	31 Attachments	5 Attachments	16%	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	171 Welds	16.5 Welds	10%	No
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	68 Welds	13 Welds	19%	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)	131 Supports	16 Supports	12%	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.

Item Number	*Description*	*Percentage Complete*
G01.001	Reactor Coolant Pump Flywheel	None scheduled for EOC 22
G02.001	HPI Nozzle Safe End Examinations	4 G02 items were examined during EOC-22 per Addenda ONS1-215.
G03.001	Pressurizer Surge Line Examinations	None scheduled for EOC 22
G04.001	Thermal Stress Piping (NRC Bulletin 88-08)	100% of EOC 22 Requirements
G11.001.001	Reactor Pressure Vessel Head Penetration Nozzle by UT Examination per NRC Order EA-03-009.	None scheduled for EOC 22
G11.001.002	Bare Metal Visual Examination of the Reactor Pressure Vessel Head Surface per NRC Order EA-03-009.	None scheduled for EOC 22
H01.001	Pressurizer Sensing/ Sampling Nozzle Safe Ends	None scheduled for EOC 22
H02.001	Class 1 RTE Mounting Bosses	None scheduled for EOC 22
H03.001	Main Feedwater Piping in the East and West Penetration Rooms per QA-513J (ER-ONS-04-03)	100% of EOC 22 Requirements
H04.001-	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:

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

CATEGORY B-A, Pressure Retaining Welds In Reactor Vessel

Shell-to-Flange Weld

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B01.030.001A	1-RPV-WR19		ISI-OCN1-001	NDE-650	UT	CS	171.000	CB-08-99	Reactor Vessel Flange Pc. 7 to Nozzle Belt Upper Course Pc. 8. UT from Flange Surface. (manual scan)
	Circumferential	50	OM-201-1877				12.000		
Class A					Flange to Nozzle Belt				

Total B01.030 Items: 1

Total B01 Items: 1

CATEGORY B-B, Pressure Retaining Welds In Vessels Other Than Reactor Vessels

Pressurizer

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Shell-to-Head; Circumferential ******									
B02.011.001	1-PZR-WP76		ISI-OCN1-002	NDE-640	UT	CS	84.000	40338	Pressurizer Upper Shell Course Pc. 1 to Upper Head Pc. 5. Material thickness ranges from 6.50" to 4.750" due to taper of material.
	Circumferential	50	OM-201-1878	NDE-820			6.500		
Class A					Shell to Head				
Total B02.011 Items:	**1**								
****** Shell-to-Head; Longitudinal ******									
B02.012.001	1-PZR-WP1-1		ISI-OCN1-002	NDE-640	UT	CS	84.000	40338	Pressurizer Upper Shell Course Pc. 1 to Upper Shell Course Pc. 1.
	Longitudinal	50	OM-201-1878	NDE-820			6.188		
Class A					Shell to Shell				
Total B02.012 Items:	**1**								
Total B02 Items:	**2**								

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-F, Pressure Retaining Dissimilar Metal Welds In Vessel Nozzles

Pressurizer

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Less Than NPS 4; Nozzle-to-Safe End Butt Welds ****									
B05.050.002	1-PZR-WP91-2		ISI-OCN1-002	NDE-35	PT	SS-CS	2.500		Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32. X-Y Quadrant.
	Circumferential	50	O-ISIN4-100A-1.2				0.000		
Class A	Term end		OM-201-1026		Nozzle to Safe End				
	Dissimilar								
B05.050.003	1-PZR-WP91-3		ISI-OCN1-002	NDE-35	PT	SS-CS	2.500		Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32. Z-W Quadrant.
	Circumferential	50	O-ISIN4-100A-1.2				0.000		
Class A	Term end		OM-201-1026		Nozzle to Safe End				
	Dissimilar								

Total B05.050 Items: 2

Total B05 Items: 2

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Head Nuts ****									
B06.010.001	1-RPV-26-203-01		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.002	1-RPV-26-203-02		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.003	1-RPV-26-203-03		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.004	1-RPV-26-203-04		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.005	1-RPV-26-203-05		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.006	1-RPV-26-203-06		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.007	1-RPV-26-203-07		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.008	1-RPV-26-203-08		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.009	1-RPV-26-203-09		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.010	1-RPV-26-203-10		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.011	1-RPV-26-203-11		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.012	1-RPV-26-203-12		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.013	1-RPV-26-203-13		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.014	1-RPV-26-203-14		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.015	1-RPV-26-203-15		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.016	1-RPV-26-203-16		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.017	1-RPV-26-203-17		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.018	1-RPV-26-203-18		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.019	1-RPV-26-203-19		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.020	1-RPV-26-203-20		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									

Total B06.010 Items: 20

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Studs, when removed ****									
B06.030.001 Class A	1-RPV-25-203-01		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.002 Class A	1-RPV-25-203-02		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.003 Class A	1-RPV-25-203-03		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.004 Class A	1-RPV-25-203-04		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.005 Class A	1-RPV-25-203-05		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.006 Class A	1-RPV-25-203-06		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.007 Class A	1-RPV-25-203-07		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.008 Class A	1-RPV-25-203-64		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.009 Class A	1-RPV-25-203-09		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.010 Class A	1-RPV-25-203-10		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.011 Class A	1-RPV-25-203-11		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.012 Class A	1-RPV-25-203-12		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.013 Class A	1-RPV-25-203-13		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.014 Class A	1-RPV-25-203-14		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.015 Class A	1-RPV-25-203-15		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.016 Class A	1-RPV-25-203-62		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.017 Class A	1-RPV-25-203-17		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.018 Class A	1-RPV-25-203-18		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.019 Class A	1-RPV-25-203-19		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.020 Class A	1-RPV-25-203-20		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.

Total B06.030 Items: 20

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Closure Washers, Bushings ******									
B06.050.001	1-RPV-WASH-BUSH		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.750 0.214		Reactor Vessel Closure Washers and Bushings. Stud Holes 1 - 20. Reference OM-201-2271 RPV Instruction Manual.
Class A									

Total B06.050 Items: 1

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Pressurizer

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Nuts, Bushings, and Washers ****									
B06.080.001	1-PZR-MW-NUTS		OM-201-9	QAL-13	VT-1	CS	2.750 0.000		Pressurizer Manway Nuts Pc. 68. Examination includes bushings and washers.
Class A									

Total B06.080 Items:	1
Total B06 Items:	42

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CATEGORY B-G-2, Pressure Retaining Bolting, 2 in. And Less In Diameter

Steam Generators

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.030.002	1-SGA-LMW-STUDS		OM-201.S-0001	QAL-13	VT-1	SS	2.000		Steam Generator 1A Lower Head Manway Studs and Nuts. (16 Studs & Nuts)
			OM-201.S-0158				0.000		Examine all studs and nuts.
Class A			OM-201.S-0171						Stud Length =19.63 inches.

Total B07.030 Items: 1

CATEGORY B-G-2, Pressure Retaining Bolting, 2 in. And Less In Diameter

Piping

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****									
B07.050.001 Class A	1-PZR-RC4-STUDS		OM-245-2012	QAL-13	VT-1	CS	1.125 0.000		Pressurizer EMO Valve RC-4 Inlet Flange Studs Pc. 19 and Nuts Pc. 20. W-Z Quadrant. Connected to Valve 1RC-66. 8 Studs, Length = 8.750. Examine all studs and nuts. Inspection in outage 1 is for additional sample and does not count in the percentages. The additional sample inspection in outage 1 revealed heavy rust that would not allow a thorough examination of the sections of bolting between the flanges. The nuts and portions of the stud above and below the nuts were acceptable. An engineering evaluation was performed and concluded that the bolting was acceptable for service for several more fuel cycles. The examination to be performed in outage 3 (EOC-24) will be performed by disassembling the flange and cleaning the bolting so that a thorough exam can be performed prior to any continued service.
B07.050.002 Class A	1-PZR-RC66-STUDS		OM-201-0591	QAL-13	VT-1	CS	1.125 0.000		Pressurizer Relief Valve RC-66 Inlet Flange Bolting. W-Z Quadrant. 8 Studs and 16 Nuts, Length = 8.750. Examine all studs and nuts. Inspection in outage 1 is for additional sample and does not count in the percentages.
B07.050.003 Class A	1-PZR-RC67-STUDS		OM-254-204 OM-254-205	QAL-13	VT-1	CS	1.125 0.000		Pressurizer Relief Valve RC-67 Inlet Flange Bolting. W-X Quadrant. 8 Studs and 16 Nuts, Length = 8.750. Examine all studs and nuts.
B07.050.004 Class A	1-PZR-RC68-STUDS		OM-254-204 OM-254-205	QAL-13	VT-1	CS	1.125 0.000		Pressurizer Relief Valve RC-68 Inlet Flange Bolting. X-Y Quadrant. 8 Studs and 16 Nuts, Length = 8.750. Examine all studs and nuts.

Total B07.050 Items: 4

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Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

CATEGORY B-G-2, Pressure Retaining Bolting, 2 in. And Less In Diameter

Pumps

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.060.003	1-RCP-1B1-SEAL		OM-201D-0062	QAL-13	VT-1	CS	2.000 0.000		Reactor Coolant Pump 1B1 Lower Seal Housing Bolts Pc. 117. 12 Cap Screws, Length = 8.000. Inspect lower seal housing bolting on one Reactor Coolant Pump only.
Class A									

Total B07.060 Items: 1

Total B07 Items: 6

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****									
B09.011.030	1SGA-W3		ISI-OCN1-007	NDE-600	UT	CS	33.500		Steam Generator 1A Outlet Nozzle to Pump 1A1 Suction Piping.
	Circumferential	50	O-ISIN4-100A-1.1				3.500		Weld W3 is listed on OM 201.S--0033.001 but drawing ISI-OCN1-007 is listed as the iso to show where the weld is located on the 1A1 Suction Piping Loop.
Class A	Term end		OM 201.S--0033.001		Nozzle to Pipe				
B09.011.030A	1SGA-W3		ISI-OCN1-007	NDE-25	MT	CS	33.500		Steam Generator 1A Outlet Nozzle to Pump 1A1 Suction Piping.
	Circumferential	50	O-ISIN4-100A-1.1				3.500		Weld W3 is listed on OM 201.S--0033.001 but drawing ISI-OCN1-007 is listed as the iso to show where the weld is located on the 1A1 Suction Piping Loop.
Class A	Term end		OM 201.S--0033.001		Nozzle to Pipe				
B09.011.031	1-PIA1-7		ISI-OCN1-007	See Com	UT	SS-CS	33.500	40350	Reactor Coolant Pump 1A1 Suction Piping.
	Circumferential	50	O-ISIN4-100A-1.1				2.330	40397	Transition Pc. 210 to Salvaged Pipe Pc. 215.
Class A	Stress weld Dissimilar		OM-201-1845		Transition Piece to Pipe				Procedure PDI-UT-10
B09.011.031A	1-PIA1-7		ISI-OCN1-007	NDE-35	PT	SS-CS	33.500		Reactor Coolant Pump 1A1 Suction Piping.
	Circumferential	50	O-ISIN4-100A-1.1				2.330		Transition Pc. 210 to Salvaged Pipe Pc. 215.
Class A	Stress weld Dissimilar		OM-201-1845		Transition Piece to Pipe				
B09.011.032	1-PIA1-9		ISI-OCN1-007	NDE-600	UT	SS	36.500	40397	Reactor Coolant Pump 1A1 Inlet Nozzle to Safe End Pc. 211.
	Circumferential	50	O-ISIN4-100A-1.1				2.330		Procedure PDI-UT-2 may be used.
Class A	Term end		OM-201-1846		Nozzle to Safe End				
B09.011.032A	1-PIA1-9		ISI-OCN1-007	NDE-35	PT	SS	36.500		Reactor Coolant Pump 1A1 Inlet Nozzle to Safe End Pc. 211.
	Circumferential	50	O-ISIN4-100A-1.1				2.330		
Class A	Term end		OM-201-1846		Nozzle to Safe End				
B09.011.054	1-PIA1-4		ISI-OCN1-007	NDE-600	UT	CS	33.500	40350	Procedure PDI-UT-1 may be used.
	Circumferential	50	B&W 131914E6				2.330		
Class A	Stress weld				Pipe to Elbow				

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.054A	1-PIA1-4		ISI-OCN1-007	NDE-25	MT	CS	33.500		
	Circumferential	50	B&W 131914E6				2.330		
Class A	Stress weld				Pipe to Elbow				
B09.011.055	1RC-289-7V		ISI-OCN1-007	NDE-600	UT	CS	33.500		Weld 7V is listed on weld iso 1RC-289 but drawing ISI-OCN1-007 is listed as the iso to show where the weld is located on the 1A1 Suction Piping Loop.
	Circumferential	50	1RC-289				3.500		
Class A	Stress weld				Pipe to Elbow				
B09.011.055A	1RC-289-7V		ISI-OCN1-007	NDE-25	MT	CS	33.500		Weld 7V is listed on weld iso 1RC-289 but drawing ISI-OCN1-007 is listed as the iso to show where the weld is located on the 1A1 Suction Piping Loop.
	Circumferential	50	1RC-289				3.500		
Class A	Stress weld				Pipe to Elbow				

Total B09.011 Items: 10

CATEGORY B-J, Pressure Retaining Welds In Piping

Less Than NPS 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****									
B09.021.002	1-50-01-34		1-50-01(1)	NDE-35	PT	SS-Inconel	1.500		Reactor Coolant Pump 1A1
	Circumferential	50	O-ISIN4-100A-1.1				0.281		Suction Piping. Safe End Pc. 65 to Elbow.
Class A	Stress weld		ISI-OCN1-007		Safe End to				
	Dissimilar				Elbow				
B09.021.003	1-51A-04-11C		1-51A-04	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A					Pipe to				
					Elbow				
B09.021.004	1-51A-04-14C		1-51A-04	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A					Elbow to				
					Pipe				
B09.021.020	1-PDA1-11		ISI-OCN1-011	NDE-35	PT	SS-CS	3.500		Reactor Coolant Pump 1A1 Discharge Piping.
	Circumferential	50	O-ISIN4-100A-1.1				0.750		Pressure Injection Nozzle Pc. 46 to Safe End Pc.
Class A	Stress weld		OM-201-1845		Nozzle to				47.
	Dissimilar				Safe End				
B09.021.024	1-PIA1-11		ISI-OCN1-007	NDE-35	PT	CS-Inconel	3.500		Reactor Coolant Pump 1A1 Suction Piping. Drain
	Circumferential	50	O-ISIN4-100A-1.1				0.816		Nozzle Pc. 64 to Safe End Pc. 65.
Class A	Stress weld		OM-201-1870		Nozzle to				
	Dissimilar				Safe End				
B09.021.037	1HP-190-16		1HP-190	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A	Stress weld				Pipe to				
					Valve 1HP-488				
B09.021.042	1HP-278-23C		1HP-278	NDE-35	PT	SS	2.500		This weld was listed previously as 1-51A-04-23C
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		until iso 1-51A-04 was redrawn.
Class A					Elbow to				
					Pipe				
B09.021.043	1HP-278-24		1HP-278	NDE-35	PT	SS	2.500		This item number was inspected in outage 1 of the
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		third interval and was with weld # 1-51A-04-25C .
Class A	Stress weld				Pipe to				The weld 1-51A-04-25C was deleted in outage 2 of
					Valve 1HP-487				the third interval so we assigned a new weld number
									to this item number (weld 1HP-278-24). This weld is
									not to be examined in the third interval.

CATEGORY B-J, Pressure Retaining Welds In Piping

Less Than NPS 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.021.059	1RC-261-266		1RC-261	NDE-35	PT	SS-Inconel	1.500		Reactor Coolant Pump 1B2
	Circumferential	50	O-ISIN4-100A-1.1				0.281		Suction Piping. Safe End Pc. 65 to Elbow.
Class A	Stress weld		ISI-OCN1-010		Safe End to				
	Dissimilar				Elbow				

Total B09.021 Items: 9

Total B09 Items: 19

CATEGORY B-N-1, Interior Of Reactor Vessel

Reactor Vessel

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Vessel Interior ****									
B13.010.001	1-RPV-INT-SURFACE		OM-201-1008	QAL-14	VT-3	SS	0.000		Reactor Vessel Interior. Areas to be examined shall include the spaces above and below the reactor core that are made accessible for examination by removal of components during normal refueling outages. Reference Framatome Procedure 54-ISI-364.
		50	ISI-OCN1-001	See Com			0.000		
Class A									

Total B13.010 Items: 1

Total B13 Items: 1

CATEGORY B-O, Pressure Retaining Welds In Control Rod Housings

Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Welds in CRD Housing ****									
B14.010.002	1-RPV-CRD-57WH9		OM-201-2186	NDE-35	PT	SS-Inconel	4.025		CRDM #57 Housing Body to Adapter.
		50	O-ISIN4-100A-1.1				0.650		
Class A			OM-201-1059		Housing Body to Adapter				
	Dissimilar								
B14.010.005	1-RPV-CRD-57W60		OM-2201-1085	NDE-35	PT	SS-CS	5.000		CRDM #57 Base to Motor Tube.
		50	O-ISIN4-100A-1.1				0.500		
Class A					Base to Motor Tube				
B14.010.008	1-RPV-CRD-57		OM-2201-1085	NDE-35	PT	SS-CS	4.300		CRDM #57 Motor Tube to Extension.
		50	O-ISIN4-100A-1.1				0.400		
Class A					Motor Tube to Extension				
B14.010.011	1-RPV-CRD-57W61		OM-2201-1085	NDE-35	PT	SS	4.190		CRDM #57 Extension to Cap.
		50	O-ISIN4-100A-1.1				0.380		
Class A					Extension to Cap				

Total B14.010 Items: 4

Total B14 Items: 4

CATEGORY C-C, Welded Attachments For Vessels, Piping, Pumps, And Valves

Piping

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Welded Attachments ****									
C03.020.004	1-01A-0-480A-H10A		1-01-07/sht.1	NDE-25	MT	NA	0.000		Calculation No. OSC-1296-06.
	Constant Support	01A	O-ISIN4-122A-1.1				1.500		
Class B									
C03.020.031	1-14-0-479A-H20D		1-14-17/sht.1	NDE-25	MT	NA	0.000		Calculation No. OSC-1306-06, page 6(5)-43. Inspect with F01.020.023.
	Rigid Support	14	O-ISIN4-124B-1.2				1.000		
Class B									
C03.020.042	1-14B-0-479A-H5F		1-14-12	NDE-25	MT	NA	0.000		Calculation No. OSC-1306-06, page 6(3)-42. Inspect with F01.020.031.
	Rigid Support	14B	O-ISIN4-124B-1.2				0.500		
Class B									
C03.020.056	1-51A-0-439C-H91		1-51-04/sht.3	NDE-35	PT	NA	0.000		Calculation No. OSC-1639, page 32.2. High Pressure Injection.
	Rigid Restraint	51A	O-ISIN4-101A-1.4				0.750		
Class B			O-1AB-15104-03						
C03.020.093	1-53B-2-0-436E-H1		1-53-01/sht.2	NDE-35	PT	NA	0.000		Calculation No. OSC-407, page 105.1. Inspect with F01.020.094.
	Rigid Support	53B	O-ISIN4-102A-1.1				0.216		
Class B			O-1AB-15301-02						

Total C03.020 Items:	**5**
Total C03 Items:	**5**

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CATEGORY C-F-1, Pressure Retaining Welds In Austenitic SS Or High Alloy Piping

Piping Welds >= 3/8 in. Nominal Wall Thickness for Piping > NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.011.003	1-53A-01-30L		1-53A-01(3)	NDE-600	UT	SS	10.000	40399	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.2				1.125		
Class B					Valve 1LP-48 to Pipe				
C05.011.003A	1-53A-01-30L		1-53A-01(3)	NDE-35	PT	SS	10.000		
	Circumferential	53A	O-ISIN4-102A-1.2				1.125		
Class B					Valve 1LP-48 to Pipe				

Total C05.011 Items: 2

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INSERVICE INSPECTION PLAN MANAGEMENT
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CATEGORY C-F-1, Pressure Retaining Welds In Austenitic SS Or High Alloy Piping

Piping Welds > 1/5 In. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.021.001	1-51A-01-79A		1-51A-01(3)	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Valve 1HP-148				
C05.021.001A	1-51A-01-79A		1-51A-01(3)	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Valve 1HP-148				
C05.021.002	1-51A-02-15B		1-51A-02	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Tee				
C05.021.002A	1-51A-02-15B		1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Tee				
C05.021.024	1HP-178-12		1HP-178	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				
C05.021.024A	1HP-178-12		1HP-178	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.030	1-51A-127-4		1-51A-127	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				
C05.021.030A	1-51A-127-4		1-51A-127	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				

CATEGORY C-F-1, Pressure Retaining Welds In Austenitic SS Or High Alloy Piping

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.038	1HP-367-19		1HP-367	NDE-600	UT	SS	3.000	TBD	Procedure PDI-UT-2 may be used.
	Circumferential	51B	O-ISIN4-101A-1.1				0.216		
Class B					Tee to Pipe				
C05.021.038A	1HP-367-19		1HP-367	NDE-35	PT	SS	3.000		
	Circumferential	51B	O-ISIN4-101A-1.1				0.216		
Class B					Tee to Pipe				
C05.021.045	1-51A-01-89A		1-51A-01(4)	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Tee to Tee				
C05.021.045A	1-51A-01-89A		1-51A-01(4)	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Tee to Tee				
C05.021.051	1-51A-02-16BA		1-51A-02	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				
C05.021.051A	1-51A-02-16BA		1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				
C05.021.082	1-51A-01-106A		1-51A-01(4)	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Pipe to Valve 1HP-115				
C05.021.082A	1-51A-01-106A		1-51A-01(4)	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Pipe to Valve 1HP-115				
C05.021.094	1-51A-02-7B		1-51A-02	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Elbow				

CATEGORY C-F-1, Pressure Retaining Welds In Austenitic SS Or High Alloy Piping

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.094A	1-51A-02-7B		1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Elbow				
C05.021.103A	1-RCP-FTR1A-SH-1		1-51A-02	NDE-35	PT	SS	4.000		Reactor Coolant Pump Seal Supply Filter 1A Pc. 10 to Pc. 1 Outlet End.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B	Term end		OM-201-0473		Filter Hub to Filter Housing				
C05.021.104A	1-RCP-FTR1A-SH-2		1-51A-02	NDE-35	PT	SS	4.000		Reactor Coolant Pump Seal Supply Filter 1A Pc. 10 to Pc. 1 Inlet End.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B	Term end		OM-201-0473		Filter Hub to Filter Housing				

Total C05.021 Items: 20

CATEGORY C-F-1, Pressure Retaining Welds In Austenitic SS Or High Alloy Piping

Socket Welds

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.030.001	1-51B-66-9		1-51B-66	NDE-35	PT	SS	2.000		
	Socket	51B	O-ISIN4-101A-1.2				0.154		
Class B					Pipe to Elbow				
C05.030.007	1HP-367-26		1HP-367	NDE-35	PT	SS	4.000		
	Socket	51B	O-ISIN4-101A-1.1				0.237		
Class B					Pipe to Full Coupling				

Total C05.030 Items: 2

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CATEGORY C-F-1, Pressure Retaining Welds In Austenitic SS Or High Alloy Piping

Pipe Branch Connections of Branch Piping >= NPS 2

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.041.001	1-53B-01-87B		1-53B-01(2)	NDE-35	PT	SS	8.000		
	Branch	53B	O-ISIN4-102A-1.2				0.250		
Class B					Pipe to Pipe				
C05.041.002	1-53B-01-87BA		1-53B-01(2)	NDE-35	PT	SS	8.000		Reinforcing collar at weld 87B.
	Branch	53B	O-ISIN4-102A-1.2				0.250		
Class B					Reinforcing collar to Pipe				
C05.041.011	1-53B-06-21KA		1-53B-06(1)	NDE-35	PT	SS	8.000		
	Branch	53B	O-ISIN4-102A-1.2				0.148		
Class B					Pipe to Pipe				
C05.041.012	1-53B-06-21KB		1-53B-06(1)	NDE-35	PT	SS	10.000		Reinforcing collar for weld 21KA.
	Branch	53B	O-ISIN4-102A-1.2				0.165		
Class B					Reinforcing collar to Pipe				

Total C05.041 Items: 4

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Inservice Inspection Database Management System

CATEGORY C-F-2, Pressure Retaining Welds In Carbon Or Low Alloy Steel Piping

Piping Welds >= 3/8 in. Nominal Wall Thickness for Piping > NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.051.006 Class B	1-MS17B-A Circumferential	01A	1MS-001	NDE-600	UT Elbow to Pipe	CS	34.000 1.164		Grinnell subassembly MS-17B. Note : This weld sub assembly was on iso 1-01A-1(1) prior to the iso being redrawn. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
C05.051.006A Class B	1-MS17B-A Circumferential	01A	1MS-001	NDE-25	MT Elbow to Pipe	CS	34.000 1.164		Grinnell Subassembly MS-17B Note : This weld sub assembly was on iso 1-01A-1(1) prior to the iso being redrawn.
C05.051.009 Class B	1MS-064-9 Circumferential	01A	1MS-064 O-ISIN4-122A-1.1	NDE-600	UT Pipe to Elbow	CS	12.000 0.562		This weld was previously listed as 1-01A-01-29C before the Iso was redrawn. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
C05.051.009A Class B	1MS-064-9 Circumferential	01A	1MS-064 O-ISIN4-122A-1.1	NDE-25	MT Pipe to Elbow	CS	12.000 0.562		This weld was previously listed as 1-01A-01-29C before the Iso was redrawn.
C05.051.012 Class B	1MS-076-12V Circumferential Term end	01A	1MS-076 O-ISIN4-122A-1.1	NDE-600	UT Reducer to Nozzle SG 1A	CS	24.000 0.969		This weld was previously listed as 1-01A-02-11BA before the Iso was redrawn. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
C05.051.012A Class B	1MS-076-12V Circumferential Term end	01A	1MS-076 O-ISIN4-122A-1.1	NDE-25	MT Reducer to Nozzle SG 1A	CS	24.000 0.969		This weld was previously listed as 1-01A-02-11BA before the Iso was redrawn.
C05.051.017 Class B	1MS-063-26 Circumferential	01A	1MS-063 O-ISIN4-122A-1.3	NDE-600	UT Elbow to Pipe	CS	8.000 0.500		This weld was previously listed as 1-01A-1-99 before the Iso was redrawn. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.

CATEGORY C-F-2, Pressure Retaining Welds In Carbon Or Low Alloy Steel Piping

Piping Welds >= 3/8 in. Nominal Wall Thickness for Piping > NPS 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.017A Class B	1MS-063-26 Circumferential	01A	1MS-063 O-ISIN4-122A-1.3	NDE-25	MT Elbow to Pipe	CS	8.000 0.500		This weld was previously listed as 1-01A-1-99 before the Iso was redrawn.
C05.051.030 Class B	1-FWD88-C Circumferential	03	1FDW-249	NDE-600	UT Elbow to Pipe	CS	14.000 0.750		Grinnell subassembly FWD-88. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used. This weld was shown previously on iso 1-03-3(1) until it was transferred to iso 1FDW-249.
C05.051.030A Class B	1-FWD88-C Circumferential	03	1FDW-249	NDE-35	PT Elbow to Pipe	CS	14.000 0.750		Grinnell subassembly FWD-88. This weld was shown previously on iso 1-03-3(1) until it was transferred to iso 1FDW-249. The surface exam was changed to PT because of the limited access to the weld.
C05.051.033 Class B	1-20B-21-16-2 Circumferential	20B	1-20B-21-16 O-ISIN4-116A-1.1	NDE-600	UT Valve 1PRV-1 to Pipe	CS	48.000 0.500		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
C05.051.033A Class B	1-20B-21-16-2 Circumferential	20B	1-20B-21-16 O-ISIN4-116A-1.1	NDE-25	MT Valve 1PRV-1 to Pipe	CS	48.000 0.500		
C05.051.036 Class B	1-LPSW-344-21 Circumferential	14B	1-LPSW-344 O-ISIN4-124B-1.2	NDE-600	UT Pipe to Elbow	CS	8.000 0.500		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
C05.051.036A Class B	1-LPSW-344-21 Circumferential	14B	1-LPSW-344 O-ISIN4-124B-1.2	NDE-25	MT Pipe to Elbow	CS	8.000 0.500		
C05.051.040 Class B	1LPSW-345-17 Circumferential	14B	1LPSW-345 O-ISIN4-124B-1.2	NDE-600	UT Flange to Pipe	CS	8.000 0.500		This weld was listed previously as 1-LPSW-345-17 until iso 1-LPSW-345 was redrawn. This weld was listed previously as 1-LPS-345-17 until iso 1-LPS-345 was deleted. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O

CATEGORY C-F-2, Pressure Retaining Welds In Carbon Or Low Alloy Steel Piping

Piping Welds >= 3/8 in. Nominal Wall Thickness for Piping > NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
									shall be used.
C05.051.040A Class B	1LPSW-345-17 Circumferential	14B	1LPSW-345 O-ISIN4-124B-1.2	NDE-25	MT Flange to Pipe	CS	8.000 0.500		This weld was listed previously as 1-LPSW-345-17 until iso 1-LPSW-345 was redrawn. This weld was listed previously as 1-LPS-345-17 until iso 1-LPS-345 was deleted.
C05.051.049 Class B	1-LPSW-346-21 Circumferential	14B	1-LPSW-346 O-ISIN4-124B-1.2	NDE-600	UT Elbow to Pipe	CS	8.000 0.500		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
C05.051.049A Class B	1-LPSW-346-21 Circumferential	14B	1-LPSW-346 O-ISIN4-124B-1.2	NDE-25	MT Elbow to Pipe	CS	8.000 0.500		
C05.051.060 Class B	1-14-230-1 Circumferential	14B	1-14-230 O-ISIN4-121D-1.1	NDE-600	UT Tee to Reducer	CS	6.000 0.432		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
C05.051.060A Class B	1-14-230-1 Circumferential	14B	1-14-230 O-ISIN4-121D-1.1	NDE-25	MT Tee to Reducer	CS	6.000 0.432		

Total C05.051 Items: 20

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INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

CATEGORY C-F-2, Pressure Retaining Welds In Carbon Or Low Alloy Steel Piping

Socket Welds

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.070.001	1FDW-305-3E		1FDW-305	NDE-35	PT	CS	2.000		This weld was listed previously as 1-03A-4-03E on iso 1-03A-4(2) until it was transferred to iso 1FDW-305.
	Socket	03A	O-ISIN4-121D-1.1				0.218		
Class B					Half Coupling to Pipe				

Total C05.070 Items: 1

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INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY C-F-2, Pressure Retaining Welds In Carbon Or Low Alloy Steel Piping

Pipe Branch Connections of Branch Piping >= NPS 2

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.081.004	1-MS17B-B		1MS-001	NDE-25	MT	CS	12.000		Grinnell Subassembly MS-17B.
	Branch	01A	O-ISIN4-122A-1.1				0.562		
Class B					Pipe to Pipe				
C05.081.005	1-FWD67-A		1FDW-250	NDE-25	MT	CS	20.000		Grinnell subassembly FWD-67.
	Branch	03					1.031		This Grinnell Subassembly weld was listed previously on iso 1-03(1) until it was transferred to iso 1FDW-250.
Class B					Pipe to Pipe				

Total C05.081 Items: 2

Total C05 Items: 51

CATEGORY D-A, Welded Attachments For Vessels, Piping, Pumps, And Valves

Piping

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
D01.020.011	1-03-0-439A-H63		1-03-01/sht.1	QAL-13	VT-1	NA	24.000		Calculation No. OSC-336, page 45a.1. Inspect with F01.032.017.
	Spring Hgr	03	O-ISIN4-121B-1.3				0.187		
Class C									
D01.020.028	1-03A-1-0-439A-SR39		1-03A-06/sht.1	QAL-13	VT-1	NA	6.000		Calculation No. OSC-340, page 88. Inspect with F01.030.044.
	Rigid Support	03A	O-ISIN4-121D-1.1				1.000		
Class C									
D01.020.029	1-03A-1-0-439B-H28		1-03A-06/sht.1	QAL-13	VT-1	NA	6.000		Calculation No. OSC-340, page 88. Inspect with F01.030.045.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.216		
Class C									
D01.020.036	1-04A-2-0-439B-R12		1-04A-06	QAL-13	VT-1	NA	6.000		Calculaton No. OSC-1404, page 77. Inspect with F01.032.041.
	Constant Support	04A	O-ISIN4-121B-1.5				0.437		
Class C									
D01.020.061	1-14B-0-400B-SR35		1-14-06/sht.2	QAL-13	VT-1	NA	24.000		Calculation No. OSC-1541, page 101. Inspect with F01.031.073.
	Rigid Restraint	14B	O-ISIN4-124A-1.1				3.500		
Class C									
D01.020.083	1-56-4-0-443-H65		4-56-02/sht.2	QAL-13	VT-1	NA	8.000		Calculation No. OSC-421, page 94
	Rigid Support	56	O-ISIN4-104A-1.1				1.000		
Class C									
D01.020.091	1-57-0-481A-H1		1-57-01/sht.1	QAL-13	VT-1	NA	12.000		Calculaton No. OSC-1313-06, page 41.1. Inspect with F01.030.141.
	Rigid Support	57	O-ISIN4-100A-1.2		-		0.750		
Class C			0-491C-2A(S)						

Total D01.020 Items: 7

Total D01 Items: 7

CATEGORY F-A, Supports

Class 1 Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Category A, One-Directional ****									
F01.010.005	1-51A-0-478A-H6228		1-55-03/sht.1	QAL-14	VT-3	NA	2.500		Calculation No. OSC-1660-11, page 65
	Rigid Support	51A	O-ISIN4-101A-1.1				0.000		High Pressure Injection.
Class A									
Total F01.010 Items:	1								
**** Category C, Thermal Movement ****									
F01.012.002	1-50-0-479A-H2A			QAL-14	VT-3	NA	10.000		Pressurizer Surge Lines. No Calculation Number.
	Hyd Snubber	50	O-ISIN4-100A-1.1				0.000		Inspect with F01.050.014.
Class A									
F01.012.008	1-53A-0-479A-H6200		1-53-07/sht.1	QAL-14	VT-3	NA	3.000		Calculation No. OSC-1301-06, page 91.
	Spring Hgr	53A	O-ISIN4-102A-1.1				0.000		
Class A									
F01.012.011	1-50-0-481A-NPS-H13-A		1-57-01/sht.1	QAL-14	VT-3	NA	4.000		Calculation No. OS-1313-06, page 44.1.
	Hyd Snubber	57	O-ISIN4-100A-1.2				0.000		Inspect with F01.050.015.
Class A									
Total F01.012 Items:	3								

Class 2 Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Category A, One-Directional ****									
F01.020.004	1-01A-0-481A-H2B		1-01-08/sht.1	QAL-14	VT-3	NA	24.250		Calculation No. OSC-1296-06.
	Rigid Support	01A	O-ISIN4-122A-1.1				0.500		
Class B									
F01.020.023	1-14-0-479A-H20D		1-14-17/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1306-06, page 6(5)-43.
	Rigid Support	14	O-ISIN4-124B-1.2				1.000		Inspect with C03.020.031.
Class B									
F01.020.031	1-14B-0-479A-H5F		1-14-12	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1306-06, page 6(3)-42.
	Rigid Support	14B	O-ISIN4-124B-1.2				0.500		Inspect with C03.020.042.
Class B									
F01.020.032	1-14B-0-479A-H18		1-14-15/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1409.
	Rigid Support	14B	O-ISIN4-124B-1.2				0.000		
Class B			O-1RB-11415-01						
F01.020.061	1-51A-0-439A-H100		1-51-04/sht.3	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1639, page 32.2. High
	Rigid Support	51A	O-ISIN4-101A-1.4				0.000		Pressure Injection.
Class B			O-1AB-15104-03						
F01.020.071	1-51B-2-0-437A-DE051		1-51-07/sht.4	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1539, page 73.
	Rigid Support	51B	O-ISIN4-101A-1.4				0.000		
Class B									
F01.020.094	1-53B-2-0-436E-H1		1-53-01/sht.2	QAL-14	VT-3	NA	14.000		Calculation No. OSC-407, page 105.1. Inspect with
	Rigid Support	53B	O-ISIN4-102A-1.1				0.216		C03.020.093.
Class B			O-1AB-15301-02						
F01.020.113	1-54A-3-0-439A-H23		1-54-03/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-416, page 58.1.
	Rigid Support	54A	O-ISIN4-103A-1.1				0.000		
Class B									

Total F01.020 Items: 8

**** Category B, Multi-Directional ****

CATEGORY F-A, Supports

Class 2 Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.021.042	1-14B-0-479A-H6		1-14-15/sht.1	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1409.
	Rigid Restraint	14B	O-ISIN4-124B-1.2				0.216		
Class B									
F01.021.063	1-51A-0-439C-H91		1-51-04/sht.3	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1639, page 32.2. High Pressure Injection.
	Rigid Restraint	51A	O-ISIN4-101A-1.4				0.750		
Class B			O-1AB-15104-03						
F01.021.072	1-51B-436H-H5176		1-51-01/sht.3	QAL-14	VT-3	NA	2.500		Calculation No. OSC-400, page 52.
	Rigid Restraint	51B	O-ISIN4-101A-1.2				0.000		
Class B			O-1AB-15101-03						
F01.021.121	1-56-439C-DE001		4-56-02/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-421, page 93.
	Rigid Restraint	56	O-ISIN4-104A-1.1				0.000		
Class B									

Total F01.021 Items: 4

****** Category C, Thermal Movement ******

F01.022.062	1-51A-1-0-444-H3		1-51-05/sht.2	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1537, page 56.1. High Pressure Injection.
	Spring Hgr	51A	O-ISIN4-101A-1.3				0.500		
Class B									
F01.022.102	1-53B-3-0-444-H1		1-53-01/sht.2	QAL-14	VT-3	NA	12.000		Calculation No. OSC-407, page 105.1.
	Spring Hgr	53B	O-ISIN4-102A-1.1				1.000		
Class B			O-1AB-15301-02						
F01.022.103	1-53B-4-0-435B-H10		1-53-01/sht.1	QAL-14	VT-3	NA	14.000		Calculation No. OSC-407, page 104.
	Spring Hgr	53B	O-ISIN4-102A-1.1				0.237		
Class B			O-1AB-15301-01						
F01.022.113	1-54A-3-0-435B-R5		1-54-01/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1628, page 60. Inspect with F01.050.057.
	Hyd Snubber	54A	O-ISIN4-103A-1.1				0.000		
Class B									

Total F01.022 Items: 4

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Class 3 Piping Supports

Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Category A, One-Directional ****									
F01.030.042	1-03A-401A-DE003		1-03A-05/sht.1	QAL-14	VT-3	NA	6.000		Calculation No. OSC-339, page 79.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.000		
Class C									
F01.030.043	1-03A-1-0-437A-H67		1-03A-05/sht.4	QAL-14	VT-3	NA	6.000		Calculation No. OSC-339, page 82.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.500		
Class C									
F01.030.044	1-03A-1-0-439A-SR39		1-03A-06/sht.1	QAL-14	VT-3	NA	6.000		Calculation No. OSC-340, page 88.
	Rigid Support	03A	O-ISIN4-121D-1.1				1.000		
Class C									
F01.030.045	1-03A-1-0-439B-H28		1-03A-06/sht.1	QAL-14	VT-3	NA	6.000		Calculation No. OSC-340, page 88. Inspect with D01.020.029.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.216		
Class C									
F01.030.056	1-04A-2-0-439B-H17		1-04A-06	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1404, page 77.
	Rigid Support	04A	O-ISIN4-121B-1.5				0.000		
Class C									
F01.030.057	1-04A-2-0-439B-H16		1-04A-06	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1404, page 77.
	Rigid Support	04A	O-ISIN4-121B-1.5				0.000		
Class C									
F01.030.063	1-07A-400B-GTE-1901		1-07A-02/sht.2	QAL-14	VT-3	NA	8.000		Calculation No. OSC-362, page 56.
	Rigid Support	07A	O-ISIN4-121A-1.8				0.000		
Class C									
F01.030.064	1-07A-400B-SR8		1-07A-02/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-362, page 55.
	Rigid Support	07A	O-ISIN4-121A-1.8				0.000		
Class C									

Class 3 Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.071	1-08-400A-H4050		1-08-01/sht.2	QAL-14	VT-3	NA	10.000		Calculation No. OSC-1902.
	Rigid Support	08	O-ISIN4-122A-1.4				0.000		
Class C									
F01.030.102	1-14B-0-439A-SR57		1-14-06/sht.1	QAL-14	VT-3	NA	14.000		Calculation No. OSC-1541, page 100
	Rigid Support	14B	O-ISIN4-124B-1.2				0.000		
Class C									
F01.030.131	1-56-438C-DE009		4-56-02/sht.2	QAL-14	VT-3	NA	8.000		Calculation No. OSC-421, page 94.
	Rigid Support	56	O-ISIN4-104A-1.1				0.000		
Class C									
F01.030.132	1-56-5-0-437B-H17		4-56-07/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1359-02, page 28.
	Rigid Support	56	O-ISIN4-104A-1.1				0.000		
Class C									
F01.030.136	1-56-4-0-443-H65		4-56-02/sht.2	QAL-14	VT-3	NA	8.000		Calculation No. OSC-421, page 94.
	Rigid Support	56	O-ISIN4-104A-1.1				1.000		
Class C									
F01.030.141	1-57-0-481A-H1		1-57-01/sht.1	QAL-14	VT-3	NA	12.000		Calculation No. OSC-1313-06, page 41.1. Inspect with F01.030.141.
	Rigid Support	57	O-ISIN4-100A-1.2				0.750		
Class C			0-491C-2A(S)						

Total F01.030 Items: 14

****** Category B, Multi-Directional ******

F01.031.011	1-03-480A-H6175		1-03A-14/sht.1	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1224-16, page 41.
	Rigid Restraint	03	O-ISIN4-121D-1.1				0.000		
Class C									
F01.031.035	1-04A-2-0-439B-R5		1-04A-06	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1404, page 77.
	Rigid Restraint	04A	O-ISIN4-121B-1.5				1.000		
Class C									

CATEGORY F-A, Supports

Class 3 Piping Supports

Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.031.036	1-04A-2-0-439B-R6		1-04A-06	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1404, page 77.
	Rigid Restraint	04A	O-ISIN4-121B-1.5				0.375		
Class C									
F01.031.042	1-07A-400B-SR22		1-07A-01/sht.4	QAL-14	VT-3	NA	30.000		Calculation No. OSC-361, page 88.1.
	Rigid Restraint	07A	O-ISIN4-121A-1.7				0.000		
Class C									
F01.031.051	1-08-400A-H4055		1-08-01/sht.2	QAL-14	VT-3	NA	10.000		Calculation No. OSC-1902, page 39.
	Rigid Restraint	08	O-ISIN4-122A-1.4				0.000		
Class C									
F01.031.073	1-14B-0-400B-SR35		1-14-06/sht.2	QAL-14	VT-3	NA	24.000		Calculation No. OSC-1541, page 101. Inspect with F01.031.073.
	Rigid Restraint	14B	O-ISIN4-124A-1.1				3.500		
Class C									
F01.031.074	1-14B-0-437A-SR51		1-14-06/sht.2	QAL-14	VT-3	NA	14.000		Calculation No. OSC-1541, page 101.
	Rigid Restraint	14B	O-ISIN4-124B-1.1				1.625		
Class C									

Total F01.031 Items: 7

****** Category C, Thermal Movement ******

F01.032.017	1-03-0-439A-H63		1-03-01/sht.1	QAL-14	VT-3	NA	24.000		Calculation No. OSC-336, page 45a.1. Inspect with D01.020.011 and H04.001.012.
	Spring Hgr	03	O-ISIN4-121B-1.3				0.187		
Class C									
F01.032.018	1-03-479F-H6068		1-03A-14/sht.2	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1224-16, page 42. Inspect with F01.050.099.
	Mech Snubber	03	O-ISIN4-121D-1.1				0.000		
Class C									
F01.032.041	1-04A-2-0-439B-R12		1-04A-06	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1404, page 77. Inspect with D01.020.036.
	Constant Support	04A	O-ISIN4-121B-1.5				0.437		
Class C									

CATEGORY F-A, Supports

Class 3 Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.032.052	1-07A-6-0-400A-H41		1-07A-01/sht.1	QAL-14	VT-3	NA	24.000		Calculation No. OSC-361, page 85.1. Inspect with F01.050.102.
	Mech Snubber	07A	O-ISIN4-121A-1.8				0.000		
Class C									

Total F01.032 Items: 4

CATEGORY F-A, Supports

Supports Other Than Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Class 1, 2, and 3 ****									
F01.040.006	1-DHRC-A-SUPPORT		OM 201-286	QAL-14	VT-3	NA	0.000		Decay Heat Removal Cooler 1A. Support located on Class C side of HX.
		14B	O-ISIN4-102A-1.2				0.000		
Class C									

Total F01.040 Items:	1
Total F01 Items:	46

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.011A Class A	1A1-THERM SLEEVE Circumferential	51A	ISI OCN1-011 O-ISIN4-100A-1.1	NDE-105	RT	SS	3.500 0.750		Make-Up Nozzle 1A1. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.011B Class A	1A2-THERM SLEEVE Circumferential	51A	ISI OCN1-012 O-ISIN4-100A-1.1	NDE-105	RT	SS	3.500 0.750		Make-Up Nozzle 1A2. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.011C Class A	1B1-THERM SLEEVE Circumferential	51A	ISI OCN1-013 O-ISIN4-100A-1.1	NDE-105	RT	SS	3.500 0.750		HPI Nozzle 1B1. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.011D Class A	1B2-THERM SLEEVE Circumferential	51A	ISI OCN1-014 O-ISIN4-100A-1.1	NDE-105	RT	SS	3.500 0.750		HPI Nozzle 1B2. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.

Total G02.001 Items: 4

Total G02 Items: 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.007 Class A	1HP-255-6 Circumferential	51A	1HP-255 O-ISIN4-101A-1.4	NDE-995	UT Elbow to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-10-6 until iso 1-51A-10 was deleted and welds were transferred to iso 1HP-255. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.012 Class A	1HP-190-12 Circumferential	51A	1HP-190	NDE-995	UT Pipe to Elbow	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-5-77C until iso 1-51A-5 was deleted and welds transferred to iso 1HP-190. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.015 Class A	1HP-190-16 Circumferential	51A	1HP-190 O-ISIN4-101A-1.4	NDE-995	UT Pipe to Valve 1HP-488	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1.
G04.001.016 Class A	1HP-190-13 Circumferential	51A	1HP-190 O-ISIN4-101A-1.4	NDE-995	UT Elbow to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements.
G04.001.017 Class A	1HP-279-4 Circumferential	51A	1HP-279 O-ISIN4-101A-1.4	NDE-995	UT Elbow to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-10-4 until iso 1-51A-10 was deleted and welds tranferred to iso 1HP-279. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.018 Class A	1HP-279-3 Circumferential	51A	1HP-279 O-ISIN4-101A-1.4	NDE-995	UT Elbow to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-10-3 until iso 1-51A-10 was deleted and welds tranferred to iso 1HP-279. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.019 Class A	1HP-279-24 Circumferential	51A	1HP-279 O-ISIN4-101A-1.4	NDE-995	UT Pipe to Valve 1HP-489	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements.

CATEGORY AUG, Augmented Inspections

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.021	1HP-277-42C		1HP-277	NDE-995	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-04-42C until iso 1-51A-04 was deleted and welds transferred to iso 1HP-277. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A					Pipe to Elbow				
G04.001.022	1HP-277-43C		1HP-277	NDE-995	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-04-43C until iso 1-51A-04 was deleted and welds tranferred to iso 1-HP-277. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A					Elbow to Pipe				
G04.001.023	1HP-277-52		1HP-277	NDE-995	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A					Pipe to Valve 1HP-486				
G04.001.025	1HP-278-22C		1HP-278	NDE-995	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-04-22C until iso 1-51A-04 was deleted welds tranferred to 1-HP-278. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A					Pipe to Elbow				
G04.001.026	1HP-278-23C		1HP-278	NDE-995	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-04-23C until iso 1-51A-04 was deleted and welds transferred to iso 1-HP-278. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A					Elbow to Pipe				
G04.001.027	1HP-278-24		1HP-278	NDE-995	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A					Pipe to Valve 1HP-487				

Total G04.001 Items: 13

Total G04 Items: 13

CATEGORY ELC, Elective Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
H03.001.001	1-03-3-3X4		1-03-3(1)	NDE-600	UT	CS	24.000		Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-940 should be used for thickness measurements on this weld. Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.
	Circumferential	03	O-ISIN4-121B-1.3	NDE-940			1.219		
Class B					Pipe to Pipe				
H03.001.002	1-FWD64-C		1-03-3(1)	NDE-600	UT	CS	24.000		Weld 1-03-3-3x4 is a Pipe to Pipe weld located on Iso 1-03-3(1). Weld 1-FWD64-C is a Grinnell Subassembly (pipe to elbow) weld located immediately down stream from weld 1-03-3-3x4. Procedure NDE-600 should be used for angle beam inspection and Procedure NDE-940 should be used for thickness measurements on this weld. Inspection results should be forwarded to Timothy D. Brown of the Oconee Design Basis Group.
	Circumferential	03	O-ISIN4-121B-1.3	NDE-940			1.219		
Class B					Pipe to Elbow				

Total H03.001 Items: 2

Total H03 Items: 2

CATEGORY ELC, Elective Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
H04.001.012	1-03-0-439A-H63		1-03-01/sht.1	QAL-14	VT-3	NA	24.000		Calculation No. OSC-336, page 45a.1. Inspect with D01.020.011, F01.032.017, and H04.001.012A.
	Spring Hgr	03	O-ISIN4-121B-1.3				0.187		
Class C									
H04.001.012A	1-03-0-439A-H63		1-03-01/sht.1	NDE-25	MT	NA	24.000		Calculation No. OSC-336, page 45a.1. Inspect with H04.001.012 and F01.032.017. Perform a Surface exam on the attachment welds. Note: Liquid Penetrant examinations (with the use of procedure NDE-35) may be performed on carbon steel material in lieu of or in conjunction with Magnetic Particle examinations.
	Spring Hgr	03	O-ISIN4-121B-1.3				0.187		
Class C									

Total H04.001 Items:	**2**
Total H04 Items:	**2**

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:

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 1) had one reportable item during this report period. See Paragraph 4.2 for corrective actions associated with Item Number B07.050.003.

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.

PIP O-05-2556 was written to document a problem found during a VT-1 examination on bolting for a Pressurizer Relief Valve (Item Number B07.050.003).The indications found during the VT-1 examination were reviewed by civil engineering and the bolting was found to be unacceptable for continued service. Plan Addenda ONS1-022 was written to schedule two additional sample examinations as required per Paragraph IWB-2430(a) of the 1998 Section XI Code with the 2000 Addenda. The two additional sample examinations were scheduled and performed during EOC-22. There will not be any surveillance inspections required per IWB-2420(b) because the bolting that had the unacceptable indications was replaced.

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 Energy Corporate Office in Charlotte, North Carolina.

4.4 Limited Examinations

Limited examinations (i.e., less than or equal to 90% of the required examination coverage obtained) identified during EOC 22 (Outage 1) 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.

Item Number	*Description of Limitation*
B09.011.032	Coverage limitation (37.50%)
C05.021.001	Coverage limitation (37.50%)
C05.021.082	Coverage limitation (37.50%)

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B01.030.001A	1-RPV-WR19	50	04/13/2005	CLR	---	N	N	Inspected By JHR, JAE and WCL on 4-13-2005.
B02.011.001	1-PZR-WP76	50	04/18/2005	CLR	---	N	N	
B02.012.001	1-PZR-WP1-1	50	04/18/2005	CLR	---	N	N	Inspected by JAE and LEM on 4-18-2005.
B05.050.002	1-PZR-WP91-2	50	04/17/2005	CLR	---	N	N	
B05.050.003	1-PZR-WP91-3	50	04/17/2005	CLR	---	N	N	
B06.010.001	1-RPV-26-203-01		04/15/2005	CLR	---	N	N	
B06.010.002	1-RPV-26-203-02		04/15/2005	CLR	---	N	N	
B06.010.003	1-RPV-26-203-03		04/15/2005	CLR	---	N	N	
B06.010.004	1-RPV-26-203-04		04/15/2005	CLR	---	N	N	
B06.010.005	1-RPV-26-203-05		04/15/2005	CLR	---	N	N	
B06.010.006	1-RPV-26-203-06		04/15/2005	CLR	---	N	N	
B06.010.007	1-RPV-26-203-07		04/15/2005	CLR	---	N	N	
B06.010.008	1-RPV-26-203-08		04/15/2005	CLR	---	N	N	
B06.010.009	1-RPV-26-203-09		04/15/2005	CLR	---	N	N	
B06.010.010	1-RPV-26-203-10		04/15/2005	CLR	---	N	N	
B06.010.011	1-RPV-26-203-11		04/15/2005	CLR	---	N	N	
B06.010.012	1-RPV-26-203-12		04/15/2005	CLR	---	N	N	
B06.010.013	1-RPV-26-203-13		04/16/2005	CLR	---	N	N	
B06.010.014	1-RPV-26-203-14		04/16/2005	CLR	---	N	N	
B06.010.015	1-RPV-26-203-15		04/16/2005	CLR	---	N	N	
B06.010.016	1-RPV-26-203-16		04/16/2005	CLR	---	N	N	
B06.010.017	1-RPV-26-203-17		04/16/2005	CLR	---	N	N	
B06.010.018	1-RPV-26-203-18		04/16/2005	CLR	---	N	N	
B06.010.019	1-RPV-26-203-19		04/16/2005	CLR	---	N	N	
B06.010.020	1-RPV-26-203-20		04/16/2005	CLR	---	N	N	
B06.030.001	1-RPV-25-203-01		04/15/2005	CLR	---	N	N	
B06.030.002	1-RPV-25-203-02		04/15/2005	CLR	---	N	N	
B06.030.003	1-RPV-25-203-03		04/15/2005	CLR	---	N	N	
B06.030.004	1-RPV-25-203-04		04/15/2005	CLR	---	N	N	
B06.030.005	1-RPV-25-203-05		04/15/2005	CLR	---	N	N	
B06.030.006	1-RPV-25-203-06		04/15/2005	CLR	---	N	N	
B06.030.007	1-RPV-25-203-07		04/15/2005	CLR	---	N	N	
B06.030.008	1-RPV-25-203-64		04/15/2005	CLR	---	N	N	
B06.030.009	1-RPV-25-203-09		04/15/2005	CLR	---	N	N	
B06.030.010	1-RPV-25-203-10		04/15/2005	CLR	---	N	N	
B06.030.011	1-RPV-25-203-11		04/15/2005	CLR	---	N	N	

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B06.030.012	1-RPV-25-203-12		04/15/2005	CLR	---	N	N	
B06.030.013	1-RPV-25-203-13		04/16/2005	CLR	---	N	N	
B06.030.014	1-RPV-25-203-14		04/16/2005	CLR	---	N	N	
B06.030.015	1-RPV-25-203-15		04/16/2005	CLR	---	N	N	
B06.030.016	1-RPV-25-203-62		04/16/2005	CLR	---	N	N	
B06.030.017	1-RPV-25-203-17		04/16/2005	CLR	---	N	N	
B06.030.018	1-RPV-25-203-18		04/16/2005	CLR	---	N	N	
B06.030.019	1-RPV-25-203-19		04/16/2005	CLR	---	N	N	
B06.030.020	1-RPV-25-203-20		04/16/2005	CLR	---	N	N	
B06.050.001	1-RPV-WASH-BUSH		04/16/2005	CLR	---	N	N	Bushings/Washers for stud holes 1 thru 12 inspected by PSE on 4-15-2005. Bushings/Washers for stud holes 13 thru 20 inspected by JWH on 4-16-2005.
B06.080.001	1-PZR-MW-NUTS		04/13/2005	CLR	---	N	N	
B07.030.002	1-SGA-LMW-STUDS		04/13/2005	CLR	---	N	N	
B07.050.001	1-PZR-RC4-STUDS		04/15/2005	REC	---	N	N	The additional sample inspection in outage 1 revealed heavy rust that would not allow a thorough examination of the sections of bolting between the flanges. The nuts and portions of the stud above and below the nuts were acceptable. An engineering evaluation was performed and concluded that the bolting was acceptable for service for several more fuel cyles. The examination to be performed in outage 3 (EOC-24) will be performed by disassembling the flange and cleaning the bolting so that a thorough exam can be performed prior to any continued service.
B07.050.002	1-PZR-RC66-STUDS		04/15/2005	CLR	---	N	N	
B07.050.003	1-PZR-RC67-STUDS		04/13/2005	REP	---	N	N	There were 2 studs that were examined and found to have flattened threads within the thread engagement zone. The damaged threads were reviewed by engineering and determined to be unacceptable for service. Per IWB-2430(a) two additional exams were scheduled and performed. There will be no surveillance exams required per IWB2420(b) because the bolting with the damaged threads was replaced. PIP O-05-02556 was written to document the problem associated with the inspection of item B07.050.003.
B07.050.004	1-PZR-RC68-STUDS		04/13/2005	CLR	---	N	N	
B07.060.003	1-RCP-1B1-SEAL		04/13/2005	CLR	---	N	N	
B09.011.030	1SGA-W3	50	04/15/2005	CLR	---	N	N	

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B09.011.030A	1SGA-W3	50	04/14/2005	CLR	---	N	N	
B09.011.031	1-PIA1-7	50	04/17/2005	CLR	---	N	N	
B09.011.031A	1-PIA1-7	50	04/13/2005	CLR	---	N	N	
B09.011.032	1-PIA1-9	50	04/14/2005	CLR	37.50%	N	Y	Relief Request will be filed for the limitation.
B09.011.032A	1-PIA1-9	50	04/13/2005	CLR	---	N	N	
B09.011.054	1-PIA1-4	50	04/15/2005	CLR	---	N	N	
B09.011.054A	1-PIA1-4	50	04/14/2005	CLR	---	N	N	
B09.011.055	1RC-289-7V	50	04/15/2005	CLR	---	N	N	
B09.011.055A	1RC-289-7V	50	04/14/2005	CLR	---	N	N	
B09.021.002	1-50-01-34	50	04/12/2005	CLR	---	N	N	
B09.021.003	1-51A-04-11C	51A	04/21/2005	CLR	---	N	N	
B09.021.004	1-51A-04-14C	51A	04/21/2005	CLR	---	N	N	
B09.021.020	1-PDA1-11	50	04/18/2005	CLR	---	N	N	
B09.021.024	1-PIA1-11	50	04/12/2005	CLR	---	N	N	
B09.021.037	1HP-190-16	51A	04/12/2005	CLR	---	N	N	
B09.021.042	1HP-278-23C	51A	04/15/2005	CLR	---	N	N	
B09.021.043	1HP-278-24	51A	04/15/2005	CLR	---	N	N	
B09.021.059	1RC-261-266	50	04/12/2005	CLR	---	N	N	
B13.010.001	1-RPV-INT-SURFACE	50	04/14/2005	CLR	---	N	N	
B14.010.002	1-RPV-CRD-57WH9	50	04/15/2005	CLR	---	N	N	
B14.010.005	1-RPV-CRD-57W60	50	04/15/2005	CLR	---	N	N	
B14.010.008	1-RPV-CRD-57	50	04/15/2005	CLR	---	N	N	
B14.010.011	1-RPV-CRD-57W61	50	04/15/2005	CLR	---	N	N	
C03.020.004	1-01A-0-480A-H10A	01A	04/14/2005	CLR	---	N	N	
C03.020.031	1-14-0-479A-H20D	14	04/24/2005	CLR	---	N	N	
C03.020.042	1-14B-0-479A-H5F	14B	04/24/2005	CLR	---	N	N	
C03.020.056	1-51A-0-439C-H91	51A	01/31/2005	CLR	---	N	N	
C03.020.093	1-53B-2-0-436E-H1	53B	02/01/2005	CLR	---	N	N	
C05.011.003	1-53A-01-30L	53A	04/19/2005	CLR	92.93%	Y	N	There was 1 indication that was determined to be a geometric reflector coming from the weld root configuration.
C05.011.003A	1-53A-01-30L	53A	04/19/2005	CLR	---	N	N	
C05.021.001	1-51A-01-79A	51A	02/02/2005	CLR	37.50%	N	Y	Relief Request will be filed for the limitation.
C05.021.001A	1-51A-01-79A	51A	02/01/2005	CLR	---	N	N	
C05.021.002	1-51A-02-15B	51A	04/21/2005	CLR	---	N	N	
C05.021.002A	1-51A-02-15B	51A	04/21/2005	CLR	---	N	N	
C05.021.024	1HP-178-12	51A	02/01/2005	CLR	---	N	N	
C05.021.024A	1HP-178-12	51A	02/01/2005	CLR	---	N	N	

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C05.021.030	1-51A-127-4	51A	02/02/2005	CLR	---	N	N	
C05.021.030A	1-51A-127-4	51A	02/01/2005	CLR	---	N	N	
C05.021.038	1HP-367-19	51B	02/03/2005	CLR	---	N	N	
C05.021.038A	1HP-367-19	51B	02/02/2005	CLR	---	N	N	
C05.021.045	1-51A-01-89A	51A	02/02/2005	CLR	---	N	N	
C05.021.045A	1-51A-01-89A	51A	02/01/2005	CLR	---	N	N	
C05.021.051	1-51A-02-16BA	51A	04/21/2005	CLR	---	N	N	
C05.021.051A	1-51A-02-16BA	51A	04/21/2005	CLR	---	N	N	
C05.021.082	1-51A-01-106A	51A	02/02/2005	CLR	37.50%	N	Y	Relief Request will be filed for the limitation.
C05.021.082A	1-51A-01-106A	51A	02/01/2005	CLR	---	N	N	
C05.021.094	1-51A-02-7B	51A	04/22/2005	CLR	---	N	N	
C05.021.094A	1-51A-02-7B	51A	04/22/2005	CLR	---	N	N	
C05.021.103A	1-RCP-FTR1A-SH-1	51A	04/21/2005	CLR	---	N	N	
C05.021.104A	1-RCP-FTR1A-SH-2	51A	04/21/2005	CLR	---	N	N	
C05.030.001	1-51B-66-9	51B	02/01/2005	CLR	---	N	N	
C05.030.007	1HP-367-26	51B	02/02/2005	CLR	---	N	N	
C05.041.001	1-53B-01-87B	53B	02/01/2005	CLR	---	N	N	
C05.041.002	1-53B-01-87BA	53B	02/01/2005	CLR	---	N	N	
C05.041.011	1-53B-06-21KA	53B	02/03/2005	CLR	---	N	N	
C05.041.012	1-53B-06-21KB	53B	02/03/2005	CLR	---	N	N	
C05.051.006	1-MS17B-A	01A	04/26/2005	CLR	---	Y	N	There were 2 indications that were determined to be geometrical reflectors due to backing ring configurations.
C05.051.006A	1-MS17B-A	01A	04/26/2005	CLR	---	N	N	
C05.051.009	1MS-064-9	01A	04/22/2005	CLR	---	Y	N	There were 2 indications that were determined to be geometric reflectors due to weld root and backing ring configurations.
C05.051.009A	1MS-064-9	01A	04/22/2005	CLR	---	N	N	
C05.051.012	1MS-076-12V	01A	04/15/2005	CLR	---	Y	N	There was 1 indication that was determined to be a geometric reflector due to ID taper.
C05.051.012A	1MS-076-12V	01A	04/15/2005	CLR	---	N	N	
C05.051.017	1MS-063-26	01A	04/22/2005	CLR	---	Y	N	There was 1 indication that was determined to be a geometrical reflector due to backing ring.
C05.051.017A	1MS-063-26	01A	04/22/2005	CLR	---	N	N	
C05.051.030	1-FWD88-C	03	04/20/2005	CLR	---	Y	N	There were 4 indications that were determined to be geometrical reflectors due to backing ring.
C05.051.030A	1-FWD88-C	03	04/19/2005	CLR	---	N	N	
C05.051.033	1-20B-21-16-2	20B	04/25/2005	CLR	---	N	N	
C05.051.033A	1-20B-21-16-2	20B	04/25/2005	CLR	---	N	N	

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C05.051.036	1-LPSW-344-21	14B	01/31/2005	CLR	---	N	N	
C05.051.036A	1-LPSW-344-21	14B	01/31/2005	CLR	---	N	N	
C05.051.040	1LPSW-345-17	14B	01/31/2005	CLR	---	N	N	
C05.051.040A	1LPSW-345-17	14B	01/31/2005	CLR	---	N	N	
C05.051.049	1-LPSW-346-21	14B	01/31/2005	CLR	---	N	N	
C05.051.049A	1-LPSW-346-21	14B	01/31/2005	CLR	---	N	N	
C05.051.060	1-14-230-1	14B	04/21/2005	CLR	---	Y	N	There were 2 indications that were determined to be geometrical reflectors due to the counterbore and weld root configuration.
C05.051.060A	1-14-230-1	14B	04/21/2005	CLR	---	N	N	
C05.070.001	1FDW-305-3E	03A	04/22/2005	CLR	---	N	N	
C05.081.004	1-MS17B-B	01A	04/26/2005	CLR	---	N	N	
C05.081.005	1-FWD67-A	03	04/14/2005	CLR	---	N	N	
D01.020.011	1-03-0-439A-H63	03	02/03/2005	CLR	---	N	N	
D01.020.028	1-03A-1-0-439A-SR39	03A	02/23/2005	CLR	---	N	N	
D01.020.029	1-03A-1-0-439B-H28	03A	02/23/2005	CLR	---	N	N	
D01.020.036	1-04A-2-0-439B-R12	04A	03/02/2005	CLR	---	N	N	
D01.020.061	1-14B-0-400B-SR35	14B	03/09/2005	CLR	---	N	N	
D01.020.083	1-56-4-0-443-H65	56	02/23/2005	CLR	---	N	N	
D01.020.091	1-57-0-481A-H1	57	04/20/2005	CLR	---	N	N	
F01.010.005	1-51A-0-478A-H6228	51A	04/22/2005	CLR	---	N	N	
F01.012.002	1-50-0-479A-H2A	50	04/14/2005	CLR	---	N	N	
F01.012.008	1-53A-0-479A-H6200	53A	04/16/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98344211 was written to correct problem.
F01.012.011	1-50-0-481A-NPS-H13-	57	04/28/2005	CLR	---	N	N	
F01.020.004	1-01A-0-481A-H2B	01A	04/13/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98723624 was written to correct problems.
F01.020.023	1-14-0-479A-H20D	14	04/14/2005	CLR	---	N	N	
F01.020.031	1-14B-0-479A-H5F	14B	04/14/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineeing and the support was found to be acceptable for service.
F01.020.032	1-14B-0-479A-H18	14B	04/20/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.020.061	1-51A-0-439A-H100	51A	02/23/2005	CLR	---	N	N	
F01.020.071	1-51B-2-0-437A-DE051	51B	03/09/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil

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								engineeing and the support was found to be acceptable for service.
F01.020.094	1-53B-2-0-436E-H1	53B	02/03/2005	CLR	---	N	N	
F01.020.113	1-54A-3-0-439A-H23	54A	02/23/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98339817 was written to correct problems.
F01.021.042	1-14B-0-479A-H6	14B	04/15/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98344422 was written to correct problems.
F01.021.063	1-51A-0-439C-H91	51A	02/03/2005	CLR	---	N	N	
F01.021.072	1-51B-436H-H5176	51B	04/13/2005	CLR	---	N	N	
F01.021.121	1-56-439C-DE001	56	02/23/2005	CLR	---	N	N	
F01.022.062	1-51A-1-0-444-H3	51A	03/09/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineeing and the support was found to be acceptable for service.
F01.022.102	1-53B-3-0-444-H1	53B	03/09/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineeing and the support was found to be acceptable for service.Work Order # 98341270 and 98721388 were written to correct problems.
F01.022.103	1-53B-4-0-435B-H10	53B	03/09/2005	CLR	---	N	N	
F01.022.113	1-54A-3-0-435B-R5	54A	03/02/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98703185 was written to correct problems
F01.030.042	1-03A-401A-DE003	03A	03/02/2005	CLR	---	N	N	
F01.030.043	1-03A-1-0-437A-H67	03A	03/09/2005	CLR	---	N	N	
F01.030.044	1-03A-1-0-439A-SR39	03A	02/23/2005	CLR	---	N	N	
F01.030.045	1-03A-1-0-439B-H28	03A	02/23/2005	CLR	---	N	N	
F01.030.056	1-04A-2-0-439B-H17	04A	02/23/2005	CLR	---	N	N	
F01.030.057	1-04A-2-0-439B-H16	04A	02/23/2005	CLR	---	N	N	
F01.030.063	1-07A-400B-GTE-1901	07A	03/02/2005	CLR	---	N	N	
F01.030.064	1-07A-400B-SR8	07A	03/02/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.030.071	1-08-400A-H4050	08	03/02/2005	CLR	---	N	N	
F01.030.102	1-14B-0-439A-SR57	14B	02/23/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98340376 was written to correct problems

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F01.030.131	1-56-438C-DE009	56	03/02/2005	CLR	---	N	N	
F01.030.132	1-56-5-0-437B-H17	56	03/09/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.030.136	1-56-4-0-443-H65	56	02/23/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.030.141	1-57-0-481A-H1	57	04/20/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98724851 was written to correct problems.
F01.031.011	1-03-480A-H6175	03	04/14/2005	CLR	---	N	N	
F01.031.035	1-04A-2-0-439B-R5	04A	02/23/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.031.036	1-04A-2-0-439B-R6	04A	03/02/2005	CLR	---	N	N	
F01.031.042	1-07A-400B-SR22	07A	03/02/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.031.051	1-08-400A-H4055	08	03/02/2005	CLR	---	N	N	
F01.031.073	1-14B-0-400B-SR35	14B	03/09/2005	CLR	---	N	N	
F01.031.074	1-14B-0-437A-SR51	14B	04/16/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98343955 was written to correct problems.
F01.032.017	1-03-0-439A-H63	03	02/03/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98717379 was written to correct problems.
F01.032.018	1-03-479F-H6068	03	04/13/2005	CLR	---	N	N	
F01.032.041	1-04A-2-0-439B-R12	04A	03/02/2005	CLR	---	N	N	
F01.032.052	1-07A-6-0-400A-H41	07A	03/02/2005	CLR	---	N	N	
F01.040.006	1-DHRC-A-SUPPORT	14B	03/02/2005	CLR	---	N	N	
G02.001.011A	1A1-THERM SLEEVE	51A	04/19/2005	CLR	---	N	N	
G02.001.011B	1A2-THERM SLEEVE	51A	04/15/2005	CLR	---	N	N	
G02.001.011C	1B1-THERM SLEEVE	51A	04/16/2005	CLR	---	N	N	
G02.001.011D	1B2-THERM SLEEVE	51A	04/16/2005	CLR	---	N	N	
G04.001.007	1HP-255-6	51A	04/18/2005	CLR	---	N	N	
G04.001.012	1HP-190-12	51A	04/12/2005	CLR	---	N	N	
G04.001.015	1HP-190-16	51A	04/12/2005	CLR	---	N	N	

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
G04.001.016	1HP-190-13	51A	04/12/2005	CLR	---	N	N	
G04.001.017	1HP-279-4	51A	04/18/2005	CLR	---	N	N	
G04.001.018	1HP-279-3	51A	04/18/2005	CLR	---	N	N	
G04.001.019	1HP-279-24	51A	04/18/2005	CLR	---	N	N	
G04.001.021	1HP-277-42C	51A	04/16/2005	CLR	---	N	N	
G04.001.022	1HP-277-43C	51A	04/16/2005	CLR	---	N	N	
G04.001.023	1HP-277-52	51A	04/16/2005	CLR	---	N	N	
G04.001.025	1HP-278-22C	51A	04/16/2005	CLR	---	N	N	
G04.001.026	1HP-278-23C	51A	04/16/2005	CLR	---	N	N	
G04.001.027	1HP-278-24	51A	04/16/2005	CLR	---	N	N	
H03.001.001	1-03-3-3X4	03	04/23/2005	CLR	---	Y	N	There were 2 indications that were determined to be geometric reflectors due to backing ring.
H03.001.002	1-FWD64-C	03	04/23/2005	CLR	---	Y	N	There were 2 indications that were determined to be geometric reflectors due to backing ring.
H04.001.012	1-03-0-439A-H63	03	02/03/2005	REC	---	N	N	The discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98717379 was written to correct problems
H04.001.012A	1-03-0-439A-H63	03	01/31/2005	CLR	---	N	N	

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 23 work orders for category 1 repair and replacement documentation for this reporting period. Work Orders 98514515, 98514532, 98514529, 98514536, 98513935, 98514007, 98513924, 98513925, 98513884, 98513915, 98513919, 98513922, 98514043, 98514046, 98514051, 98514054, 98514761, 98514080, 98514083, 98514564, 98535912, 98514558 and 98616048-01 had work completed prior to 1-10-2004 and copies of the NIS-2 forms are included in this report. Twenty-two of the work orders are associated with the Steam Generator Replacements and the NIS-2 forms associated with this work are the first 118 pages that immediately follow this page. The NIS-2 forms associated with work order 98616048-01 consist of 2 pages that follow the 118 pages from the steam generator replacement NIS-2 forms. PIP O-04-01493 was written at the end of the Unit 1 EOC-21 refueling outage to document the late submittal for the NIS-2 forms associated with the 23 work orders listed previously in this paragraph.

Category 2 had 55 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 and ISI Class 2 items during this report period. There are two list for PSI exams that were performed and both list are located behind the NIS-2 forms in this section. The first list has three pages and is titled "Steam Generator Preservice Weld Examination". The second list has one page and is titled "Preservice Examinations of Class 1 & 2 Welds". PSI examination data for items on the two list previously mentioned, are on file in the Oconee Nuclear Station QA Vault.

FORM NIS-2 OWNER'S REF OR REPAIRS OR REPLACEMENTS
As Required By The Pro. ions Of The ASME Code Section XI

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

1.a Date 09/20/04

Sheet 1 of 28

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

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

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

3a. Work Order # 98514515, 98514532, 98514529, 98514536
Repair Organization Job #

3b. NSM or MM # ON-13086 AS6 WP 12570A, 13040A, 12570B, 13040B, 13065A, 13065B

4. Identification of System Reactor Coolant System Class 1

5. (a) Applicable Construction Code ASME III 1989 Edition N/A Addenda, No Addenda /Code Cases N-20-4, N-474-2, 2142-1, 2143-1
(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	Steam Generator	Babcock & Wilcox Co. Barberton, Ohio	620-0003-55 #1	N-103	SG 1A	1969	☐ Repaired ☑ Replaced ☐ Replacement	☐ No ☑ Yes
B	Steam Generator	Babcock & Wilcox of Canada, Cambridge, Ontario	006K01	205	SG 1A	2003	☐ Repaired ☐ Replaced ☑ Replacement	☐ No ☑ Yes
C	Steam Generator	Babcock & Wilcox Co. Barberton, Ohio	620-0003-55 #2	N-104	SG 1B	1969	☐ Repaired ☑ Replaced ☐ Replacement	☐ No ☑ Yes
D	Steam Generator	Babcock & Wilcox of Canada, Cambridge, Ontario	006K02	206	SG 1B	2003	☐ Repaired ☐ Replaced ☑ Replacement	☐ No ☑ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Replaced Unit 1 A & B Steam Generators

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. Remark: Removed Unit 1 steam generators 1A (620-0003-55 #1) and 1B (620-0003-55 #2) made by B&W of Barberton, Ohio and replaced with 1A (006K01) and 1B (006K02) made by B&W Canada of Cambridge, Ontario. Applied Code Case 416-1.

(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 SGRH SENIOR ENGINEER Expiration Date N/A

Signed [signature] Date 9/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 6-2-03 to 9-20-04; 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 NC853, N, I

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

Date 9-28-04

Steam Generator #1 FORM N-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR VESSELS
620-0003-55 #1 As required by the Provisions of the ASME Code Rules

1. Manufactured by The Babcock & Wilcox Company Barberton, Ohio
(Name and address of Manufacturer)

2. Manufactured for Duke Power Company, Courtnay, South Carolina
(Name and address of Purchaser)

3. Type Vert. (Horiz. or Vert.) Kind Heat Exch. (Tank, Jacketed, Heat Ex.) Vessel No. (N-103) (Mfrs. Serial No.) ( ) (State & State No.) Nat'l Bd. No. N-103 Yr. Built 1969

Items 4–8 incl. to be completed for single-wall vessels, jackets of jacketed vessels, or shells of heat-exchangers.

Secondary

4. Shell: Material SA-212 B (Kind & Spec. No.) T.S. FB 70000 (Min. of range specified) Thickness Min. 4.1875" 6.625 Corrosion Allowance 1/16" Diam. ft. 11 ID 5 7/8" Length 61 ft. OH 7 7/16"

5. Seams: Long Butt Welded H.T.[1] Yes X.R. Yes Efficiency % (If Class B)

Girth Butt Welded H.T.[1] Yes X.R. Yes No. of Courses 7

6. Heads (a) Material T.S. (b) Material T.S.

	Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Convex or Concave)
(a)									
(b)									

If removable, bolts used (Material, Spec. No., T.S., Size, Number) Other fastening (Describe or attach sketch)

7. Jacket Closure (Describe as ogee & weld, bar, etc. If bar give dimensions, describe or sketch)

8. Constructed for operating press.[2] 1050 psi at Max. temp 600 °F Charpy Impact 20 ft-lb at temp. of 40 °F. ~~Pneumatic~~ Hydrostatic or ~~Combination~~ Test Pressure 1312 psi

Items 9 and 10 to be completed for tube sections.

9. Tube Sheets: Stationary. Material SA508-64 CL-2 (Kind & Spec. No.) Diam. 158 1/2 (Subject to press.) OD in. Thickness 24 in. Attachment Butt Welded (Welded, Bolted)

Floating. Material (Kind & Spec. No.) Diam. in. Thickness in. Attachment

10. Tubes: Material SB-163 (Kind & Spec. No.) O.D. .625 in. Thickness .034 inches or gage Number 15531 Type Straight (Straight or U)

Items 11 to 14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

Primary Heads & Nozzles Cladd Internally 1/8 Min. Thk. Tube Sheet Cladd 5/16" Min. Thk.

11. Shell: Material With Austenitic Stainless Steel (Kind & Spec. No.) (Min. of range specified) Corrosion Allowance in. Diam. ft. in. Length ft. in.

12. Seams: Long (Welded, Dbl., Single) H.T.[1] (Yes or No) X.R. Efficiency % (If Class B)

Girth H.T.[1] X.R. No. of Courses

13. Heads: (a) Material SA-302 T.S. 80000 (b) Material SA-302B T.S. 80000 (c) Material T.S.

	Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Convex or Concave)
(a)	Top, bottom, ends	Top 8"					59 17/32		Concave
(b)	Channel	Bot 8"					59 17/32		Concave
(c)	Floating								

If removable, bolts used (a) (b) (c) (Material, Spec. No., T.S., Size, Number) Other fastening (Describe or attach sketch)

14. Constructed for specified operating press.[2] 2500 psi at Max. temp 650 °F Charpy Impact 30 ft-lb at temp. of 40 °F ~~Pneumatic~~ Hydrostatic or ~~Combination~~ Test Pressure 3125 psi

[1] If Postweld Heat-Treated

[2] List other internal or external pressures with coincident temperature when applicable.

620-0003-55 #1
Steam Generator #1

FORM N-1 (back)

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Pri. Inlet	1	42 3/8"OD	Weld	SA508-64CL1	3 1/8"	Integral	Welded
Pri. Outlet	2	33 5/16"OD	Weld	SA508-64CL1	2 7/16"	Integral	Welded
Pri. Drain	1	1.315"OD	Weld	SB-166	.157"		Welded

17. Inspection Manholes, No. 4 Size 16 Location One Each Head 2 Shell
Openings: Handholes, No. 9 Size 5 Location One Each Head 7 Shell
Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt Yes (Yes or No) Lugs _____ (Number) Legs _____ (Number) Other _____ (Describe) Attached Welded To Bottom Head (Where & How)

19.

Steam Outlet	2	31 5/16"	Weld	SA508-64CL1	4 1/2	Integral	Welded
Drain	2	1.900" OD	Weld	SA-106 B	.175		Welded
Drain	10	1.315" OD	Weld	SA-106 B	.157		Welded
Vert. & Drain	5	2.875" OD	Weld	SA508-64CL1	1/2"	Integral	Welded

Class A Vessel Once Through Steam Generator
(Brief description of service for which vessel was designed)

CERTIFICATION OF DESIGN

Design information on file at The Babcock & Wilcox Company Barberton, Ohio
Stress analysis report on file at The Babcock & Wilcox Company Barberton, Ohio
Design specifications certified by J. T. Walton Prof. Eng. _____ State Va Reg. No. 4671
Stress analysis report certified by J. P. Butti Prof. Eng. _____ State Ohio Reg. No. E29810

We certify that the statements made in this report are correct and that all details of material, design, construction, and workmanship of this pressure vessel conform to the ASME Code for Nuclear Vessels.

Date April 22, 1970 Signed The Babcock & Wilcox Co. (Manufacturer) By R E Lowe

Certificate of Authorization Expires December 31, 1970

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY The Babcock & Wilcox Company at Barberton, Ohio

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of _____ and employed by The Hartford S.B.I. & I. Co. of Hartford, Connecticut have inspected the pressure vessel described in this manufacturer's data report on July 8, 1969, and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the ASME Code for Nuclear Vessels.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data 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.

Date Nov 20 1969

A J Bates
Inspector's Signature

Commissions NBC # 1994
National Board or State and No.

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of _____ and employed by _____ of _____ have compared the statements in this manufacturer's data report with the described pressure vessel and state that parts referred to as data items _____; not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the manufacturer has constructed and assembled this pressure vessel in accordance with the ASME Code for Nuclear Vessels. The described vessel was inspected and subjected to a hydrostatic test of _____ psi.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data 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.

Date _____ 19____

Inspector's Signature

Commissions _____
National Board or State and No.

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by: Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3 (name and address of N Certificate Holder)

2. Manufactured for: Duke Power Company, P.O. Box 1006, Charlotte, North Carolina, 28201-1006 (name and address of Purchaser)

3. Location of installation: Oconee 1, Seneca, South Carolina (name and address)

4. Type: Vert. (horiz. or vert.) | Heat Ex. (tank, jacketed, heat ex.) | 006K01 (Cert. Holder's serial no.) | — (CRN) | 006KE001 Rev. 3 & E002 Rev. 01 (drawing no.) | 205 (Nat'l Bd. No.) | 2003 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | None (addenda date) | 1 (class) | List #1 Att. (Code Case no.)

Items 6 – 10 inclusive to be completed for single wall vessels, jackets of jacked vessels, or shells of heat exchangers.

6. Shell: SA-508 Cl. 3a (mat'l spec. no.) | 90 ksi (tensile strength) | List #2 Att. [nom. Thickness (in.)] | List #2 Att. [min. design thickness (in.)] | List #2 Att. [dia. ID (ft. & in.)] | List #2 Att. [length (overall) (ft. & in.)]

7. Seams: List #3 Att. (long.) | List #3 Att. (HT[1]) | List #3 Att. (RT) | List #3 Att. (eff. %) | List #3 Att. (girth) | List #3 Att. (HT[1]) | List #3 Att. (RT) | 4 (no. of courses)

8. Heads: — [(a) mat'l spec. no.] | — (tensile strength) | — [(b) mat'l spec. no.] | — (tensile strength)

	Location (top bottom, ends	Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Radius	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	—	—	—	—	—	—	—	—	—	—
(b)	—	—	—	—	—	—	—	—	—	—

If removable bolts used: — (mat'l spec. no., size, quantity) Other fastening — (describe or attach sketch)

9. Jacket Closure: — (Describe as edge & weld, bar, etc. if bar, give dimensions, describe, or sketch)

10. Design pressure[2] 1150 (psi) At max. temp. 600 (°F) Min. pressure test temp 70 (°F) Pneu., hydro., or combined test 1500 (psi)

Items 11 and 12 to be completed for tube sections.

11. Tubesheets: SA-508 Cl. 3a (stationary, mat'l. spec. no.) | 137 7/8 [dia. in. (subject to pressure)] | 22-3/16 [thickness (in.)] | welded [attachment(welded, bolted)]
— (floating, mat'l. spec.) | — [dia.(in.)] | — [thickness (in.)] | — (attachment)

12. Tubes: SB-163 UNS N06690 (mat'l. spec. no.) | 5/8 [OD(in)] | 0.038 Thickness (inches or gauge) | 15631 (no.) | straight [type (straight or U)]

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

13. Shell: — (mat'l. spec. no.) | — (tensile strength) | — [nom. Thickness (in.)] | — [min. design thickness (in.)] | — [dia. (ft & in.)] | — [length (overall)(ft. & in.)]

14. Seams: — [long(welded, dbl., single)] | — [HT[1] (yes or no)] | — (RT) | — (eff. %) | Single (girth) | Yes (HT[1]) | Full (RT) | 1 (no. of courses)

15. Heads: — [(a) mat'l spec.] | — (tensile strength) | SA-508 Cl. 3a [(b) mat'l. spec. no.] | 90 ksi (tensile strength) | — [(c)mat'l. spec. no.] | — (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends	—	—	—	—	—	—	—	—
(b) Channel – top	6 3/8"	—	—	1:1	—	59-17/32"	—	concave
Channel – bottom	6 3/8"	—	—	1:1	—	59-17/32"	—	concave
(c) Floating	—	—	—	—	—	—	—	—

If bolts used — (mat'l. spec. no., size, quantity) Other fastening — (describe or attach sheet)

16. Design pressure[2] 2500 (psi) at 650 (°F) Min. pressure-test temp. 70 (°F) Pneu., hydro., or comb. Test pressure 3125 (psi)

[1] If post weld heat treated. [2] List other internal or external pressure with coincident temperature when applicable.
*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ X 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded on the top of this form.

FORM N-1(back Pg. 2 of 6)

Certificate Holder's Serial No. 00EK01

17. Nozzles, inspection and safety valve openings.

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or size	Type	How attached	Mat'l.	Thickness	Reinforcement Material	Location
See List #4								

18. Supports: Skirt See List #5 (yes or no) Lugs See List #5 (quantity) Legs — (quantity) Other — (describe) Attached See List #5 (where and how)

19. Remarks:

CERTIFICATION OF DESIGN

Design specification certified by See List #6 P.E. State/Province See List #6 Reg. No. See List #6

Design report* certified by J. T. Boyd P.E. State Ont. Reg. No. 04801502

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III Division 1.

N Certificate of Authorization No. N-2789 Expires January 23, 2004

Date August 21, 2003 Name Babcock & Wilcox Canada (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF SHOP 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 Ontario and employed by Technical Standards and Safety Authority of Ontario have inspected the component described in this Data Report on July 24/03, and state that to the b[illegible]y knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date Aug. 21/03 Signed (Authorized Inspector) Commissions NB# 8112-B-N. (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. Expires

Date Name (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 and employed by of have compared the statements in this Data Report with the described component and state that parts referred to as data items , not included in the certificate of shop inspection, have been inspected by me on and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date Signed (Authorized Inspector) Commissions (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

REVIEWED AUG 27 2003

Attachment to FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3
(name and address of N Certificate Holder)

2. Manufactured for Duke Power Company, P.O. Box 1006, North Carolina, 28201-1006
(name and address of Purchaser)

3. Location of installation Oconee 1, Seneca, South Carolina
(name and address)

4. Type:	Vertical	Heat Exchanger	006K01	—	006KE001 Rev. 3 & 006KE002 Rev. 1	205	2003
	(horiz. or vert.)	(tank, jacketed, heat ex.)	(Cert. Holder's serial no.)	(CRN)	(drawing no.)	(Nat'l Bd. No.)	(year built)

List #1

N-20-4
N-474-2
2142-1
2143-1

List #2

	Nominal Thickness	Min. Design Thickness	Inner Diameter	Length (per section thickness)	Length Overall
Shell can below upper T/S (thick shell, adjacent to T/S, taper to thin shell)	5⅛" 3⅛"	5" 3"	137⅞" 137⅞"	52¾" 79 1/16"	131 13/16"
Thin Shell to Thick to Thin	3⅛" 5⅛" 3⅛"	3" 5" 3"	137⅞" 137⅞" 137⅞"	19¼" 112¾" 27½"	159⅛"
Thin Shell	3⅛"	3"	137⅞"	—	173¾"
Shell Can Above Lower T/S (thin shell taper to thick shell, adjacent to T/S)	3⅛" 5⅛"	3" 5"	137⅞" 137⅞"	106 7/16" 52½"	159 3/16"

Attachment to FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3
(name and address of N Certificate Holder)

2. Manufactured for Duke Power Company, P.O. Box 1006, North Carolina, 28201-1006
(name and address of Purchaser)

3. Location of installation Oconee 1, Seneca, South Carolina
(name and address)

4. Type: Vertical (horiz. or vert.) | Heat Exchanger (tank, jacketed, heat ex.) | 006K01 (Cert. Holder's serial no.) | — (CRN) | 006KE001 Rev. 3 & 006KE002 Rev. 1 (drawing no.) | 205 (Nat'l Bd. No.) | 2003 (year built)

List #3

Seam	Longitudinal Joint Type	HT	RT	eff (%)	Girth Joint Type	HT	RT
Tubesheet (Forging)	N/A	N/A	N/A	N/A	Double	Yes	Full
Shell Can #1	None	Yes	Full	100	Double	Yes	Full
Shell Can #2	None	Yes	Full	100	Double	Yes	Full
Shell Can #3	None	Yes	Full	100	Double	Yes	Full
Shell Can #4	None	Yes	Full	100	Double	Yes	Full
Tubesheet (Forging)	N/A	N/A	N/A	N/A			

Attachment to FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3
(name and address of N Certificate Holder)

2. Manufactured for Duke Power Company, P.O. Box 1006, North Carolina, 28201-1006
(name and address of Purchaser)

3. Location of installation Oconee 1, Seneca, South Carolina
(name and address)

4. Type:	Vertical	Heat Exchanger	006K01	—	006KE001 Rev. 3 & 006KE002 Rev. 1	205	2003
	(horiz. or vert.)	(tank, jacketed, heat ex.)	(Cert. Holder's serial no.)	(CRN)	(drawing no.)	(Nat'l Bd. No.)	(year built)

List #4

Purpose (Inlet, outlet, drain, etc.)	Qty.	(ID) Dia. or Size	Type	How Attached	Material	(min.) Thickness	Reinforcement Material	Location
Primary Nozzles Inlet	1	35"	I	Integral	SA-508 Cl. 3a	3"	N/A	Upper Chan. Head
Primary Nozzles Outlet	2	28"	F	Welded	SA-508 Cl. 3a	3¼"	N/A	Lower Chan. Head
Primary Manway	2	16"	I	Integral	SA-508 CL. 3a	8"	SA-508 CL. 3a	Chan. Heads
Primary Manway Cover	2	28½"	—	Bolted	SA-533 Typ. B CL. 1	5½"	N/A	Chan. Heads
Primary Handhole	1	6"	I	Integral	SA-508 Cl. 3a	3¼"	N/A	Upper Chan. Head
Primary Handhole Cover	1	12¾"	—	Bolted	SA-533 Typ. B CL. 1	2½"	N/A	Upper Chan. Head
Secondary Handholes	5	6"	I	Integral	SA-508 CL. 3a	*	N/A	Shell
Handhole Covers	5	12¾"	—	Bolted	SA-533 Typ. B CL. 1	2½"	N/A	Shell
Inspection Ports	30	3"	I	Integral	SA-508 Cl. 3a	*	N/A	Shell
Inspection Port Covers	30	8¼"	—	Bolted	SA-533 Typ. B CL. 1	1.46"	N/A	Shell
Feedwater Nozzles fed by external header	32	4"	—	Welded/ Bolted	SA-182 Gr. F22	0.602"	N/A	Shell
Auxiliary Feedwater Nozzles fed by external header	6	4"	—	Welded/ Bolted	SA-182 Gr. F22	0.602"	N/A	Shell
Secondary Manway	2	16"	I	Integral	SA-508 CL. 3a	*	N/A	Shell
Secondary Manway Cover	2	25¼"	—	Bolted	SA-533 Typ. B CL. 1	3"	N/A	Shell
Steam Nozzle	2	22.265"	F	Welded	SA-508 CL. 3a	3½"	SA-508 CL. 3a	Shell
Instrument Nozzles	7	1½"	F	Welded	SFA 5.5 E7018 A1	0.41"	N/A	Shell
Instrument Nozzles	12	1"	F	Welded	SFA 5.5 E7018 A1	0.45"	N/A	Shell
MFW Inspection Plugs	8	¾"	F	Welded	SA-105	0.30"	SA-105	Shell
Downcomer Temp Sensor	3	½" NPT fitting	P	Welded	SA-479 Type 316L	0.565"	N/A	Shell

* n/a – no protruding shell penetration
F = full penetration weld
I = integrally forged
P=partial penetration weld

Attachment to FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3
(name and address of N Certificate Holder)

2. Manufactured for Duke Power Company, P.O. Box 1006, North Carolina, 28201-1006
(name and address of Purchaser)

3. Location of installation Oconee 1, Seneca, South Carolina
(name and address)

4. Type:						
Vertical	Heat Exchanger	006K01	—	006KE001 Rev. 3 & 006KE002 Rev. 1	205	2003
(horiz. or vert.)	(tank, jacketed, heat ex.)	(Cert. Holder's serial no.)	(CRN)	(drawing no.)	(Nat'l Bd. No.)	(year built)

List #5

Description	Skirt (yes or no)	Lugs (qty.)	Legs (qty.)	Attached (where & how)
Lower Shroud Lugs	No	12	—	shell/welded
Upper Shroud Lug	Yes	—	—	shell/integral
Orifice Ring Lug	Yes	—	—	shell/integral
Lower Primary Head Base Support	Yes	—	—	channel head/integral

List #6

Name	State	Reg. No.
M. C. Keck	N.C.	18367
J. C. Herrin	N.C.	14504

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

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by The Japan Steel Works, Ltd., Muroran Plant/4-chatsu-machi,Muroran,Hokkaido,051-8505 Japan
(name and address of NPT Certificate Holder)

2. Manufactured for Babcock & Wilcox, 581 Coronation Blvd., Cambridge, Ontario, N1R 5V3, Canada
(name and address of purchaser)

3. Location of installation Oconee Nuclear Power Plant Unit 1, 2 & 3 Oconee, South Carolina
(name and address)

4. Type N148344W, Rev. 1 (drawing no.) | SA-508, Cl. 3a (mat'l. spec. no.) | Min. 90ksi (tensile strength) | - (CRN) | 2001 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No addenda (addenda date) | 1 (class) | - (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) - (no.) Revision - Date -

7. Remarks: * Eydrostatic test is not performed in The Japan Steel Works, Ltd.
Cladding thickness is min. 0.20" from base metal.
Cladding materials are SFA-5.4, AWS Cl. E309L-16 + E308L-16 and SFA-5.9 ER309L + ER308L.

8. Nom. thickness (in.) 6-3/8" Min. design thickness (in.) 6-1/4" Dia. ID (ft & in.) 9'-11.75" Length overall (ft & in.) 5'-2.59"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. in Numerical Order		Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	1053	431	(26)		
(2)			(27)		
(3)			(28)		
(4)			(29)		
(5)			(30)		
(6)			(31)		
(7)			(32)		
(8)			(33)		
(9)			(34)		
(10)			(35)		
(11)			(36)		
(12)			(37)		
(13)			(38)		
(14)			(39)		
(15)			(40)		
(16)			(41)		
(17)			(42)		
(18)			(43)		
(19)			(44)		
(20)			(45)		
(21)			(46)		
(22)			(47)		
(23)			(48)		
(24)			(49)		
(25)			(50)		

BWC INCOMING INSPECTION AUG 22 2001 Q.C. 16 APPROVED

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A (when applicable) at temp. °F

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(7/98) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

E00040

* P.O. No. : CM3313634 JSW Job No. : FN9-4304
Heat No. : 00D246-1-1 JSW PC. No. : 2

FORM N-2 (Back — Pg 2 of 2)

Certificate Holder's Serial Nos. 1053 through -

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report* certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Part conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2725 Expires July 21, 2001

Date June 27, 2001 Name The Japan Steel Works, Ltd. Muroran Plant (NPT Certificate Holder)* Signed for (authorized representative) J. Taira

CERTIFICATE OF 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 ILLINOIS and employed by H.S.B.I. & I. Co. of HARTFORD. CT. have inspected these items described in this Data Report on June 27, 2001, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date June 27, 2001 Signed (Authorized Nuclear Inspector) Commissions NB10104, N, B, A (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Removed for further manufacturing 08/28/01

To be sent to the customer with the data package.

08/21/03.

BWC INCOMING INSPECTION

AUG 27 2001

Q.C. 16 APPROVED

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

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by The Japan Steel Works, Ltd., Muroran Plant/4-Chatsu-machi,Muroran,Hokkaido,051-8505 Japan (name and address of NPT Certificate Holder)
2. Manufactured for Babcock & Wilcox, 581 Coronation Blvd., Cambridge, Ontario, N1R 5V3, Canada (name and address of purchaser)
3. Location of installation Oconee Nuclear Power Plant Unit 1, 2 & 3 Oconee, South Carolina (name and address)
4. Type N148361W, Rev. 2 (drawing no.) | SA-508, Cl. 3a (mat'l spec. no.) | Min. 90ksi (tensile strength) | - (CRN) | 2001 (year built)
5. ASME Code, Section III, Division 1: 1989 (edition) | No addenda (addenda date) | 1 (class) | - (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) - (no.) Revision - Date -
7. Remarks:* Hydrostatic test is not performed in The Japan Steel Works, Ltd.
   Cladding thickness is min. 0.20" from base metal.
   Cladding materials are SFA-5.4, AWS Cl. E309L-16 + E308L-16 and SFA-5.9 ER309L + ER308L.
8. Nom. thickness (in.) 6-3/8" Min. design thickness (in.) 6-1/4" Dia. ID (ft & in.) 9'-11.75" Length overall (ft & in.) 7'-0.87"
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 1051	425	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

BWC INCOMING INSPECTION
APR 19 2001
Q.C. 16 APPROVED

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A (when applicable) at temp. °F

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

7/99) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

E00040

* P.O. No. : CM3314634 JSW Job No. : FN9-4305
Heat No. : 000330-1-1 JSW PC. No. : 1

FORM N-2 (Back — Pg 2 of 2)

Certificate Holder's Serial Nos. 1051 through -

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report* certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Part conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2725 Expires July 21, 2001

Date Mar. 7, 2001 Name The Japan Steel Works, Ltd. Muroran Plant (NPT Certificate Holder) Signed (authorized representative) J. Taira

CERTIFICATE OF 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 ILLINOIS and employed by H.S.B.I. & I. Co. of HARTFORD, CT. have inspected these items described in this Data Report on March 7, 2001, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date Mar. 7, 2001 Signed (Authorized Nuclear Inspector) Commissions NB10104, N, B, A (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Removed for further manufacturing 05/24/01
S Otanhua

To be sent to the customer with the data package
Jim Lon - ANI.
08/24/03.

BWC
INCOMING INSPECTION
APR 19 2001
Q.C. 16
APPROVED

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code, Section XI

1. Owner Duke Power Company (Name) — Date August 21, 2003
PO Box 1006, Charlotte, NC 28201-1006 (Address) — Sheet 1 of 1

2. Plant Oconee 1 (Name) — Unit 006K01
Seneca, South Carolina (Address) — 205 (Repair/Replacement Organization P.O. No., Job No., etc.)

3. Work Performed by Babcock & Wilcox Canada (Name) — Type Code Symbol Stamp N
581 Coronation Blvd., Cambridge, Ontario N1R 5V3 (Address) — Authorization No. N-2789
Expiration Date Jan. 23/04

4. Identification of System 205

5. (a) Applicable Construction Code ASME Sec III 1989 (Year) Edition, No Addenda, -- Code Case

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998 (Year) - 2000 Addenda

(c) Applicable Section XI Code Cases --

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Heat Exchanger	B&W Canada	006K01	205	N/A	2003	see below	Yes

7. Description of Work One prim. inlet nozzle, two prim. outlet nozzles weld cladded and final machined PWHT not performed. Two steam outlet nozzles, final machined.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐

Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N

Certificate of Authorization No. N-2789 Expiration Date Jan. 23/04

Signed H. Tuson, Manager Nuclear Quality Date August 21, 2003

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 ONTARIO and employed by TECHNICAL STANDARDS & SAFETY AUTHORITY of ONTARIO have inspected the components described in this Owner's Report during the period JULY 17, 03 to AUG. 21, 03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

A.F. Ofsak Commissions NB ABIN NS, ONT. 62

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

Date AUG. 21, 03

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by: Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3 (name and address of N Certificate Holder)

2. Manufactured for: Duke Power Company, P.O. Box 1006, Charlotte, North Carolina, 28201-1006 (name and address of Purchaser)

3. Location of installation: Oconee 1, Seneca, South Carolina (name and address)

4. Type: Vert. (horiz. or vert.) | Heat Ex. (tank, jacketed, heat ex.) | 005K02 (Cert. Holder's serial no.) | — (CRN) | 005KE001 Rev. 3 & E002 Rev. 01 (drawing no.) | 205 (Nat'l Bd. No.) | 2003 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | None (addenda date) | 1 (class) | List #1 Att. (Code Case no.)

Items 6 – 10 inclusive to be completed for single wall vessels, jackets of jacked vessels, or shells of heat exchangers.

6. Shell: SA-508 Cl. 3a (mat'l spec. no.) | 90 ksi (tensile strength) | List #2 Att. (nom. Thickness (in.)) | List #2 Att. (min. design thickness (in.)) | List #2 Att. (dia. ID (ft. & in.)) | List #2 Att. (length (overall) (ft. & in.))

7. Seams: List #3 Att. (long.) | List #3 Att. (HT[1]) | List #3 Att. (RT) | List #3 Att. (eff. %) | List #3 Att. (girth) | List #3 Att. (HT[1]) | List #3 Att. (RT) | 4 (no. of courses)

8. Heads: — ((a) mat'l spec. no.) | — (tensile strength) | — ((b) mat'l spec. no.) | — (tensile strength)

	Location (top bottom, ends	Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Radius	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	—	—	—	—	—	—	—	—	—	—
(b)	—	—	—	—	—	—	—	—	—	—

If removable bolts used: — (mat'l spec. no., size, quantity) Other fastening — (describe or attach sketch)

9. Jacket Closure: — (Describe as ogee & weld, bar, etc. If bar, give dimensions, describe, or sketch)

10. Design pressure[2]: 1150 (psi) At max. temp. 600 (°F) Min. pressure test temp 70 (°F) Pneu., hydro., or combined test 1500 (psi)

Items 11 and 12 to be completed for tube sections.

11. Tubesheets: SA-508 Cl. 3a (stationary, mat'l. spec. no.) | 137 7/8 (dia. in. (subject to pressure)) | 22-3/16 (thickness (in.)) | welded (attachment(welded, bolted)) | — (floating, mat'l. spec.) | — (dia.(in.)) | — (thickness (in.)) | — (attachment)

12. Tubes: SB-163 UNS N06690 (mat'l. spec. no.) | 5/8 (OD(in)) | 0.038 Thickness (inches or gauge) | 15631 (no.) | straight (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

13. Shell: — (mat'l. spec. no.) | — (tensile strength) | — (nom. Thickness (in.)) | — (min. design thickness (in.)) | — (dia. (ft & in.)) | — (length (overall)(ft. & in.))

14. Seams: — (long(welded, dbl., single)) | — (HT[1] (yes or no)) | — (RT) | — (eff. %) | Single (girth) | Yes (HT[1]) | Full (RT) | 1 (no. of courses)

15. Heads: — ((a) mat'l spec.) | — (tensile strength) | SA-508 Cl. 3a ((b) mat'l. spec. no.) | 90 ksi (tensile strength) | — ((c)mat'l. spec. no.) | — (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends	—	—	—	—	—	—	—	—
(b) Channel – top	6 3/8"	—	—	1:1	—	59-17/32"	—	concave
Channel – bottom	6 3/8"	—	—	1:1	—	59-17/32"	—	concave
(c) Floating	—	—	—	—	—	—	—	—

If removable, bolts used: — (mat'l. spec. no., size, quantity) Other fastening — (describe or attach sheet)

Design pressure[2]: 2500 (psi) at 650 (°F) Min. pressure-test temp. 70 (°F) Pneu., hydro., or comb. Test pressure 3125 (psi)

[1] If post weld heat treated. [2] List other internal or external pressure with coincident temperature when applicable.

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 X 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded on the top of this form.

FORM N-1(back Pg. 2 of 6)

Certificate Holder's Serial No. 005K02

17. Nozzles, inspection and safety valve openings.

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or size	Type	How attached	Mat'l.	Thickness	Reinforcement Material	Location
See List #4								

18. Supports: Skirt See List #5 (yes or no) Lugs See List #5 (quantity) Legs — (quantity) Other — (describe) Attached See List #5 (where and how)

19. Remarks:

CERTIFICATION OF DESIGN

Design specification certified by See List #6 P.E. State See List #6 Reg. No. See List #6

Design report* certified by J. T. Boyd P.E. State Province Ont. Reg. No. 04801502

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III Division 1.

N Certificate of Authorization No. N-2789 Expires January 23, 2004

Date August 18, 2003 Name Babcock & Wilcox Canada (N Certificate Holder) Signed for S. Joshi (authorized representative)

CERTIFICATE OF SHOP 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 Ontario and employed by T.S.S.A. Technical Standards and Safety Authority of Ontario have inspected the component described in this Data Report on July 10/03, and state that to the Best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date July. 10/03 Signed (Authorized Inspector) Commissions NB#8112-N-B. (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. Expires

Date Name (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 and employed by of have compared the statements in this Data Report with the described component and state that parts referred to as data items , not included in the certificate of shop inspection, have been inspected by me on and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date Signed (Authorized Inspector) Commissions (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

REVIEWER
AUG 26 2003

Attachment to FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3 (name and address of N Certificate Holder)

2. Manufactured for Duke Power Company, P.O. Box 1006, North Carolina, 28201-1006 (name and address of Purchaser)

3. Location of installation Oconee 1, Seneca, South Carolina (name and address)

4. Type:	Vertical	Heat Exchanger	006K02	—	006KE001 Rev. 3 & 006KE002 Rev. 1	206	2003
	(horiz. or vert.)	(tank, pressure, heat ex.)	(Cert. Holder's serial no.)	(CRN)	(drawing no.)	(Nat'l Bd. No.)	(year built)

List #1

N-20-4
N-474-2
2142-1
2143-1

List #2

	Nominal Thickness	Min. Design Thickness	Inner Diameter	Length (per section thickness)	Length Overall
Shell can below upper T/S (thick shell, adjacent to T/S, taper to thin shell)	5¼" 3¼"	5" 3"	137¼" 137¼"	52¾" 79 1/16"	131 13/16"
Thin Shell to Thick to Thin	3¼" 5¼" 3¼"	3" 5" 3"	137¼" 137¼" 137¼"	19¼" 112¾" 27½"	159⅛"
Thin Shell	3¼"	3"	137¼"	—	173¾"
Shell Can Above Lower T/S (thin shell taper to thick shell, adjacent to T/S)	3¼" 5¼"	3" 5"	137¼" 137¼"	106 7/16" 52½"	159 3/16"

Attachment to FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3 (name and address of N Certificate Holder)

2. Manufactured for Duke Power Company, P.O. Box 1006, North Carolina, 28201-1006 (name and address of Purchaser)

3. Location of installation Oconee 1, Seneca, South Carolina (name and address)

4. Type:	Vertical (horz. or vert.)	Heat Exchanger (tank, jacketed, heat ex.)	006K02 (Cert. Holder's serial no.)	— (CRN)	006KE001 Rev. 3 & 006KE002 Rev. 1 (drawing no.)	206 (Nat'l Bd. No.)	2003 (year built)

List #3

Seam	Longitudinal Joint Type	HT	RT	eff (%)	Girth Joint Type	HT	RT
Tubesheet (Forging)	N/A	N/A	N/A	N/A	Double	Yes	Full
Shell Can #1	None	Yes	Full	100	Double	Yes	Full
Shell Can #2	None	Yes	Full	100	Double	Yes	Full
Shell Can #3	None	Yes	Full	100	Double	Yes	Full
Shell Can #4	None	Yes	Full	100	Double	Yes	Full
Tubesheet (Forging)	N/A	N/A	N/A	N/A			

Attachment to FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by: Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3 (name and address of N Certificate Holder)

2. Manufactured for: Duke Power Company, P.O. Box 1006, North Carolina, 28201-1006 (name and address of Purchaser)

3. Location of installation: Oconee 1, Seneca, South Carolina (name and address)

4. Type: Vertical (horiz. or vert.) | Heat Exchanger (flank, jacketed, heat ex.) | 006K02 (Cert. Holder's serial no.) | — (CRN) | 006KE001 Rev. 3 & 006KE002 Rev. 1 (drawing no.) | 206 (Nat'l Bd. No.) | 2003 (year built)

List #4

Purpose (inlet, outlet, drain, etc.)	Qty.	(ID) Dia. or Size	Type	How Attached	Material	(min.) Thickness	Reinforcement Material	Location
Primary Nozzles inlet	1	36"	I	Integral	SA-508 CL 3a	3"	N/A	Upper Chan. Head
Primary Nozzles t Outlet	2	28"	F	Welded	SA-508 CL 3a	3½"	N/A	Lower Chan. Head
Primary Manway	2	16"	I	Integral	SA-508 CL. 3a	8"	SA-508 CL. 3a	Chan. Heads
Primary Manway Cover	2	26½"	—	Bolted	SA-533 Typ. B CL. 1	5½"	N/A	Chan. Heads
Primary Handhole	1	6"	I	Integral	SA-508 CL 3a	3½"	N/A	Upper Chan. Head
Primary Handhole Cover	1	12¾"	—	Bolted	SA-533 Typ. B CL. 1	2½"	N/A	Upper Chan. Head
Secondary Handholes	5	6"	I	Integral	SA-508 CL. 3a	*	N/A	Shell
Handhole Covers	5	12¾"	—	Bolted	SA-533 Typ. B CL. 1	2½"	N/A	Shell
Inspection Ports	30	3"	I	Integral	SA-508 CL 3a	*	N/A	Shell
Inspection Port Covers	30	8½"	—	Bolted	SA-533 Typ. B CL. 1	1.48"	N/A	Shell
Feedwater Nozzles fed by external header	32	4"	—	Welded/ Bolted	SA-182 Gr. F22	0.602"	N/A	Shell
Auxiliary Feedwater Nozzles fed by external header	6	4"	—	Welded/ Bolted	SA-182 Gr. F22	0.602"	N/A	Shell
Secondary Manway	2	16"	I	Integral	SA-508 CL. 3a	*	N/A	Shell
Secondary Manway Cover	2	25½"	—	Bolted	SA-533 Typ. B CL. 1	3"	N/A	Shell
Steam Nozzle	2	22.265"	F	Welded	SA-508 CL. 3a	3½"	SA-508 CL. 3a	Shell
Instrument Nozzles	7	1½"	F	Welded	SFA 5.5 E7018 A1	0.41"	N/A	Shell
Instrument Nozzles	12	1"	F	Welded	SFA 5.5 E7018 A1	0.45"	N/A	Shell
MFW Inspection Plugs	6	¾"	F	Welded	SA-105	0.30"	SA-105	Shell
Downcomer Temp Sensor	3	½" NPT fitting	P	Welded	SA-479 Type 316L	0.565"	N/A	Shell

* n/a – no protruding shell penetration
F = full penetration weld
I = integrally forged
P=partial penetration weld

Attachment to FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3 (name and address of N Certificate Holder)

2. Manufactured for Duke Power Company, P.O. Box 1006, North Carolina, 28201-1006 (name and address of Purchaser)

3. Location of installation Ocones 1, Seneca, South Carolina (name and address)

4. Type: Vertical (horiz. or vert.) | Heat Exchanger (tank, jacketed, heat ex.) | 006K02 (Cert. Holder's serial no.) | — (CRN) | 006KE001 Rev. 3 & 006KE002 Rev. 1 (drawing no.) | 206 (Nat'l Bd. No.) | 2003 (year built)

List #5

Description	Skirt (yes or no)	Lugs (qty.)	Legs (qty.)	Attached (where & how)
Lower Shroud Lugs	No	12	—	shell/welded
Upper Shroud Lug	Yes	—	—	shell/integral
Orifice Ring Lug	Yes	—	—	shell/integral
Lower Primary Head Base Support	Yes	—	—	channel head/integral

List #6

Name	State	Reg. No.
M. C. Keck	N.C.	18367
J. C. Herrin	N.C.	14504

JQA-01-045 17-1

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

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by The Japan Steel Works, Ltd.,Muroran Plant/4-Chatsu-machi,Muroran,Hokkaido,051-8505 Japan
(name and address of NPT Certificate Holder)

2. Manufactured for Babcock & Wilcox,581 Coronation Blvd.,Cambridge, Ontario, N1R 5V3, Canada
(name and address of purchaser)

3. Location of installation Oconee Nuclear Power Plant Unit 1,2 & 3 Oconee, South Carolina
(name and address)

4. Type N148344H, Rev. 1 (drawing no.) SA-508, Cl. 3a (mat'l spec. no.) Min. 90ksi (tensile strength) - (CRN) 2001 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) No addenda (addenda date) 1 (class) - (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) - (no.) Revision - Date -

7. Remarks:* Hydrostatic test is not performed in The Japan Steel Works, Ltd.
Cladding thickness is min. 0.20" from base metal
Cladding materials are SFA-5.4, AWS Cl. E309L-16 + E308L-16 and SFA-5.9 ER309L + ER308L.

8. Nom. thickness (in.) 6-3/8" Min. design thickness (in.) 6-3/8" Dia. ID (ft & in.) ~~319.75"~~ Length overall (ft & in.) ~~62.59"~~

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report: 8'-11.75" 5'-2.59"

Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 1050	421
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A (when applicable) at temp. °F

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(7/98) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

E00040

* P.O. No. : CM3313634 JSW Job No. : FN9-4304
Heat No. : 00D245-1-1 JSW PC. No. : 1

JQA-01-045 17-2

FORM N-2 (Back — Pg 2 of 2)

Certificate Holder's Serial Nos. 1050 through -

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report* certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Part conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2725 Expires July 21, 2001

Date Feb. 22, 2001 Name The Japan Steel Works, Ltd. Muroran Plant (NPT Certificate Holder) Signed (Authorized representative) J. TAIRA

CERTIFICATE OF 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 ILLINOIS and employed by H.S.B.I. & I. Co. of HARTFORD, CT. have inspected these items described in this Data Report on February 22, 2001 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date Feb. 22, 2001 Signed (Authorized Nuclear Inspector) Commissions NB10104, N, B, A (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Removed for further manufacturing -01-04-02
Sheng Donkus
To be sent to the customer with the data pkg.
[illegible] 08/13/03 (ANI)

Page 25 of 28
JWA-01-138

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

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by The Japan Steel Works,Ltd.,Muroran Plant/4-Chatsu-machi,Muroran,Hokkaido,051-8505 Japan
(name and address of NPT Certificate Holder)

2. Manufactured for Babcock & Wilcox,581 Coronation Blvd.,Cambridge,Ontario,N1R 5V3,Canada
(name and address of purchaser)

3. Location of installation Oconee Nuclear Power Plant Unit 1,2 & 3 Oconee,South Carolina
(name and address)

4. Type N148361W, Rev. 2 (drawing no.) | SA-508, Cl. 3a (mat'l spec. no.) | Min. 90ksi (tensile strength) | - (CRN) | 2001 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No addenda (addenda date) | 1 (class) | - (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) - (no.) Revision - Date -

7. Remarks:* Hydrostatic test is not performed in The Japan Steel Works, Ltd.
Cladding thickness is min. 0.20" from base metal
Cladding materials are SFA-5.4, AWS Cl. E309L-16 + E308L-16 and SFA-5.9 ER309L + ER308L.

8. Nom. thickness (in.) 6-3/8" Min. design thickness (in.) 6-1/4" Dia. ID (ft & in.) 9'-11.75" Length overall (ft & in.) 7'-0.87"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 1052	429	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

BWC
INCOMING INSPECTION
JUN 25 2001
Q.C. 16
APPROVED

10. Design pressure N/A psi., Temp. N/A °F. Hydro. test pressure N/A (when applicable) at temp. °F

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(7/98) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

E00040

* P.O. No. : CM3313634 JSW Job No. : FN9-4305
Heat No. : OOD331-1-1 JSW PC. No. 2

FORM N-2 (Back — Pg 2 of 2)

Certificate Holder's Serial Nos. 1052 through -

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report* certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Part conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2725 Expires July 21, 2001

Date Apr. 19, 2001 Name The Japan Steel Works, Ltd. Muroran Plant (NPT Certificate Holder) Signed (authorized representative) J. Taira

CERTIFICATE OF 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 ILLINOIS and employed by H.S.B.I. & I.Co. of HARTFORD.CT. have inspected these items described in this Data Report on April 19, 2001, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date April 19, 2001 Signed (Authorized Nuclear Inspector) Commissions NB10104, N, B, A (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Removed for further manufacturing 07/11/01
Sherry Perkins

To be sent to the customer with the data package
01/07/11 (ANI)

BWC
INCOMING INSPECTION
JUN 25 2001
Q.C. 16
APPROVED

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code, Section XI

1. Owner: Duke Power Company (Name) — Date: August 18, 2003
PO Box 1006, Charlotte, NC 28201-1006 (Address) — Sheet 1 of 1

2. Plant: Oconee 1 (Name) — Unit: 006K02
Seneca, South Carolina (Address) — 206 (Repair/Replacement Organization P.O. No., Job No., etc.)

3. Work Performed by: Babcock & Wilcox Canada (Name) — Type Code Symbol Stamp: N
581 Coronation Blvd., Cambridge, Ontario N1R 5V3 (Address) — Authorization No.: N-2789
Expiration Date: Jan. 23/04

4. Identification of System: 206

5. (a) Applicable Construction Code: ASME Sec III 1989 (Year), Edition: No, Addenda: --, Code Case

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: 1998 - 2000 Addenda (Year)

(c) Applicable Section XI Code Cases: --

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Heat Exchanger	B&W Canada	006K02	206	N/A	2003	see below	Yes

7. Description of Work: One prim. inlet nozzle, two prim. outlet nozzles weld cladded and final machined PWHT not performed. Two steam outlet nozzles, final machined.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐

Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

(7/99) This form (E00030) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

E00030

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N

Certificate of Authorization No. N-2789 Expiration Date Jan. 23/04

Signed for S. Joshi Date August 18 2003

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 ONTARIO and employed by TECHNICAL STANDARDS & SAFETY AUTHORITY of ONTARIO have inspected the components described in this Owner's Report during the period JULY 17, 03 to AUG. 18, 03, 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 NB. ABIN NS, ONT. 62

National Board, State, Province, and Endorsements

Date AUG. 18, 03

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

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

1.a Date 09/20/04

Sheet 1 of 2

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

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

3a. Work Order # 98513935
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 # ON-13086 AM4 WP 13065A

4. Identification of System Reactor Coolant Class 1

5. (a) Applicable Construction Code ASME III NB 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Piping	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B							☐ 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 is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Re-Install reactor coolant piping for SG 1A.

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. Remark: Existing reactor coolant piping had to be removed to allow removal of old SG and installation of the new 1A steam generator. Applied Code Case N-416-1

(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 SGRH SENIOR ENGINEER Expiration Date N/A

Signed [signature] Date 9/29/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of CA and employed by HSB-CT have inspected the components described in this Owner's Report during the period 10-2-03 to 9-2-04, 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.

E.O. [signature] Commissions CA-1969 NAI

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

Date 9-29-04

FORM NIS-2 OWNER'S REPO OR REPAIRS OR REPLACEMENTS
As Required By The Prov s Of The ASME Code Section XI

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

1.a Date 09/20/04

Sheet 1 of 3
(Taylor Forge Elbow 1A)

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

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

3a. Work Order # 98513935
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 # ON-13086 AM4 WP 13065A

4. Identification of System Reactor Coolant System Class 1

5. (a) Applicable Construction Code ASME III 1989 Edition N/A Addenda, No Addenda /Code Cases N-474-2
(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	Taylor Forge Elbow 1A	Taylor Forge Engineered Systems, Inc.	806050-1A	-------	N/A	2003	☐ Repaired ☐ Replaced ☑ Replacement	☐ No ☑ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Replaced Unit 1 "A" RCS Hot Leg 145 Degree Elbow

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: Applied Code Case N-416-1.

(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] SGRH SENIOR ENGINEER Date 9/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT ~~9-2-04 thru 9-28-04~~ have inspected the components described in this Owner's Report during the period 8-2-03 to 9-2-04; 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 NC853, N, I

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

Date 9-28-04

SGT ID# P060-0487 Page 256 of 519 DIL:ERH/09-25-03/01

FORM NPP-1 CERTIFICATE HOLDERS' DATA REPORT FOR FABRICATED NUCLEAR PIPING SUBASSEMBLIES*

As required by the Provisions of the ASME Code, Section III, Division 1

1. Fabricated and certified by TAYLOR FORGE ENGINEERED SYSTEMS, INC., 208 N. IRON STREET, PAOLA, KANSAS 66071
(name and address of NPT Certificate Holder)

2. Fabricated for SGT OCONEE P.O. 817 SENECA, S.C. 29679
(name and address)

3. Location of Installation DUKE POWER COMPANY SGT OCONEE NUCLEAR STATION 155 E PICKENS HIGHWAY SENECA, S.C. 29672
(name and address of Purchaser)

4. Type: 806050 – 1A (Cert. Holder's serial no.) — (CRN) 806050-1 D1 R/4 (drawing no.) — (Nat'l. Bd.no.) 2003 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) — (addenda date) 1 (class) N-474-2 (Code Case no.)

6. Shop hydrostatic test 3125 Psi at 70 °F (if performed)

7. Description of piping RCS HOT LEG 145 DEGREE ELBOW

8. Certificate Holders' Data Reports properly identified and assigned by commissioned inspectors have been furnished for the following items of this report:

Remarks: OCONEE STEAM GENERATOR REPLACEMENT PROJECT

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that the fabrication of the described piping subassembly conforms to the rules for construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-1937 expires November 25, 2004.

Date 8/29/03 Name Taylor Forge Engineered Systems, Inc. (NPT Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF SHOP 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 Kansas and employed by HSB CT of Hartford, CT, have inspected the piping subassembly described in this Data Report on 8/29/2003, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated this piping subassembly in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the piping subassembly described in this Data 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.

Date 8/29/2003 Signed [signature] (Authorized Nuclear Inspector) Commissions NB12497AN KS557 (Nat'l. Bd. (incl. endorsement state or prov. and no.))

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

Page 3 of 3
(Taylor Forge Elbow 1A)

FORM NIS-2 OWNER'S REPO[illegible]R REPAIRS OR REPLACEMENTS
As Required By The Provi[illegible]ns Of The ASME Code Section XI

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

1.a Date 09/20/04

Sheet 1 of 2

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

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

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

3a. Work Order # 98514007
Repair Organization Job #

3b. NSM or MM # ON-13086 AM4 WP 13065B

4. Identification of System Reactor Coolant Class 1

5. (a) Applicable Construction Code ASME III NB 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Piping	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B							☐ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Re-Install reactor coolant piping for SG 1B.

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. Remark: Existing reactor coolant piping had to be removed to allow removal of old SG and installation of the new 1B steam generator. This NIS-2 covers the welding for re-installing this piping performed. Applied Code Case N-416-1.

(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 SGRH SENIOR ENGINEER Expiration Date N/A

Signed [signature] Date 9/30/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 6-20-03 to 6-16-04; 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 NC853, N, I

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

Date 9-30-04

FORM NIS-2 OWNER'S REP' OR REPAIRS OR REPLACEMENTS
As Required By The Pro ns Of The ASME Code Section XI

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

1.a Date 09/20/04

Sheet 1 of 3
(Taylor Forge Elbow 1B)

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

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

3a. Work Order # 98514007
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 # ON-13086 AM4 WP 13065B

4. Identification of System Reactor Coolant System Class 1

5. (a) Applicable Construction Code ASME III 1989 Edition N/A Addenda, No Addenda /Code Cases N-472-2
(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	Taylor Forge Elbow 1B	Taylor Forge Engineered Systems, Inc.	806050-1B	-------	N/A	2003	☐ Repaired ☐ Replaced ☑ Replacement	☐ No ☑ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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. (Taylor Forge Elbow 1B)

7. Description of Work Replaced Unit 1 "B" RCS Hot Leg 145 Degree Elbow

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: Applied Code Case N-416-1.

(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 [illegible] SGRH SENIOR ENGINEER Date 9/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT ~~6-16-04~~ 9-29-04 have inspected the components described in this Owner's Report during the period 6-20-03 to 6-16-04, 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.

[illegible] Commissions NB853, N, I

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

Date 9-29-04

Page 516 of 519 DIL: EKH/09-25-03/01 SGT ID #P060-0488

FORM NPP-1 CERTIFICATE HOLDERS' DATA REPORT FOR FABRICATED NUCLEAR PIPING SUBASSEMBLIES*

Required by the Provisions of the ASME Code, Section III, Division 1

1. Fabricated and certified by TAYLOR FORGE ENGINEERED SYSTEMS, INC., 208 N. IRON STREET, PAOLA, KANSAS 66071 (name and address of NPT Certificate Holder)

2. Fabricated for SGT OCONEE P.O. 817 SENECA, S.C. 29679 (name and address)

3. Location of Installation DUKE POWER COMPANY SGT OCONEE NUCLEAR STATION 155 E PICKENS HIGHWAY SENECA, S.C. 29672 (name and address of Purchaser)

4. Type: 806050 – 1B (Cert. Holder's serial no.) — (CRN) 806050-1 D1 R/4 (drawing no.) — (Nat'l. Bd. no.) 2003 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) — (addenda date) 1 (class) N-474-2 (Code Case no.)

6. Shop hydrostatic test 3200 Psi at 70 °F (if performed)

7. Description of piping RCS HOT LEG 145 DEGREE ELBOW

8. Certificate Holders' Data Reports properly identified and assigned by commissioned inspectors have been furnished for the following items of this report:

Remarks: OCONEE STEAM GENERATOR REPLACEMENT PROJECT

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that the fabrication of the described piping subassembly conforms to the rules for construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-1937 expires November 25, 2004.

Date 9/5/03 Name Taylor Forge Engineered Systems, Inc. (NPT Certificate Holder) Signed Bruce E. Wood (authorized representative).

CERTIFICATE OF SHOP 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 Kansas and employed by HSB CT of Hartford, CT, have inspected the piping subassembly described in this Data Report on 9/5/2003, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated this piping subassembly in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the piping subassembly described in this Data 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.

Date 9/5/2003 Signed M. Bulcy Jr (Authorized Nuclear Inspector) Commissions NB12497AN KS557 (Nat'l. Bd. (incl. endorsement state or prov. and no.))

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

Page 3 of 3
(Taylor Forge Elbow 1B)

FORM NIS-2 OWNER'S REP[illegible] OR REPAIRS OR REPLACEMENTS
As Required By The Provi[illegible]s Of The ASME Code Section XI

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

1.a Date 09/20/04

Sheet 1 of 2

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

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

3a. Work Order # 98513924
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 # ON-13086 AM3 WP 13075A

4. Identification of System Emergency Feedwater Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Piping	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B							☐ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Install emergency feedwater piping for SG 1A.

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. Remark: Existing emergency feedwater piping had to be removed to allow installation of the 1A steam generator. This NIS-2 covers the welding for re-installing this piping. Applied Code Case N-416-1.

(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] SGEH SENIOR ENGINEER Date 9/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 9-26-03 to 9-2-04; 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 NC PS3, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REP OR REPAIRS OR REPLACEMENTS
As Required By The Prov ns Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

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

3a. Work Order # 98513924
Repair Organization Job #

3b. NSM or MM # ON-13086 AM3 WP13075A

4. Identification of System Emergency Feedwater Class 3

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-03-480A-H6178	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-03-480A-H6011	Duke Power Company	N/A	N/A	N/A	1973	☑ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove/replace supports for removal of Interferences for SG 1A removal.

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. Remark: Hangers were removed for the removal of the 1A SG and replaced after installation of the new replacement steam generator.

(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] SGRH SENIOR ENGINEER Date 9/27/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of CA and employed by HSB-CT have inspected the components described in this Owner's Report during the period 9-26-03 to 9-2-04; 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 CA-1969 N A I

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

Date 9-29-04

FORM NIS-2 OWNER'S REPO OR REPAIRS OR REPLACEMENTS
As Required By The Provi. .s Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98513925
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 # ON-13086 AM3 WP 13075B

4. Identification of System Emergency Feedwater Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Piping	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B							☐ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Install emergency feedwater piping for SG 1B.

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. Remark: Existing emergency feedwater piping had to be removed to allow installation of the 1B steam generator. This NIS-2 covers the welding for re-installing this piping. Applied Code Case N-416-1.

(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] SGRH SENIOR ENGINEER Date 9/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 9-26-03 to 3-3-04; 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 NC 853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REPOR' R REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98513925
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 # ON-13086 AM3 WP13075B

4. Identification of System Emergency Feedwater Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-03-480A-H6069	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-03-480A-H6022	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
C	Hanger/Support 1-03-480A-H6071	Duke Power Company	N/A	N/A	N/A	1973	☑ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove/replace supports for removal of Interferences for SG 1B removal.

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. Remark: Hangers were removed for the removal of the 1B SG and replaced after installation of the new replacement steam generator.

(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] SGRH SENIOR ENGINEER Date 9/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of CA and employed by HSB-CT have inspected the components described in this Owner's Report during the period 9-26-03 to 3-3-04; 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 CA-1969, N, A, I

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

Date 9-28-04

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

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

3a. Work Order # 98513925
Repair Organization Job #

3b. NSM or MM # ON-13086 AM3 WP13075B

4. Identification of System Emergency Feedwater Class 3

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-03-480A-NPS-H44	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-03-480A-H6179	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
C	Hanger/Support 1-03-480A-H6021	Duke Power Company	N/A	N/A	N/A	1973	☑ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove/replace supports for removal of interferences for SG 1B removal.

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: Hangers were removed for the removal of the 1B SG and replaced after installation of the new replacement steam generator.

(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 SGRH SENIOR ENGINEER Expiration Date N/A

Signed [signature] Date 9/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of CA and employed by HSB-CT have inspected the components described in this Owner's Report during the period 9-26-03 to 3-3-04; 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 CA-1969, N, A, I

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

Date 9-28-04

FORM NIS-2 OWNER'S REPOR'. R REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98513884
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 # ON-13086 AM1 WP 13080A

4. Identification of System Main Steam Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Piping	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B							☐ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Install main steam piping for SG,1A.

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☑ ~~Nominal~~ Operating Pressure ☐ Other ☐ Exempt
NOP

Pressure _____ psig Test Temp _____ °F

Pressure _____ psig Test Temp _____ °F

Pressure _____ psig Test Temp _____ °F

9. Remark: Existing main steam piping had to be removed to allow installation of the 1A steam generator. This NIS-2 covers the welding for re-installing this piping. Applied Code Case N-416-1.

(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] SGRH SENIOR ENGINEER Date 09/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 9-24-03 to 8-26-04; 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 NB853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REP . OR REPAIRS OR REPLACEMENTS
As Required By The Prov. ons Of The ASME Code Section XI

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

1.a Date 9/21/04

Sheet 1 of 2

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

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

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

3a. Work Order # 98513884
Repair Organization Job #

3b. NSM or MM # ON-13086 AM1 WP13080A

4. Identification of System Main Steam Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-01A-0-481A-H1A	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-01A-0-481A-H5A	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
C	Hanger/Support 1-01A-0-481A-H3A	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
D	Hanger/Support 1-01A-0-480A-H9A	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
E	Hanger/Support 1-01A-0-480A-H10A	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove/replace supports for removal of interferences for SG 1A removal.

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: Hangers were removed/pinned for the removal of the 1A SG and replaced/unpinned after installation of the new replacement steam generator.

(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] SGRA SENIOR ENGINEER Date 9/29/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of CA and employed by HSB-CT have inspected the components described in this Owner's Report during the period 9-24-03 to 8-26-04, 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.

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[signature] Commissions CA-1969 N.A.I

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

Date 9-29-04

FORM NIS-2 OWNER'S REP[illegible]R REPAIRS OR REPLACEMENTS
As Required By The Prov[illegible]ns Of The ASME Code Section XI

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

1.a Date 9/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98513884
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 # ON-13086 AM1 WP13080A

4. Identification of System Main Steam Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-01A-0-481A-H11A	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-01A-0-481A-H12A	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
C	Hanger/Support 1-01A-0-481A-H7A	Duke Power Company	N/A	N/A	N/A	1973	☑ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove/replace supports for removal of interferences for SG 1A removal.

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. Remark: Hangers were removed/pinned for the removal of the 1A SG and replaced/unpinned after installation of the new replacement steam generator.

(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] SGRH SENIOR ENGINEER Date 9/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 9-24-03 to 8-26-04; 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.

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[signature] Commissions NC 853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REPO[illegible] OR REPAIRS OR REPLACEMENTS
As Required By The Provis[illegible] Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98513915
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 # ON-13086 AM1 WP 13080B

4. Identification of System Main Steam Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Piping	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B							☐ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Install main steam piping for SG 1B.

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. Remark: Existing feedwater piping had to be removed to allow installation of the 1B steam generator. This NIS-2 covers the welding for re-installing this piping. Applied Code Case N-416-1.

(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] SGRH SENIOR ENGINEER Date 09/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 9-24-03 to 9-13-04; 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.

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[signature] Commissions NC 853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REP[illegible]OR REPAIRS OR REPLACEMENTS
As Required By The Prov[illegible]ns Of The ASME Code Section XI

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

1.a Date 9/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98513915
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 # ON-13086 AM1 WP13080B

4. Identification of System Main Steam Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-01A-0-480A-H8B	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-01A-0-480A-H9B	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
C	Hanger/Support 1-01A-0-481A-H3B	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
D	Hanger/Support 1-01A-0-481A-H1B	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
E	Hanger/Support 1-01A-0-481A-H5B	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove/replace supports for removal of interferences for SG 1B removal.

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: Hangers were removed/pinned for the removal of the 1B SG and replaced/unpinned after installation of the new replacement steam generator.

(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] SGRH SENIOR ENGINEER Date 9/23/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 9-24-03 to 9-13-04; 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 NC 853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REF OR REPAIRS OR REPLACEMENTS
As Required By The Prov...ons Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98513915
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 # ON-13086 AM1 WP13080B

4. Identification of System Main Steam Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-01A-0-481B-H10B	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-01A-0-481B-H11B	Duke Power Company	N/A	N/A	N/A	1973	☑ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove/replace supports for removal of interferences for SG 1B removal.

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. Remark: Hangers were removed/pinned for the removal of the 1B SG and replaced/unpinned after installation of the new replacement steam generator.

(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] SGEH SENIOR ENGINEER Date 9/23/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 9-24-03 to 9-13-04; 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 NB853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REP')R REPAIRS OR REPLACEMENTS
As Required By The Prov. .ns Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98513919
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 # ON-13086 AM2 WP 13085A

4. Identification of System Feedwater Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Piping	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B							☐ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Install feedwater piping for SG 1A.

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. Remark: Existing feedwater piping had to be removed to allow installation of the 1A steam generator. This NIS-2 covers the welding for re-installing this piping. Applied Code Case N-416-1.

(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 SGRH SENIOR ENGINEER Expiration Date N/A

Signed [signature] Date 9/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 5-10-03 to 9-1-04; 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 NC 853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S RE' 'OR REPAIRS OR REPLACEMENTS
As Required By The Pr .ons Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98513919
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 # ON-13086 AM2 WP13085A

4. Identification of System Feedwater Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-03-0-479A-H1A	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-03-0-479A-H2A	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
C	Hanger/Support 1-03-0-479A-H3A	Duke Power Company	N/A	N/A	N/A	1973	☑ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Secure/restrain supports for removal of interferences for SG 1A removal.

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Norminal Operating Pressure ☐ Other ☑ Exempt

Pressure _____ psig Test Temp _____ °F

Pressure _____ psig Test Temp _____ °F

Pressure _____ psig Test Temp _____ °F

9. Remark: Hangers were pinned for the removal of the 1A SG and unpinned after installation of the new replacement steam generator.

(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 SGRH SENIOR ENGINEER Expiration Date N/A

Signed [signature] Date 09/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 5-10-03 to 9-1-04; 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 NC 853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REP[illegible] 'OR REPAIRS OR REPLACEMENTS
As Required By The Prov. [illegible] .is Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98513922
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 # ON-13086 AM2 WP 13085B

4. Identification of System Feedwater Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Piping	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B							☐ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Install feedwater piping for SG 1B.

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. Remark: Existing feedwater piping had to be removed to allow installation of the 1B steam generator. This NIS-2 covers the welding for re-installing this piping. Applied Code Case N-416-1.

(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] SGRH SENIOR ENGINEER Date 09/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 5-10-03 to 8-31-04, 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 NC 853, NJ

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

Date 9-29-04

FORM NIS-2 OWNER'S REP[illegible] FOR REPAIRS OR REPLACEMENTS
As Required By The Provi[illegible]s Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98513922
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 # ON-13086 AM2 WP13085B

4. Identification of System Feedwater Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-03-0-479A-H2B	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-03-0-479A-H4B	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
C	Hanger/Support 1-03-0-479A-H8B	Duke Power Company	N/A	N/A	N/A	1973	☑ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Secure/restrain supports for removal of interferences for SG 1B removal.

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. Remark: Hangers were pinned for the removal of the 1B SG and unpinned after installation of the new replacement steam generator.

(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 SGEH SENIOR ENGINEER Expiration Date N/A

Signed [signature] Date 09/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 5-10-03 to 8-31-04; 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 NB853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REP' ( ) JR REPAIRS OR REPLACEMENTS
As Required By The Prov. .ons Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98514043
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 # ON-13086 AM5 WP 13522A

4. Identification of System Secondary Side Drains Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Piping	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B							☐ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Re-Install Secondary Side Drains piping for SG 1A.

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. Remark: Existing Secondary Side Drains piping had to be removed to allow removal of old SG and installation of the new 1A steam generator. This NIS-2 covers the welding for re-installing this piping. Applied Code Case N-416-1

(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] SGRH SENIOR ENGINEER Date 9/29/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of CA and employed by HSB-CT have inspected the components described in this Owner's Report during the period 6-20-04 to 9-1-04; 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 CA-1969 N, A, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REP' OR REPAIRS OR REPLACEMENTS
As Required By The Prov ns Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98514043
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 # ON-13086 AM5 WP13522A

4. Identification of System SG Secondary Drain Lines Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-04A-0-478A-H2A	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-04A-0-478A-H3A	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
C	Hanger/Support 1-04A-0-478A-H5A	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
D	Hanger/Support 1-04A-0-478A-H12A	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
E	Hanger/Support 1-04A-0-478A-H15A	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove and replace SG 1A secondary drain lines in support of SG Replacement.

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. Remark: SG 1A secondary side drain line hangers were removed for the removal of the 1A SG and replaced after installation of the new replacement steam generator.

(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] SGRH SENIOR ENGINEER Date 09/29/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 6-20-03 to 9-1-04; 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 NC 853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REPO OR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98514046
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 # ON-13086 AM5 WP 13522B

4. Identification of System Secondary Side Drains Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Piping	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B							☐ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Re-Install Secondary Side Drains piping for SG 1B.

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. Remark: Existing Secondary Side Drains had to be removed to allow removal of old SG and installation of the new 1B steam generator. This NIS-2 covers the welding for re-installing this piping. Applied Code Case N-416-1.

(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 SGRH SENIOR ENGINEER Date 09/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 6-20-03 to 9-2-04; 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 853, N, I

National Board, State, Providence and Endorsements

Date 9-29-04

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

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

3a. Work Order # 98514046
Repair Organization Job #

3b. NSM or MM # ON-13086 AM5 WP13522B

4. Identification of System SG Secondary Drain Lines Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-04A-0-478A-H3B	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-04A-0-478A-H5B	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
C	Hanger/Support 1-04A-0-478A-H12B	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
D	Hanger/Support 1-04A-0-478A-H13B	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
E	Hanger/Support 1-04A-0-478A-H15B	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings maybe ι 1.a Date 09/21/04 is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove and replace SG 1B secondary drain lines in support of SG Replacement.

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Norminal Operating Pressure ☐ Other ☑ Exempt

Pressure _____ psig Test Temp _____ °F

Pressure _____ psig Test Temp _____ °F

Pressure _____ psig Test Temp _____ °F

9. Remark: Listed hangers were removed for the removal of the 1B SG and replaced after Installation of the new replacement steam generator.

(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] SGRH SENIOR ENGINEER Date 09/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 6-20-03 to 9-2-04; 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 NC 853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S RE' .'OR REPAIRS OR REPLACEMENTS
As Required By The Pr. ..ons Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98514051
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 # ON-13086 AM6 WP 13524A

4. Identification of System SG Vent System Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Piping	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B							☐ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Re-Install SG vent piping for SG 1A.

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☑ Norminal Operating Pressure ☐ Other ☐ Exempt

Pressure _____ psig Test Temp _____ °F

Pressure _____ psig Test Temp _____ °F

Pressure _____ psig Test Temp _____ °F

9. Remark: Existing SG vent piping had to be removed to allow removal of old SG and installation of the new 1A steam generator. This NIS-2 covers the welding for re-installing this piping. Applied Code Case N-416-1.

(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] SGRH SENIOR ENGINEER Date 9/27/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 9-6-03 to 9-2-04; 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 NC853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REP' ,R REPAIRS OR REPLACEMENTS
As Required By The Prov. ,ns Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98514051
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 # ON-13086 AM6 WP13524A

4. Identification of System SG Vent Piping Installation Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-57-481A-H6589	Duke Power Company	N/A	N/A	ON-13086 AM6-036	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-57-481A-H6591	Duke Power Company	N/A	N/A	ON-13086 AM6-037	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
C	Hanger/Support 1-57-481A-H6625	Duke Power Company	N/A	N/A	ON-13086 AM6-001	2003	☐ Repaired ☐ Replaced ☑ Replacement	☑ No ☐ Yes
D	Hanger/Support 1-57-481A-H6627	Duke Power Company	N/A	N/A	ON-13086 AM6-003	2003	☐ Repaired ☐ Replaced ☑ Replacement	☑ No ☐ Yes
E	Hanger/Support 1-57-481A-H6628	Duke Power Company	N/A	N/A	ON-13086 AM6-004	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
F	Hanger/Support 1-57-481A-H6629	Duke Power Company	N/A	N/A	ON-13086 AM6-005	2003	☐ Repaired ☐ Replaced ☑ Replacement	☑ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove and replace SG 1A vent lines in support of SG Replacement.

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: Hangers were removed for the removal of the 1A SG and replaced after installation of the new replacement steam generator. Note Hangers 1-57-481A-H6625, H6627, H6629 are new hangers added to the system.

(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 SGRH SENIOR ENGINEER Expiration Date N/A

Signed [signature] Date 9/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 9-6-03 to 9-2-04, 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 NC853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REP' JR REPAIRS OR REPLACEMENTS
As Required By The Prov. ns Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 2

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

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

3a. Work Order # 98514051
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 # ON-13086 AM6 WP13524A

4. Identification of System SG Vent Piping Installation Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-57-481A-H6630	Duke Power Company	N/A	N/A	ON-13086 AM6-006	2003	☐ Repaired ☐ Replaced ☑ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-57-481A-H6590	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
C	Hanger/Support 1-57-481A-H6592	Duke Power Company	N/A	N/A	N/A	1973	☑ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove and replace SG 1A vent lines in support of SG Replacement.

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: Hangers were removed for the removal of the 1A SG and replaced after installation of the new replacement steam generator. Note Hanger 1-57-481A-H6630 Is a new hanger.

(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] SGRH SENIOR ENGINEER Date 09/21/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 9-6-03 to 9-2-04; 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 NB853 N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REP OR REPAIRS OR REPLACEMENTS
As Required By The Prov...ons Of The ASME Code Section XI

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

1.a Date 09/21/04

Sheet 1 of 5

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

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

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

3a. Work Order # 98514051
Repair Organization Job #

3b. NSM or MM # ON-13086 AM6 WP 13524A

4. Identification of System SG Vent System Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Valve 1FDW-601	Flowserve	07AXK	1150	N/A	2003	☐ Repaired ☐ Replaced ☑ Replacement	☐ No ☑ Yes
B	Valve 1FDW-604	Flowserve	08AXK	1151	N/A	2003	☐ 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

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Re-Install SG vent piping for SG 1A.

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. Remark: Existing SG vent piping had to be removed to allow removal of old SG and installation of the new 1A steam generator. Modification involved installing new valves. Applied Code Case N-416-1.

(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 SGRH SENIOR ENGINEER Date 9/29/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of CA and employed by HSB-CT have inspected the components described in this Owner's Report during the period 9-6-03 to 9-2-04; 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 CA-1969 N, A I

National Board, State, Providence and Endorsements

Date 9-29-04

WP 13524A Valve Traceability Table

DPC Stock Code	UTC	MCN	Valve Number	Serial No.
538523	1061480	P078-0539	1FDW-601	07AXK
538523	1061651	P078-0538	1FDW-604	08AXK

UTC#1061480 - SN#07AXK UTC#1061651 - SN#08AXK UTC#1061652 - SN#09AXK

Page 4 of 5

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code, Section III, Div. 1

1. Manufactured by FLOWSERVE CORPORATION, 1900 S. Saunders St., Raleigh, NC 27603
(Name and Address of N Certificate Holder)

2. Manufactured for DUKE ENERGY CORP CHARLOTTE NC 28201
(Name and Address of Purchaser or Owner)

3. Location of Installation DUKE ENERGY CORP, OCONEE SENECA SC 29672
(Name and Address)

4. Pump or Valve Valve Nominal Inlet Size 1 1/2" (inch) Outlet Size 1 1/2" (inch)

	(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l Bd. No.	(g) Year Built
(1)	800 GB	07AXK	N/A	03-25070-01 / 0	1	1150	2003
(2)		08AXK				1151	
(3)	800 GB	09AXK	N/A	03-25070-01 / 0	1	1152	2003
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. 1 1/2" GLOBE VALVE
(Brief description of service for which equipment was designed)

25070

6. Design Conditions 1425 (Pressure) psi 680 (Temperature) °F or Valve Pressure Class 800 (1)

7. Cold Working Pressure 1973 psi at 100 °F

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
M1276	SA216 GR WCB	FLOWSERVE	BODY
(b) Forgings			
150593	SA479 T 316	NOVA	BONNET
57543	A564 T630 1075	DUBOSE	DISC
Q1754-G30X	SA564 T630 1075	ASKEW	GASKET RETAINER

(1) For manually operated valves only

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

FORM NPV-1 (Back)

Valve S/N _07AXK_ through _09AXK_

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
(d) Other Parts			

9. Hydrostatic test 2975 psi. Disk Differential test pressure 2170 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components. Section III, Div. 1., Edition 1986

Addenda NO, Code Case No. N/A, Date 9/22/03

Signed Flowserve Corporation. by
(N Certificate Holder)

Our ASME Certificate of Authorization No. N-1562 to use the N (N) symbol expires 11-26-03 (Date)

CERTIFICATION OF DESIGN

Design Information on file at FLOWSERVE CORP

Stress analysis report (Class 1 only) on file at FLOWSERVE CORP

Design specifications certified by (1) F A BENSINGER

PE State PA Reg. No. PE-31002-E

Stress analysis certified by (1) RONALD S FARRELL

PE State NC Reg. No. 028656

(1) Signature not required. List name only.

CERTIFICATE OF SHOP 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 pump, or valve, described in this Data Report on 9 / 23 / 03, and state that, to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with ASME Code, Section III.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this s Data 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.

Date 9 / 23 / 03

Signed M. Tall (Inspector) Commissions NB*11666 NBA- NC 1421 (Nat'l Bd., State, Prov. and No.)

8

FORM NIS-2 OWNER'S REP[illegible] OR REPAIRS OR REPLACEMENTS
As Required By The Prov[illegible]s Of The ASME Code Section XI

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

1.a Date 09/22/04

Sheet 1 of 2

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

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

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

3a. Work Order # 98514054
Repair Organization Job #

3b. NSM or MM # ON-13086 AM6 WP 13524B

4. Identification of System SG Vent System Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Piping	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B							☐ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

RDK 9/29/04
WP 9/29/04

7. Description of Work Re-Install SG Vent piping for SG 1B.

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. Remark: Existing SG Vent piping had to be removed to allow removal of old SG and installation of the new 1B steam generator. This NIS-2 covers the welding for re-installing this piping. Applied Code Case N-416-1.

(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 SGRH SENIOR ENGINEER Expiration Date N/A

Signed [signature] Date 09/23/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 9-11-03 to 9-8-04; 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 NC853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REF OR REPAIRS OR REPLACEMENTS
As Required By The Pro. .ons Of The ASME Code Section XI

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

1.a Date 09/22/04

Sheet 1 of 2

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

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

3a. Work Order # 98514054
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 # ON-13086 AM6 WP13524B

4. Identification of System SG Vent Piping Installation Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-57-481A-H6585	Duke Power Company	N/A	N/A	ON-13086 AM6-034	2003	☐ Repaired ☐ Replaced ☑ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-50-481A-H6587	Duke Power Company	N/A	N/A	ON-13086 AM6-035	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
C	Hanger/Support 1-57-481B-H6634	Duke Power Company	N/A	N/A	ON-13086 AM6-008	2003	☐ Repaired ☐ Replaced ☑ Replacement	☑ No ☐ Yes
D	Hanger/Support 1-57-481B-H6635	Duke Power Company	N/A	N/A	ON-13086 AM6-009	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
E	Hanger/Support 1-57-481B-H6636	Duke Power Company	N/A	N/A	ON-13086 AM6-010	2003	☐ Repaired ☐ Replaced ☑ Replacement	☑ No ☐ Yes
F	Hanger/Support 1-57-481B-H6637	Duke Power Company	N/A	N/A	ON-13086 AM6-011	2003	☐ Repaired ☐ Replaced ☑ Replacement	☑ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove and replace SG 1B vent lines in support of SG Replacement.

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. Remark: Hangers were removed for the removal of the 1B SG and replaced after installation of the new replacement steam generator. Note Hangers 1-57-481A-H6585, 1-57-481B-H6634, H6636 and H6637are new hangers that were added to the system.

(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] SGRH SENIOR ENGINEER Date 09/27/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 9-11-03 to 9-8-04; 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 NC 853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REP OR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

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

1.a Date 09/22/04

Sheet 1 of 2

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

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

3a. Work Order # 98514054
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 # ON-13086 AM6 WP13524B

4. Identification of System SG Vent Piping Installation Class 2

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-57-481A-H6638	Duke Power Company	N/A	N/A	ON-13086 AM6-012	2003	☐ Repaired ☐ Replaced ☑ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-50-481A-H6586	Duke Power Company	N/A	N/A	ON-13086 AM6-007	1973	☑ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove and replace SG 1B vent lines in support of SG Replacement.

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. Remark: SG Vent Line hangers were removed for the removal of the 1B SG and replaced after installation of the new replacement steam generator. Note Hanger 1-57-481A-H6638 is a new hanger.

(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] SGRH SENIOR ENGINEER Date 9/27/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCI have inspected the components described in this Owner's Report during the period 9-11-03 to 9-8-04; 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.

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[signature] Commissions NC 853, N, I

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

Date 9-29-04

PIP Serial No:	Action Category:	LER No:	Other Report:
O-04-05512	3		

Problem Identification

Discovered Time/Date: 10:53 08/25/2004 **Occurred Time/Date:**

Unit(s) Affected:

Unit	Mode	%Power	Unit Status Remarks
1	N/A	100	None

System(s) Affected:
FDW Feedwater

Affected Equipment

(No Equipment Affected)

Location of Problem:
Bldg: Column Line: Elev:

Location Remarks:

Method Used to Discover Problem:

Brief Problem Description:
'IS-2 data needed for two Unit 1 Feedwater valves.

..ail Problem Description:
The duty OSM(Jim Snowden concurs with thhis assessment.

Last Updated By: JGS6156: SNOWDEN, JAMES G Team: DMS1427 Group: OPS Date: 08/31/2004

*******OPERABILITY ASSESSMENT******by Basil W. Carney, Jr.*******

Valves 1FDW-606 and 1FDW-609 are clearly operable.

The NIS-2 form is an ASME Section XI form. This form ask for information about the removed component and the installed component. This information is used to prove that the new component is equivalent to the replacement piece of equipment. Valves 1FDW-606 and 1FDW-609 were added by the steam generator replacement modification.

The NIS-2 form ask for such information as the component Serial Number, National Board Number (if any), Year Built, and is the component ASME stamped. Typically this information is available from the component name plate and the document package supplied with the component. However, with two similar valves missing specific information it is impossible to determine from the document package which valve was installed at what position.

The valves were received as QA condition 1 so the valves are acceptable for their application. The problem is that there is just no way to complete the NIS-2 form without the serial number or national board number for each component. Failure to obtain the supporting information from a valve does not affect the documentation supplied with the valve or the fact that the valve is the proper valve for this application..

Last Updated By: BWC7315: CARNEY JR, BASIL W Team: PAW4981 Group: MCE Date: 08/31/2004

ast Updated By: WLP8374: PATTON, WILLIAM L Team: BKM7360 Group: SGR Date: 08/26/2004

During the process of accumulating data to populate NIS-2 forms for the U1EOC21outage, SGRH Project, sufficient supporting data for valves 1FDW-606 and 1FDW-609 could not be located. During the next opportunity to enter Unit 1 containment, these valves need to be inspected to identify their serial numbers. The serial numbers are needed by ONS NSC QC to locate the appropriate data needed to complete the NIS-2 forms for the valves.

Work Orders 98687402 and 98687741 have been generated to initiate inspection of these valves.

This PIP is being generated as a tracking tool only and should be assigned to the ONS NIS-2 Coordinator, Robert Bosnak.

Originated By: WLP8374: PATTON, WILLIAM L Team: BKM7360 Group: SGR Date: 08/25/2004

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

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

Immediate Corrective Actions:

Immediate Corrective Action Documents / Work Orders:

	Indiv	Team	Group	Date
Problem Identified By:	WLP8374	BKM7360	SGR	08/25/2004
Problem Entered By:	WLP8374	BKM7360	SGR	08/25/2004

Problem Evaluation

Event	Cause Code	Cause Description	Primary	Causing Groups
A1a	G1f	Planning not coordinated with inputs from walkdown	Yes	SGR

Problem Evaluation From: Resp. Group: SGR Status: Open OEDB Checked: No

No further corrective actions are required. ONS WMS Work Orders are now in place to ensure the NIS-2 data is collected in a timely manner.

Last Updated By: WLP8374: PATTON, WILLIAM L Team: BKM7360 Group: SGR Date: 09/02/2004

The apparent cause is inability to identify the valves' Manufacturer Numbers and National Board Numbers which are unique for each valve and are required information on the NIS-2 forms. As stated below, if the valves' serial number or the ONS NSC assigned UTC numbers had been identified while the valves were physically accessible, the remaining information could have been obtained. There are a number of reasons why the information was not obtained. The leading reason is that the valve data was not collected in a timely manner by the SGHR Project Team.

The corrective action has been initiated to gain the required valve data as part of the installation process. This is a change to the previous information gathering methodology. The information will be gathered by SGT, SGRH and ONS NSC. The SGRH Lead Mechanical Engineer (Bill Patton) has been assigned the responsibility to oversee this collection of data such that the NIS forms will be populated with the required data in a timely fashion.

Last Updated By: WLP8374: PATTON, WILLIAM L Team: BKM7360 Group: SGR Date: 09/02/2004

.... follow-up text below was generated by Basil Carney (Oconee Engineering) and Jim Snowden (Oconee Operations) and explains the apparent

cause and resolution to this PIP. This PIP should be reassigned as a Category 4 PIP. However, if Corrective Actions are required, please follow the guidance given in Work Orders 98687402 and 98687741.

Updated By: WLP8374: PATTON, WILLIAM L Team: BKM7360 Group: SGR Date: 09/01/2004

The duty OSM(Jim Snowden concurs with this assessment.

Last Updated By: JGS6156: SNOWDEN, JAMES G Team: DMS1427 Group: OPS Date: 08/31/2004

*******OPERABILITY ASSESSMENT******by Basil W. Carney, Jr.*******

Valves 1FDW-606 and 1FDW-609 are clearly operable.

The NIS-2 form is an ASME Section XI form. This form ask for information about the removed component and the installed component. This information is used to prove that the new component is equivalent to the replacement piece of equipment. Valves 1FDW-606 and 1FDW-609 were added by the steam generator replacement modification.

The NIS-2 form ask for such information as the component Serial Number, National Board Number (if any), Year Built, and is the component ASME stamped. Typically this information is available from the component name plate and the document package supplied with the component. However, with two similar valves missing specific information it is impossible to determine from the document package which valve was installed at what position.

The valves were received as QA condition 1 so the valves are acceptable for their application. The problem is that there is just no way to complete the NIS-2 form without the serial number or national board number for each component. Failure to obtain the supporting information from a valve does not affect the documentation supplied with the valve or the fact that the valve is the proper valve for this application..

Updated By: BWC7315: CARNEY JR, BASIL W Team: PAW4981 Group: MCE Date: 08/31/2004

Last Updated By: WLP8374: PATTON, WILLIAM L Team: BKM7360 Group: SGR Date: 08/26/2004

During the process of accumulating data to populate NIS-2 forms for the U1EOC21outage, SGRH Project, sufficient supporting data for valves 1FDW-606 and 1FDW-609 could not be located. During the next opportunity to enter Unit 1 containment, these valves need to be inspected to identify their serial numbers. The serial numbers are needed by ONS NSC QC to locate the appropriate data needed to complete the NIS-2 forms for the valves.

Work Orders 98687402 and 98687741 have been generated to initiate inspection of these valves.

This PIP is being generated as a tracking tool only and should be assigned to the ONS NIS-2 Coordinator, Robert Bosnak.

Originated By: WLP8374: PATTON, WILLIAM L Team: BKM7360 Group: SGR Date: 08/25/2004

Last Updated By: WLP8374: PATTON, WILLIAM L Team: BKM7360 Group: SGR Date: 09/01/2004

Originated By: WLP8374: PATTON, WILLIAM L Team: BKM7360 Group: SGR Date: 09/01/2004

OEDB Comments:

arks Comments:

Signature Type	Indiv	Team	Group	Date
Due Date:	09/24/2004			
Accepted By:	MDRAVAN	BKM7360	SGR	08/31/2004
Assigned To:	WLP8374	BKM7360	SGR	08/31/2004

End of the Document for PIP No: O-4-5512
The status of this PIP is: Screened
The duration of this PIP was: 5 days

UNIT: 1

1
11
1
1
11111

08/26/04
15:36:02
98687741 01

OCONEE NUCLEAR STATION
CREW COVER SHEET FOR WO#/TSK
CREW NUMBER:244 FOR :(/)

WORK ORDER TITLE : 1FDW VA0609 INSPECT FOR NIS-2 DATA

WORK AGAINST : ON 1 FDWVA0609

MISCELLANEOUS
98687741-01

EQUIPMENT DESC : 1B S/G VENT TO DRAIN LINE BLOCK
LOCATION - D030 : R808+08
LOC NARR DESC : RB ELEV. 808+08 W. SIDE OUTSIDE SEC. SHIEL
: D
EQUIPMENT LIST NUM: EQUIP TAG: 1FDW-609

TASK DESCRIPTION : 1FDW VA0609 INSPECT FOR NIS-2 DATA
SAFETY INSTRUCTION:
SPECIAL INSTRUCTN : DATA ACQUISITION ONLY,NO PROCEDURE REQUIRED.

CLEARANCE : OPS _____ DATE: _____ PRA: _____

TECH SPEC ITEM: TECH SPEC RELATED: EXP. DATE/TIME:
TSAIL:

DETAILED TSK DESC : 1FDW VA0609 INSPECT FOR NIS-2 DATA
A.DATA ACQUISITION ONLY,NO PROCEDURE REQUIRED.
B.OBTAIN SERIAL NUMBER AND ANY OTHER INFORMATIOM ATTACHED TO
THE VALVE.
C.FORWARD INFORMATION ON VALVE TO JENNIFER LITTLEJOHN WHO
WILL PROVIDE THE OTHER DATA NEEDED FOR THE NIS-2 VALVES.
D.THE ABOVE INFORMATION OBTAINED FROM JENNIFER LITTLEJOHN
MUST BE GIVEN TO ROBERT BOSNAK IN MOD ENGINEERING
AT EXT.4176.

PROC/STD: NSD104/FME REF PRE-JOB BRIEFING & FME EXEC STD PLN
POWERCHEMISTRYMANUAL PCMG MAY APPLY TO THIS JOB, REFERENCE EWP 7.6

DETERMINATIONS

QA CONDITION	: 1	QC REQ.	: N	RWP#	:	RED TAG	: NO RED TAGS
CONT CLOSURE	:	RETEST	: N	RWP IND	: Y	BTO#	:
CONTL RM IND	:	FUNC	: M	ALARA	: N	BTO2#	:
CLEAN ZONE	: 4	OOC	: X	NPRDS	:	R & R	:
DUKE/ISI CLS	: F /B	SIZE	: 2"	ACTIVE	: N	CRIP	:

*** SDQA CAT E --- FOR CONTROL COPY, REFER TO ELECTRONIC DATA ***

UNIT: 1

1
11
1
1
11111

08/26/04
15:36:02
98687741 01

OCONEE NUCLEAR STATION
CREW COVER SHEET FOR WO#/TSK
CREW NUMBER:244 FOR :(/)

MODEL WO : _____ DUE DATE : _____ LATE DATE: _____ FREQ: _____
ORIG WR : W/O PRI : 0 PROJ : _____
WO/TSK TP: MI /MI CRAFT : MM R121 Y/N : N
JOB STAT : NEW TSK STAT : PLAN DOC/PEND :

REFERENCE DRAWINGS :
FLW 0 FD-121B-01-05 C08

TSK	CRAFT	SEQ	WORK ORDER TASK LISTING	WORK AGAINST	TYPE	CREW	HOURS
01	MM	01	1FDW VA0609 INSPECT FOR NIS-2 DATA	ON1 FDWVA0609	MI	244	4.0

- CORRECT COMPONENT VERIFICATION

IDENTIFIED BY: _____ UNIT: ___ DATE: _____ TIME: _____

VERIFIED BY: _____ UNIT: ___ DATE: _____ TIME: _____

- VERIFICATION OF SAFE WORKING CONDITIONS

VERIFIED BY: _____ DATE: _____ TIME: _____

- TASK COMPLETION

JOB SUPV: _____ DATE: _____

*** SDQA CAT E --- FOR CONTROL COPY, REFER TO ELECTRONIC DATA ***

UNIT: 1

1
11
1
1
11111

08/26/04
10:03:22
87402 01

OCONEE NUCLEAR STATION
CREW COVER SHEET FOR WO#/TSK
CREW NUMBER:244 FOR ;(/)

WORK ORDER TITLE : 1FDW VA0606 1FDW VA0606 INSPECT FOR NIS-2 DATA____

WORK AGAINST : ON 1 FDWVA0606

MISCELLANEOUS
98687402-01

EQUIPMENT DESC : 1B S/G VENT BLOCK
LOCATION - D030 : R808+08
LOC NARR DESC : RB ELEV. 808+08 W. SIDE OUTSIDE SEC. SHIEL
: D
EQUIPMENT LIST NUM: EQUIP TAG: 1FDW-606

TASK DESCRIPTION : 1FDW VA0606 INSPECT FOR NIS-2 DATA
SAFETY INSTRUCTION:
SPECIAL INSTRUCTN : DATA ACQUISITION ONLY,NO PROCEDURE REQUIRED.

CLEARANCE : OPS _____ DATE: _____ PRA: *NO_CODE

TECH SPEC ITEM: N TECH SPEC RELATED: N EXP. DATE/TIME:
TSAIL:

DETAILED TSK DESC : 1FDW VA0606 INSPECT FOR NIS-2 DATA_____
A.DATA ACQUISITION ONLY,NO PROCEDURE REQUIRED.____-_____
B.OBTAIN SERIAL NUMBER AND ANY OTHER INFORMATIOM ATTACHED TO
__THE VALVE._____
C.FORWARD INFORMATION ON VALVE TO JENNIFER LITTLEJOHN WHO__
__WILL PROVIDE THE OTHER DATA NEEDED FOR THE NIS-2 VALVES.__
D.THE ABOVE INFORMATION OBTAINED FROM JENNIFER LITTLEJOHN__
__MUST BE GIVEN TO ROBERT BOSNAK IN MOD ENGINEERING_____
__AT EXT.4176._____

PROC/STD: NSD104/FME REF PRE-JOB BRIEFING & FME EXEC STD PLN_____
POWERCHEMISTRYMANUAL PCMG MAY APPLY TO THIS JOB, REFERENCE EWP 7.6____

DETERMINATIONS

QA CONDITION	: 1	QC REQ.	: N	RWP#	:	RED TAG	: NO RED TAGS
CONT CLOSURE	:	RETEST	: N	RWP IND	: Y	BTO#	:
CONTL RM IND	: N	FUNC	: M	ALARA	: N	BTO2#	:
CLEAN ZONE	: 4	OOC	: X	NPRDS	:	R & R	:
DUKE/ISI CLS	: F /B	SIZE	: 2	ACTIVE	: N	CRIP	: N

*** SDQA CAT E --- FOR CONTROL COPY, REFER TO ELECTRONIC DATA ***

FORM NIS-2 OWNER'S REP' ,R REPAIRS OR REPLACEMENTS
As Required By The Prov ,ns Of The ASME Code Section XI

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

1.a Date 09/22/04

Sheet 1 of 4

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

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

3a. Work Order # 98514761
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 # ON-13086 BM4 WP13535A

4. Identification of System Misc. Mechanical Interferences Class 3

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-57-481A-H1	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-57-481A-H24	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
C	Hanger/Support 1-57-481A-H23	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
D	Hanger/Support 1-57-481A-H18	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
E	Hanger/Support 1-57-481A-H21	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
F	Hanger/Support 1-57-481A-H22	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove/replace SG 1A misc. mech. interferences in support of SG Replacement.

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: Miscelleaneous Mechanical hangers were removed for the removal of the 1A SG and replaced after Installation of the new replacement steam generator

(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] SGRH SENIOR ENGINEER Date 9/27/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 6-20-03 to 8-30-04; 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 NC 853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REPC .1 REPAIRS OR REPLACEMENTS
As Required By The Provis..is Of The ASME Code Section XI

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

1.a Date 09/22/04

Sheet 3 of 4

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

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

3a. Work Order # 98514761
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 # ON-13086 BM4 WP13535A

4. Identification of System Misc. Mechanical Interferences Class 3

5. (a) Applicable Construction Code ASME III ND 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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)
G	Hanger/Support 1-57-481A-H12	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
H	Hanger/Support 1-57-481A-H8	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
I	Hanger/Support 1-57-481A-H23A	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
J	Hanger/Support 1-57-481A-H13C	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
K	Hanger/Support 1-57-480A-H19	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
L							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove/replace SG 1A misc. mech. Interferences in support of SG Replacement.

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: Miscelleaneous Mechanical hangers were removed for the removal of the 1A SG and replaced after installation of the new replacement steam generator.

(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] SGRH SENIOR ENGINEER Date 9/30/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 6-20-03 to 8-30-04; 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 NC 853, N, I

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

Date 9-30-04

FORM NIS-2 OWNER'S REPO' (REPAIRS OR REPLACEMENTS
As Required By The Provi. .s Of The ASME Code Section XI

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

1.a Date 09/27/04

Sheet 1 of 2

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

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

3a. Work Order # 98514761
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 # ON-13086 BM4 WP 13535A

4. Identification of System Miscellaneous Mechanical Interferences Class 3

5. (a) Applicable Construction Code ASME III ND 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Piping	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B							☐ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Re-Install Miscellaneous Interference piping for SG 1A.

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. Remark: Existing Miscellaneous Interference piping had to be removed to allow removal of old SG and Installation of the new 1A steam generator. This NIS-2 covers the welding for re-installing this piping. Applied Code Case N-416-1.

(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] SGRH SENIOR ENGINEER Date 9/30/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 6-20-03 to 8-30-04; 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 NC 853, N, I

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

Date 9-30-04

FORM NIS-2 OWNER'S REP OR REPAIRS OR REPLACEMENTS
As Required By The Pro ns Of The ASME Code Section XI

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

1.a Date 09/22/04

Sheet 1 of 2

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

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

3a. Work Order # 98514080
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 # ON-13086 AS1 WP13050A

4. Identification of System Reactor Coolant Class 1

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-50-RCPM-H6598	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-50-RCPM-H6599	Duke Power Company	N/A	N/A	N/A	1973	☑ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove/replace supports for removal of Interferences for SG 1A removal.

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. Remark: Hangers were removed for the removal of the 1A SG and replaced after installation of the new replacement steam generator.

(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 SGRH SENIOR ENGINEER Expiration Date N/A

Signed [signature] Date 09/22/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 4-9-03 to 8-30-04; 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 NC 853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REPOR . REPAIRS OR REPLACEMENTS
As Required By The Provisi... Of The ASME Code Section XI

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

1.a Date 09/22/04

Sheet 1 of 2

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

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

3a. Work Order # 98514083
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 # ON-13086 AS1 WP13050B

4. Identification of System Reactor Coolant Class 1

5. (a) Applicable Construction Code ASME III NC 1989 Edition N/A Addenda, No Addenda /Code Cases N/A
(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	Hanger/Support 1-50-RCPM-H6600	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B	Hanger/Support 1-50-RCPM-H6601	Duke Power Company	N/A	N/A	N/A	1973	☑ 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 maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work Remove/replace supports for removal of Interferences for SG 1B removal.

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. Remark: Hangers were removed for the removal of the 1B SG and replaced after installation of the new replacement steam generator.

(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] SGRH SENIOR ENGINEER Date 9/22/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 4-9-03 to 1-17-04; 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 NC 853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REP[illegible]JR REPAIRS OR REPLACEMENTS
As Required By The Prov[illegible]ons Of The ASME Code Section XI

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

1.a Date 09/22/04

Sheet 1 of 4

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

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

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

3a. Work Order # WO 98514564 (Tendon Removal/Replacement)
Repair Organization Job #

3b. NSM or MM # ON-13086 AS9 WP 11551 (Tendon Removal)
WP 13551 (Tendon Replacement)

4. Identification of System Reactor Containment Class CC

5. (a) Applicable Construction Code ASME III Div. 2 1992 Edition N/A Addenda, 1992 /Code Cases N/A
(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	Tendons	Duke Power Company	See Attached Table A For Affected Tendon Number	N/A	N/A	1973	☐ Repaired ☑ Replaced ☐ Replacement	☑ No ☐ Yes
B	Tendons	Duke Power Company	See Attached Table B For Affected Tendon Number	N/A	N/A	2003	☐ 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

 9/22/04

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work **Removal/replacement of tendons for construction opening.**

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑ Other (ILRT) ☐ Exempt

Pressure 60.934 psig Test Temp 98 °F

Pressure _____ psig Test Temp _____ °F

Pressure _____ psig Test Temp _____ °F

9. Remark: **Selected tendons were removed for installation of construction opening. Closure of construction opening required tendon replacement. Table A lists tendors that were removed and Table B documents final configuration of installed tendons per this modification.**

(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] SGEH SENIOR ENGINEER Date 9/29/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of CA and employed by HSB-CT have inspected the components described in this Owner's Report during the period 10-8-03 to 9-8-04 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 CA-1969 N, A I

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

Date 9-29-04

ZDP 9/29/04

1. Owner Duke Power Company

Address 526 S. Church Street, Charlotte, NC 28201-1006

1.a Date 09/22/04

Sheet 3 of 4

2. Plant Oconee Nuclear Station

Address 7800 Rochester Hwy. Seneca, S.C. 29672

2a. Unit ( )

3a. Work Order # WO 98514564 (Tendon Removal/Replacement)

Work Performed By Duke Power Company

Repair Organization Job #

Address 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp N/A Authorization No. N/A

3b. NSM or MM # ON-13086 AS9 WP 11551 (Tendon Removal)

WP 13551 (Tendon Replacement)

4. Identification of System Reactor Containment Class CC

5. (a) Applicable Construction Code ASME III Div. 2 1992 Edition N/A Addenda, 1992 /Code Cases N/A

(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

TABLE A

ONS 1 TENDONS REMOVED DURING 1EOC21

ONS Unit 1 Vertical Tendons					
Tendon Number	Heat Code	Shop Head Heat Number	Heat Code	Field Head Heat Number	Wire Heat No.
23V25	38	6022665	36	48373	X9390
23V26	38	6022665	36	48373	X9390
23V27	28	6013084	38	6022665	A69910
23V28	28	6013084	36	48373	A69910
23V29	28	6013084	36	48373	A69910
23V30	30	6339225	36	48373	A69910
34V1	28	6013084	30	6339225	A69910
34V2	30	6339225	38	6022665	A69910
34V3	30	6339225	30	6339225	A69910
34V4	28	6013084	38	6022665	A69910
34V5	28	6013084	30	6339225	A69910
34V6	30	6339225	30	6339225	A69910
34V7	38	6022665	38	6022665	Z7654
34V8	28	6013084	38	6022665	Z7654
34V9	38	6022665	38	6022665	Z7654
34V10	38	6022665	38	6022665	Z7654
34V11	38	6022665	38	6022665	Z7654
34V12	38	6022665	38	6022665	Z7654
34V13	28	6013084	30	6339225	Z7654
34V14	38	6022665	TENDON MISSING		
34V15	38	6022665	38	6022665	Z7654
34V16	38	6022665	30	6339225	Z7654
34V17	38	6022665	38	6022665	Z7654
34V18	38	6022665	38	6022665	Z7654
34V19	38	6022665	38	6022665	Z7654
34V20	38	6022665	30	6339225	Z7654
34V21	38	6022665	30	6339225	Z7654
34V22	38	6022665	38	6022665	Z7654
34V23	38	6022665	30	6339225	Z7654
34V24	38	6022665	38	6022665	Z7654
34V25	38	6022665	38	6022665	Z7654
34V26	38	6022665	38	6022665	Z7654
34V27	38	6022665	38	6022665	Z7654
34V28	38	6022665	38	6022665	Z7654
34V29	28	6013084	30	6339225	Z7654
34V30	38	6022665	30	6339225	Z7654
45V1	28	6013084	30	6339225	Z7364
45V2	30	6339225	30	6339225	Z7654
45V3	30	6339225	30	6339225	Z7372-Z7364
45V4	38	6022665	30	6339225	Z7372-Z7364
45V5	28	6013084	36	48373	Z7372-Z7364
45V6	38	6022665	30	6339225	Z7372-Z7364

ONS Unit 1 Horizontal Tendons					
Tendon Number	Heat Code	Shop Head Heat Number	Heat Code	Field Head Heat Number	Wire Heat No.
42H46	38	6022665	52	6013827	A79461
42H47	38	6022665	52	6013827	A79461
42H48	38	6022665	38	6022665	A79461
42H49	38	6022665	52	6013827	A79461
42H50	38	6022665	52	6013827	A79461
42H51	38	6022665	52	6013827	A79461
42H52	38	6022665	52	6013827	A79461
42H53	38	6022665	52	6013827	A79461
42H54	38	6022665	38	6022665	A79461
42H55	38	6022665	30	6339225	A79461
42H56	38	6022665	NA	Not Available	A80955
42H57	38	6022665	52	6013827	A80955
42H58	38	6022665	52	6013827	A80955
42H59	28	6013084	30	6339225	A80955
42H60	38	6022665	30	6339225	A80955
42H61	38	6022665	38	6022665	A80955
42H62	38	6022665	38	6022665	A80955
42H63	38	6022665	52	6013827	A80955
42H64	38	6022665	52	6013827	A80955
42H65	38	6022665	52	6013827	A80955
53H47	38	6022665	30	6339225	R0360
53H48	38	6022665	30	6339225	R0360
53H49	38	6022665	30	6339225	R0360
53H50	38	6022665	30	6339225	R0360
53H51	38	6022665	30	6339225	R0360
53H52	29	6013111	38	6022665	L19137
53H53	29	6013111	38	6022665	L19137
53H54	29	6013111	38	6022665	L19137
53H55	29	6013111	38	6022665	L19137
53H56	29	6013111	30	6339225	L19137
53H57	29	6013111	30	6339225	L19137
53H58	29	6013111	30	6339225	L19137
53H59	29	6013111	30	6339225	L19137
53H60	29	6013111	30	6339225	L19137
53H61	29	6013111	30	6339225	L19137
53H62	29	6013111	30	6339225	A70260
53H63	29	6013111	30	6339225	A70260
53H64	29	6013111	30	6339225	A70260
53H65	29	6013111	30	6339225	L19137
53H66	29	6013111	30	6339225	A70260
13H13	38	6022665	38	6022665	Not Available

1. Owner Duke Power Company

Address 526 S. Church Street, Charlotte, NC 28201-1006

1.a Date 09/22/04

Sheet 4 of 4

2. Plant Oconee Nuclear Station

Address 7800 Rochester Hwy. Seneca, S.C. 29672

2a. Unit ( )

3a. Work Order # WO 98514564 (Tendon Removal/Replacement)

3. Work Performed By Duke Power Company

Repair Organization Job #

Address 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp N/A Authorization No. N/A

3b. NSM or MM # ON-13086 AS9 WP 11551 (Tendon Removal)

WP 13551 (Tendon Replacement)

4. Identification of System Reactor Containment Class CC

5. (a) Applicable Construction Code ASME III Div. 2 1992 Edition N/A Addenda, 1992 /Code Cases N/A

(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

TABLE B

ONS 1 TENDONS REPLACEMENT DURING 1EOC21

ONS Unit 1 Vertical Tendons						ONS Unit 1 Horizontal Tendons					
Tendon Number	Heat Code	Shop Head Heat Number	Heat Code	Field Head Heat Number	Wire Heat No.	Tendon Number	Heat Code	Shop Head Heat Number	Heat Code	Field Head Heat Number	Wire Heat No.
23V25	TX131	13746	TX59	13746	49460	42H46	TX171	13746	TX113	13746	62065
23V26	TX133	13746	TX67	13746	49460	42H47	TX164	13746	TX81	13746	62065
23V27	TX140	13746	TX78	13746	62065	42H48	TX134	13746	TX73	13746	62065
23V28	TX151	13746	TX70	13746	62065	42H49	TX18	13746	TX104	13746	M32771
23V29	TX146	13746	TX51	13746	62065	42H50	TX28	13746	TX112	13746	M32771
23V30	TX156	13746	TX88	13746	62065	42H51	TX41	13746	TX197	13746	M32771
34V1	TX143	13746	TX85	13746	62065	42H52	TX17	13746	TX199	13746	M32771
34V2	TX139	13746	TX66	13746	62065	42H53	TX25	13746	TX111	13746	M32771
34V3	TX138	13746	TX55	13746	62065	42H54	TX16	13746	TX107	13746	M32771
34V4	TX148	13746	TX58	13746	62065	42H55	TX37	13746	TX121	13746	49460
34V5	TX141	13746	TX87	13746	62065	42H56	TX13	13746	TX122	13746	49460
34V6	TX142	13746	TX57	13746	62065	42H57	TX21	13746	TX124	13746	49460
34V7	TX135	13746	TX79	13746	62065	42H58	TX5	13746	TX110	13746	49460
34V8	TX136	13746	TX82	13746	62065	42H59	TX36	13746	TX115	13746	49460
34V9	TX137	13746	TX80	13746	62065	42H60	TX26	13746	TX108	13746	49460
34V10	TX30	13746	TX100	13746	49460	42H61	TX10	13746	TX106	13746	49460
34V11	TX20	13746	TX119	13746	49460	42H62	TX24	13746	TX125	13746	49460
34V12	TX3	13746	TX114	13746	49460	42H63	TX38	13746	TX77	13746	49460
34V13	TX39	13746	TX95	13746	49460	42H64	TX48	13746	TX68	13746	49460
34V14	Not installed on Unit 1					42H65	TX46	13746	TX63	13746	49460
34V15	TX40	13746	TX97	13746	49460	53H47	TX29	13746	TX50	13746	49460
34V16	TX27	13746	TX103	13746	49460	53H48	TX129	13746	TX75	13746	49460
34V17	TX7	13746	TX123	13746	49460	53H49	TX8	13746	TX116	13746	49460
34V18	TX23	13746	TX94	13746	49460	53H50	TX2	13746	TX90	13746	49460
34V19	TX1	13746	TX96	13746	49460	53H51	TX42	13746	TX126	13746	49460
34V20	TX15	13746	TX93	13746	49460	53H52	TX34	13746	TX92	13746	49460
34V21	TX9	13746	TX117	13746	49460	53H53	TX6	13746	TX38	13746	49460
34V22	TX150	13746	TX53	13746	62065	53H54	TX35	13746	TX105	13746	49460
34V23	TX176	13746	TX196	13746	66053	53H55	TX12	13746	TX102	13746	49460
34V24	TX174	13746	TX64	13746	62065	53H56	TX11	13746	TX101	13746	49460
34V25	TX152	13746	TX80	13746	62065	53H57	TX31	13746	TX91	13746	49460
34V26	TX149	13746	TX71	13746	62065	53H58	TX33	13746	TX116	13746	49460
34V27	TX145	13746	TX56	13746	62065	53H59	TX44	13746	TX109	13746	49460
34V28	TX163	13746	TX65	13746	62065	53H60	TX43	13746	TX120	13746	49460
34V29	TX155	13746	TX61	13746	62065	53H61	TX45	13746	TX99	13746	49460
34V30	TX180	13746	TX83	13746	62065	53H62	TX32	13746	TX195	13746	49460
45V1	TX161	13746	TX54	13746	62065	53H63	TX22	13746	TX198	13746	49460
45V2	TX170	13746	TX76	13746	62065	53H64	TX49	13746	TX86	13746	49460
45V3	TX127	13746	TX84	13746	49460	53H65	TX128	13746	TX74	13746	49460
45V4	TX4	13746	TX72	13746	49460	53H66	TX132	13746	TX52	13746	49460
45V5	TX130	13746	TX69	13746	49460	13H13		Not installed			
45V6	TX14	13746	TX62	13746	49460						

FORM NIS-2 OWNER'S REF OR REPAIRS OR REPLACEMENTS
As Required By The Pro. .ons Of The ASME Code Section XI

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

1.a Date 09/22/04

Sheet 1 of 2

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

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

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

3a. Work Order # 98535912 (Concrete Removal/Replacement)
Repair Organization Job #

3b. NSM or MM # ON-13086 AS9 WP 11550 (conc./rebar removal)
WP 13550 (conc./rebar replacemt)

4. Identification of System Containment Class CC

5. (a) Applicable Construction Code per SGRP-SPEC-C-003 19 N/A Edition N/A Addenda, N/A /Code Cases N/A
(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	Concrete (Removed for Construction Opening)	Duke Power Company	N/A	N/A	N/A	1973	☐ Repaired ☑ Replaced ☐ Replacement	☑ No ☐ Yes
B	Concrete (Replaced for Restoring Containment)	Duke Power Company	N/A	N/A	N/A	2003	☐ Repaired ☐ Replaced ☑ Replacement	☑ No ☐ Yes
C	Rebar	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work **Creation of construction opening for removing old RVHA/SG/s and installing new.**

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

Pressure 60.353 psig Test Temp 72 °F

Pressure _____ psig Test Temp _____ °F

Pressure _____ psig Test Temp _____ °F

9. Remark: **Work involved removing concrete, rebar and liner plate to create the construction opening above the Unit 1 equipment hatch. After the RVH and two SGs were replaced the old liner plate was re-installed, rebar re-installed and new concrete placed to re-establish containment. Testing was accomplished with the integrated leak rate test. Pressure and temperature numbers came from the Unit 1 Containment Integrated Leakage Test Report, reading # 92.**

(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 SGRH SENIOR ENGINEER Expiration Date N/A

Signed [signature] Date 09/29/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 11-3-03 to 9-1-04; 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 NC853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REP OR REPAIRS OR REPLACEMENTS
As Required By The Pro. ons Of The ASME Code Section XI

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

1.a Date 09/22/04

Sheet 1 of 2

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

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

3a. Work Order # 98514558
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 # ON-13086 AS9 WP 13555

4. Identification of System Containment Class MC

5. (a) Applicable Construction Code ASME Section VIII 1998 Edition N/A Addenda, 98 Addenda /Code Cases N/A
(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	Containment Liner Plate	Duke Power Company	N/A	N/A	N/A	1973	☑ Repaired ☐ Replaced ☐ Replacement	☑ No ☐ Yes
B							☐ 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

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size is 8 1/2 in. x 11 in. (2) Information in items 1 through 6 on this 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.

7. Description of Work **Creation of construction opening for removing old RVHA/SG/s and installing new.**

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

Pressure 60.353 psig Test Temp 72 °F

Pressure _____ psig Test Temp _____ °F

Pressure _____ psig Test Temp _____ °F

9. Remark: **Work involves cutting the liner plate above the equipment hatch for construction opening. After moving new RVHA and S/Gs into containment the cut out liner plate was then welded back in place. Testing is accomplished with the integrated leak rate test after plate is re-welded, concrete replaced and tendons replaced. Pressure and temperature numbers came from the Unit 1 Containment Integrated Leakage Test Report, reading # 92.**

(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 SGRH SENIOR ENGINEER Expiration Date N/A

Signed [signature] Date 9/28/04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by HSBCT have inspected the components described in this Owner's Report during the period 10-5-03 to 9-2-04; 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 NC 853, N, I

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

Date 9-29-04

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 07-12-04
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 # 98616048-01
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 # 17643

4. Identification of System HIGH PRESSURE INJECTION Class 2

5. (a) Applicable Construction Code ANSI B31.7 19 68 Edition, N/A 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	SIR 1-51-0-439C-SR44	DPC	N/A	N/A	N/A	2004	☒ Repaired ☐ Replaced ☐ Replacement	☒ No ☐ Yes
B							☐ 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

Form NIS-2 (Back)

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

7. Description of Work MODIFY S/R 1-51-0-439C-SR44

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 N/A

(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 Larry T. Mangall QA SPEC Date JULY 12, 2004

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 HSB CT have inspected the components described in this Owner's Report during the period 10-5-03 to 7-12-04; 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

National Board, State, Providence and Endorsements

Date 7/12/04

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
98579586 - 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 5/9/2005

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

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)
Hanger 1-51A-O-479A-H8E (1)	DPC	None	None	None	2005	Corrected ~~Installed~~ Rwc 5/24/2005	NO

7. Description of Work

Replaced rusty U-bolt with new 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
98579586 - 01	2 of 2

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

❶ Replaced U-bolt: 1/4 inch diameter, Carbon steel, UTC # 1063158.

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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. Carey Senior Engineer Date 5/9/2005

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 5-5-05 to 5-9-05, 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 NIRAC

National Board, State, Province, and Endorsements

Date 5/24/05

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
98634155 - 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 4/30/2005

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

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)
Hanger 1-51A-479A-H6418 (1)	DPC	None	None	1 HPIHS31851A	UNK	Corrected	NO

7. Description of Work

Hanger rod was bent and needed to be replaced.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other QAF-18

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
98634155 - 01	2 of 2

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

❶ Replaced a piece of 1/2 inch round rod, Material A36.

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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 4/30/2005

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 11-9-04 to 5-18-05, 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 5/18/05

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
98628435 - 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 4/27/2005

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

Low Pressure Service Water , ASME Class 2

5.

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

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

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
3 inch piping components (1)	DPC	None	None	None	UNK	Corrected	NO

7. Description of Work

Due to excessive pitting on flange face, the 4 pipe side flanges to the RCP motor air cooler were replaced.

8. Test Conducted

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

Pressure 115 PSI Test Temperature 69 °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
98628435 - 1	2 of 2

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

❶ Replaced 4 - 3 inch 150 # raised face, weld neck carbon steel (SA 105) flanges

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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. Cummings Senior Engineer Date 5/2/2005

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 2-14-05 to 5-18-05, 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 NBAC

National Board, State, Province, and Endorsements

Date 5/18/05

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
98634017 - 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 5/4/2005

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

Gaseous Waste Disposal, 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 1-57-O-481A-H12 (1)	DPC	None	None	None	UNK	Corrected	NO

7. Description of Work

Constant support hanger 1-57-O-481A-H12, on the Gaseous Waste Disposal line had a bent 1/2 inch rod. This rod has been replaced.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other QAF-18

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
98634017 - 01	2 of 2

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

❶ A new 1/2 inch round rod made of A-36 and clevis replaced the damaged existing parts.

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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 Bart W. Cam Senior Engineer Date 5/4/2005

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 11-9-04 to 5-12-05, 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 NB ABC

National Board, State, Province, and Endorsements

Date 5/13/05

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
98723645 - 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 5/4/2005

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

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)
Hanger 1-50-O-481A-H1	DPC	None	None	None	UNK	Corrected	NO

7. Description of Work

The plate attached to the valve operator interfered with the installation of the pressurizer platform so it was decided to cut off the corner that was making contact with the platform to allow free movement of the pipe.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other QAF-18

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
98723645 - 01	2 of 2

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

❶ No material was added to this hanger. A corner was cut off.

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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 5/4/2005

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 4-28-05 to 5-12-05, 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 5/13/05

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
98693303-03	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 5/4/2005

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

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)
1RC-68	Consolidated	BT-04976	None	None	UNK	Removed	YES
1RC-68	Consolidated	BT-04975	None	None	UNK	Installed	YES
❶ Outlet Flange Stud for 1RC-68	UNK	None	None	None	UNK	Installed	NO

7. Description of Work

Installed valve, serial number BT-04976, was removed for section XI testing. Replaced with previously tested spare, serial number BT-04975, from stock. Valve, serial number BT-04975 was removed from unit 3 and repaired on work order number 98659465. Replaced one outlet stud due to normal wear.

Replacement stud material is SA 193 GR B7. Outlet Stud Material: stock code: 297415, UTC #: 1057311.

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
98693302-04	2 of 2

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

❶ Outlet Stud Material - Stock Code # 297415 - UTC # 1057311

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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 5/4/2005

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 4-13-05 to 5-12-05, 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 5/13/05

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
98659458	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 4/14/2005

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

Reactor Coolant, ASME Class 1

5.

(a) Applicable Construction Code: ASME Section III 19 65 Edition, 67 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)
Pressurizer Code Safety Valve (spare) removed from 3RC-68	Dresser	BT-04975	n/a	n/a	1979	Corrected	YES

7. Description of Work

Replaced disc (UTC 1067821), serial number ADQ-59 and nozzle (UTC 1038640), serial number ADF-63.

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
98659458	2 of 2

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

❶ Replaced disc (UTC 1067821), serial number ADQ-59 and nozzle (UTC 1038640), serial number ADF-63.

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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 4/14/2005

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 11-30-04 to 5-13-05, 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 5-13-05

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
98693301-06	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 5/3/2005

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

Reactor Coolant System, ASME Class I

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)
1RC-66	Consolidated	BL-08904	none	none	UNK	Removed	NO
❶1RC-66	Consolidated	BY-93617	none	none	UNK	Installed	NO

7. Description of Work

Valve, serial number BL-08904, was removed for ASME section XI testing. Replaced with new spare valv, serial number BY-93617.

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
98693301-06	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 [signature] Engineer Date 5-3-05

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 4-18-05 to 5-12-05, 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 NC444 NB10C

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

Date 5/13/05

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
98695394-01	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 4/25/2005

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

High Pressue Injection, ASME Class 2

5.

(a) Applicable Construction Code: ASME Section III 19 86 Edition, 1988 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 - 1HP-120	CCI	706573-1-2	None	None	Unk	Corrected	NO

7. Description of Work

Work order # 98695394-01 was written for the valve PM. During the PM Maintenance techs identified that the spindle was damgaged from the flow conditions.

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
98695394-01	2 of 2

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

❶ Valve spindle, serial # 139641, stock code # 486801, UTC # 0001028497

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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 Technical Specialist Date 4/25/05

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 4-18-05 to 5-12-05, 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 NBIBC

National Board, State, Province, and Endorsements

Date 5/13/05

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
98693302-04	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 4/25/2005

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

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)
❶ Flange bolting on valve 1RC-67	UNK	None	None	None	UNK	Installed	NO

7. Description of Work

Valve, serial number BL-08890, was removed for section XI testing. Replaced with previously tested spare valve, serial number BL-08889, from stock. Replace (2) inlet and (3) outlet studs due to normal wear.

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
98693302-04	2 of 2

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

❶ Inlet Stud Material - Stock Code # 297388 - UTC # 1066921, Outlet Stud Material - Stock Code # 297415 - UTC # 1057311

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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 4/26/2005

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 4-13-05 to 5-12-05, 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 5/13/05

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
98686229-01	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 5/3/2005

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

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)
1MS-8	Crosby	None	None	None	UNK	Corrected	NO

7. Description of Work

During PM of valve 1MS-8, the disc insert was found with seat damage from leakage experienced while in service. Visual indication was found on the disc insert. Dye-Penetrant test performed by QA did not show any indication. To be conservitive, the disc insert was replaced with a new one form stock.

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
98686229-01	2 of 2

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

❶ Disc Insert, Stock Code #: 113418, UTC #: 856272.

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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 5/3/2005

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 4-19-05 to 5-12-05, 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/NIRBL

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

Date 5/13/05

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
98694419-11	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 4/21/2005

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

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)
New Miller Cylinder on Snubber 50-0-481A-113	New Miller	18786	N/A	N/A	UNK	Removed	NO
Hydraulic snubber upgrade kit	Anvil	36035	N/A	N/A	UNK	Installed	NO
~~Hydraulic snubber seal kit~~	~~Anvil~~ Not Required TRB 5/11/05	~~N/A~~	~~N/A~~	~~N/A~~	~~UNK~~	~~Installed~~	~~NO~~

7. Description of Work

Replaced existing New Miller cylinder with a Anvil Config. A.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional 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
98694419-11	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 [signature], Sr. Eng. Date 5-10-05

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 11-9-04 to 5-11-05, 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 NIRBC

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

Date 5-12-05

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
98679855	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 5/3/2005

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

RCS, ASME Class 1

5.

(a) Applicable Construction Code: ASME Section III 19 65 Edition, 5-67 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)
CRDM #57	Diamond Power	UNK	UNK	UNK	UNK	Installed	YES
❶ 8 CRDM hold down bolts	FANP	UNK	N/A	UTC 1052097 UTC 1056490	2003	Installed	NO
❷ 1 (2 piece) nut ring	FANP	UNK	N/A	UTC 1057050	2003	Installed	NO

7. Description of Work

Remove CRDM #57 for ISI and re-install. Replace CRDM hold down bolts and nut ring with new ones per station practice for this component.

8. Test Conducted

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

Pressure 2155 PSI Test Temperature ~ 532 °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
98679855	2 of 2

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

❶ 8 new CRDM hold down bolts installed, old ones discarded per standard practice. Material SA-453, Gr. 660. 6 from UTC 1056490, (S/N's GN-5960, -5970, -6191, -6220, -6226, -6321), 2 from UTC 1052097, S/N Not available.

❷ 1 new (2 piece) nut ring installed, old one discarded per standard practice. Material SA-320, Gr. L-43. UTC 1057050 S/N 9717-GN-25

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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 ENGR Date 5/11/2005

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 5-5-05 to 5-12-05, 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 1444 NBBC

National Board, State, Province, and Endorsements

Date 5/12/05

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
98622416-01	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 4/22/2005

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

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 - 1HP-31	Fisher	4768601	None	None	1971	Corrected	NO

7. Description of Work

Work Order 98622416-01 was written for a bonnet/body leak. The valve plug/stem assembly was replaced.

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
98622416-01	2 of 2

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

❶ Valve Plug, stock code # 0018079, UTC # 0001069361

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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 4/22/05

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 4-18-05 to 5-12-05, 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 NBIBC

National Board, State, Province, and Endorsements

Date 5/13/05

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
98634011 - 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 5/4/2005

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

Gaseous Waste Disposal, 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 1-57-O-481A-H7 (1)	DPC	None	None	None	UNK	Corrected	NO

7. Description of Work

Constant support hanger 1-57-O-481A-H7, on the Gaseous Waste Disposal line, had a bent 1/2 inch rod. This rod has been replaced.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other QAF-18

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
98634011 - 01	2 of 2

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

❶ A new 1/2 inch round rod made of A-36 and clevis replaced the damaged existing parts.

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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. Carroll Senior Engineer Date 5/4/2005

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 11-9-04 to 5-12-05, 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 NIAB

National Board, State, Province, and Endorsements

Date 5/12/05

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
98677758	1 of 3

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 5/4/05

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

High Pressure Injection (HPI), 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)
S/R 1-51B-2-0-436D-H42	D.P.Co.	UKN	UKN	UKN	UNK	Removed	NO
S/R 51A-0-479A-JH-H1404	D.P.Co.	UKN	UKN	UKN	UNK	Removed	NO
S/R 51A-0-479A-JH-H1411	D.P.Co.	UKN	UKN	UKN	UNK	Removed	NO
S/R 1-51A-479A-H6660	D.P.Co.	UKN	UKN	UKN	2005	Installed	NO
S/R 1-51A-479A-H6661	D.P.Co.	UKN	UKN	UKN	2005	Installed	NO
S/R 1-51-436D-H5598 (1)	D.P.Co.	UKN	UKN	UKN	2005	Installed	NO
S/R 1-51A-1-0-439A-RD-2501 (2)	D.P.Co.	UKN	UKN	UKN	2005	Installed	NO
S/R 1-51B-2-0-436E-SR66 (3)	D.P.Co.	UKN	UKN	UKN	2005	Installed	NO
S/R 1-51B-2-0-436G-SR64 (4)	D.P.Co.	UKN	UKN	UKN	2005	Installed	NO

7. Description of Work

ONOE-17299, Revise the design temperature of the RC Seal Return Piping (HPI) from 200°F to 286°F, modified S/R's, installed Flex Hoses in the RCW and HPI Piping and raised the design temperature of 1HP-71 and 1HP-302 to 300°F.

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
98677758	2 of 3

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 5/4/2005

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

High Pressure Injection (HPI), 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)
S/R 51A-0-479A-GPD-H0029 (6)	D.P.Co.	UKN	UKN	UKN	2005	Installed	NO
S/R 1-51A-0-479A-JH-H1405 (7)	D.P.Co.	UKN	UKN	UKN	2005	Installed	NO
Pipe	D.P.Co.	UKN	UKN	UKN	2005	Installed	NO
Flex Hose 1HPIFX0021	Senior Flexonics	J86210-1-2	UKN	UKN	2005	Installed	YES
Flex Hose 1HPIFX0022	Senior Flexonics	J86210-1-1	UKN	UKN	2005	Installed	YES
1HPI HX001A (8)	Atlas	862	712	B&W Tag No. 1HP-C2A	1969	Corrected	YES
1HPI HX001B (8)	Atlas	864	714	B&W Tag No. 1HP-C2A	1969	Corrected	YES
1HP VA0071 (9)	Crosby	N67965-00-0001	UKN	UKN	1985	Corrected	YES
1HP VA0302 (9)	Crosby	N67965-00-0001	UKN	UKN	1985	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
98677758	3 of 3

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

❶ Replaced vertical strut with rod hanger with spring can to S/R.

❷ Removed the horizontial strut portion of S/R.

❸ Added structural angle to S/R.

❹ Added diaginal brace and structual angle to S/R.

❺

❻ Added structural angles and shims to S/R to limit horizontial movements.

❼ Replaced tube steel and length of pipe welded to tube steel with structural angles, U-bolt and pipe to S/R.

❽ Raised the RC Seal Return Cooler Design Temperature from 200°F to 300°F.

❾ Raised the Relief Valve Design Temperature from 200°F to 300°F.

❿

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Bruce W. Cary 5/11/2005 Senior Engineer Date 5/11/2005

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 4-20-05 to 5-9-05, 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 NC1441 NI ASC

National Board, State, Province, and Endorsements

Date 5/12/05

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
98694419-06	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 4/21/2005

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

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)
New Miller Cylinder on Snubber 1-51-478A-H6140	New Miller	76113648	N/A	N/A	UNK	Removed	NO
Hydraulic snubber upgrade kit	Anvil	36028	N/A	N/A	UNK	Installed	NO
Hydraulic snubber seal kit	Anvil	N/A	N/A	N/A	UNK	Installed	NO

7. Description of Work

Replaced existing New Miller cylinder with a Anvil Config. A.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional 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
98694419-06	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 [illegible], Senior Eng. Date 4/25/05

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 11-9-04 to 5-2-05, 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.

[illegible] Commissions NC 4444 DIBC

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

Date 5/2/05

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
98694419-12	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 4/21/2005

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

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)
New Miller Cylinder on Snubber 50-0-479A-H3A	New Miller	18796	N/A	N/A	UNK	Removed	NO
Hydraulic snubber upgrade kit	Anvil	36031	N/A	N/A	UNK	Installed	NO
~~Hydraulic snubber seal kit~~	~~Anvil~~ Not Required	~~N/A~~	~~N/A~~ TRB 5/10/05	~~N/A~~	~~UNK~~	~~Installed~~	~~NO~~

7. Description of Work

Replaced existing New Miller cylinder with a Anvil Config. A.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional 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
98694419-12	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 [illegible], Sr. Eng. Date 5/2/05

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 11-9-04 to 5-11-05, 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 5-11-05

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
98694419-13	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 4/21/2005

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

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)
New Miller Cylinder on Snubber 50-0-481A-H7	New Miller	18788	N/A	N/A	UNK	Removed	NO
Hydraulic snubber upgrade kit	Anvil	36030	N/A	N/A	UNK	Installed	NO
~~Hydraulic snubber seal kit~~	~~Anvil~~	~~N/A~~	~~N/A~~	~~N/A~~	~~UNK~~	~~Installed~~	~~NO~~
	Not Required TRB 5/10/05						

7. Description of Work

Replaced existing New Miller cylinder with a Anvil Config. A.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional 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
98694419-13	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 Sr. Eng. Date 5/2/05

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 11-9-04 to 5-11-05, 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 1444 NIAB

National Board, State, Province, and Endorsements

Date 5-11-05

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
98694419-14	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 4/21/2005

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

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)
New Miller Cylinder on Snubber 50-0-480A-H8	New Miller	18817	N/A	N/A	UNK	Removed	NO
Hydraulic snubber upgrade kit	Anvil	36038	N/A	N/A	UNK	Installed	NO
~~Hydraulic snubber seal kit~~ Not Required TRB 5/11/04	~~Anvil~~	~~N/A~~	~~N/A~~	~~N/A~~	~~UNK~~	~~Installed~~	~~NO~~

7. Description of Work

Replaced existing New Miller cylinder with a Anvil Config. A.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional 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
98694419-14	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 [signature] Sr. Eng. Date 5/2/05

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 11-9-04 to 5-11-05, 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.

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[signature] Commissions NC1444 NIBC

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

Date 5-11-05

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
98694419-15	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 4/21/2005

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

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)
New Miller Cylinder on Snubber 50-0-480A-H9	New Miller	15121	N/A	N/A	UNK	Removed	NO
Hydraulic snubber upgrade kit	Anvil	36033	N/A	N/A	UNK	Installed	NO
~~Hydraulic snubber seal kit~~	~~Anvil~~	~~N/A~~	~~N/A~~	~~N/A~~	~~UNK~~	~~Installed~~	~~NO~~
		Not Required TBB 5/10/05					

7. Description of Work

Replaced existing New Miller cylinder with a Anvil Config. A.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional 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
98694419-15	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 [illegible] Sr. Eng Date 5/2/05

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 11-9-04 to 5-11-05, 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.

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Inspector's Signature

Commissions NC1444 NB NBC

National Board, State, Province, and Endorsements

Date 5-11-05

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
98694419-18	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 4/21/2005

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

Low Pressure Injection - High Pressure Portion, 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)
New Miller Cylinder on Snubber 53A-0-481A-H41C	New Miller	18802	N/A	N/A	UNK	Removed	NO
Hydraulic snubber upgrade kit	Anvil	36034	N/A	N/A	UNK	Installed	NO
~~Hydraulic snubber seal kit~~	~~Anvil~~	~~N/A~~ Not Required	~~N/A~~	~~N/A~~ TRA 5/10/05	~~UNK~~	~~Installed~~	~~NO~~

7. Description of Work

Replaced existing New Miller cylinder with a Anvil Config. A.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional 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
98694419-18	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 [illegible] Sr. Eng. Date 5/2/15

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 11-9-04 to 5-11-05, 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.

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[illegible] Commissions NC 444 NIAB

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

Date 5-11-05

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
98697254-46	1 of 3

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 5/5/2005

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

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)
1-50-0-66A-RCPM-S4 Rear Bracket	ANVIL	N/A	N/A	873208	UNK	Installed	NO
1-50-0-66A-RCPM-S4 5x5 Bar Stock	N/A	N/A	N/A	1057383	UNK	Installed	NO
1-50-0-66A-RCPM-S4 5x5 Tube Steel	N/A	N/A	N/A	~~1069495~~ 1076666	UNK	Installed	NO
1-50-0-66A-RCPM-S4 1" Plate	N/A	N/A	N/A	1069495	UNK	Installed	NO
1-50-0-66A-RCPM-S4 1 3/4" Plate	N/A	N/A	N/A	1075155	UNK	Installed	NO
1-50-0-66A-RCPM-S5 Rear Bracket	ANVIL	N/A	N/A	1073585	UNK	Installed	NO
1-50-0-66A-RCPM-S5 1 1/2" Plate	N/A	N/A	N/A	1071258	UNK	Installed	NO

7. Description of Work

Install snubbers and snubber brackets per OE100226

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional 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
98697254-46	2 of 3

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	-
		Date

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

, ASME Class

5.

(a) Applicable Construction Code: _____ 19 ____ Edition, _____ Addenda, No Code Case

(b) Applicable Edition Section XI Utilized For R/R Activity 19 ____ Edition, _____ 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)
1-50-0-66A-RCPM-S5 2 " Plate	N/A	N/A	N/A	1036576	UNK	Installed	NO
1-50-0-66A-RCPM-S6 Rear Bracket	ANVIL	N/A	N/A	1073585	UNK	Installed	NO
1-50-0-66A-RCPM-S6 2" Plate	N/A	N/A	N/A	1036576	UNK	Installed	NO
1-50-0-66A-RCPM-S6 1 1/2" Plate	N/A	N/A	N/A	1071258	UNK	Installed	NO

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98697254-46	3 of 3

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

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed [illegible], Sr. Eng. Date 5-5-05

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 4-7-05 to 5-9-05, 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.

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Inspector's Signature

Commissions NC 1444 NBASC

National Board, State, Province, and Endorsements

Date 5-9-05

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
98694411-05	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 4/21/2005

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

LPI, 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)
Snubber on 1-51-478A-H6140	PSA	10131	N/A	N/A	UNK	Removed	NO
Snubber on 1-51-478A-H6140	Lisega	615873/013	N/A	N/A	UNK	Installed	NO

7. Description of Work

Replaced existing PSA mechanical snubber with a Lisega hydraulic snubber per OSS 0027.00-00-0002

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional 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
98694411-05	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 [illegible], Senior Eng. Date 4/21/05

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 4-19-05 to 5-2-05, 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.

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[illegible] Commissions NC1444 NB&C

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

Date 5/2/05

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

As required by the provisions of the ASME Code Section XI

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 5/4/2005

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

Low Pressure Service Water, ASME Class 2

5.

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

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

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
4" Pipe Coupling installed on LPSW Supply Piping upstream of 1A RBCU	UNK	UNK	UNK	0001078579	UNK	Installed	NO
Bolting Material for 6" flange up stream of 1A RBCU(LPSW Supply)	UNK	UNK	UNK	UNK	UNK	Removed	NO
Bolting Material for 6" flange up stream of 1A RBCU(LPSW Supply) (1)	UNK	UNK	UNK	SEE NOTE 2	UKN	Installed	NO

7. Description of Work

Installed 4" full coupling in LPSW Supply line to 1A RBCU and make-up 6" flange upstream of new Coupling

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
98723529	2 of 2

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

❶ Bolting Materials, Studs SA193, B7 and Heavy Hex Nuts, SA194, Grade 2H

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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 BRADSHAW John Bradshaw / TECH. SPEC. II Date 5/4/05

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 4-18-05 to 5-5-05, 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 1449 NBBC

National Board, State, Province, and Endorsements

Date 5-9-05

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
98656161	1 of 4

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 4/21/2005

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

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)
1HP-939	Velan	052005	None	UTC-1076723	2005	Installed	YES
1HP-940	Velan	042065	None	UTC-1074859	2005	Installed	YES
1HP-969	Flowserve	57BAK	1436	UTC-1074852	2004	Installed	YES
1HP-970	Flowserve	58BAK	1437	UTC-1074853	2004	Installed	YES
1HP-973	Flowserve	42BAG	1404	UTC-1074159	2004	Installed	YES
1HP-974	Flowserve	E371A-30-3	2252	UTC-1014737	1999	Installed	YES
1HP-981	Flowserve	56BAK	1435	UTC-1074851	2004	Installed	YES
1HP-982	Flowserve	55BAK	1434	UTC-1074850	2004	Installed	YES
1HP-79 Flange Bolting Material	Unknown	Unknown	Unknown	See Sect. 9 on Sheet 4 of 4	UNK	Corrected	NO

7. Description of Work

NSM-13106 AM1 and workorder 98656161 installed two MOV's , 4 manual valves, and two check valves with associated piping and fittings on the HPI system. Bolting material for existing relief valve 1HP-79 was also replaced during this modification. Installed twelve (12) new supports for new piping and components.

8. Test Conducted

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

Pressure 70.2 PSI Test Temperature N.O.T. °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
98656161	2 of 4

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 4/21/2005

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

High Pressure 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 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)
Piping Material	DPCo	None	None	None	2005	Installed	NO
1-51B-435B-H5783 Support	DPCo	None	None	None	2005	Installed	NO
1-51B-435B-H5784 Support	DPCo	None	None	None	2005	Installed	NO
1-51B-435B-H5785 Support	DPCo	None	None	None	2005	Installed	NO
1-51B-435B-H5786 Support	DPCo	None	None	None	2005	Installed	NO
1-51B-435B-H5787 Support	DPCo	None	None	None	2005	Installed	NO
1-51B-435B-H5788 Support	DPCo	None	None	None	2005	Installed	NO
1-51B-435B-H5789 Support	DPCo	None	None	None	2005	Installed	NO
1-51B-435B-H5790 Support	DPCo	None	None	None	2005	Installed	NO
1-51B-435B-H5791 Support	DPCo	None	None	None	2005	Installed	NO

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98656161	3 of 4

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 4/21/2005

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

High Pressure Injection, ASME Class 2

5.

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

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

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1-51B-435B-H5792 Support	DPCo	None	None	None	2005	Installed	NO
1-51B-435B-H5793 Support	DPCo	None	None	None	2005	Installed	NO
1-51B-435B-H5794 Support	DPCo	None	None	None	2005	Installed	NO

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98656161	4 of 4

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

❶ Bolting for relief valve 1HP-79 - 5/8" SA193, Gr B7 thrd rod (UTC-1074195) and SA194, Gr 2H nuts (UTC-1071271)

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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 W. D. Davis Mech. IA Date 5/5/05

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 11-1-04 to 5-6-05, 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 1444 NIAB

National Board, State, Province, and Endorsements

Date 5-6-05

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
98656161	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 4/27/2005

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

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)
HPI piping	DPCo	None	None	None	Unk	Corrected	NO

7. Description of Work

NSM-13106 - Portion of piping connected to LDST was re-rated from 100 psig to 150 psig. The system operating pressure was not changed and no components were replaced. Existing components were evaluated for acceptability.

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
98656161	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 W. B. Davis Mech. IA Date 5/2/05

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 11-1-04 to 5-6-05, 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 5-6-05

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
98624201 - 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 4/30/2005

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

Low Pressure Service Water, ASME Class 2

5.

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

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

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Hanger 1-14B-O-479A-H1	DPC	None	None	None	UNK	Corrected	NO

7. Description of Work

Hanger was identified to have a damaged U-bolt and undersize welds. It was decided to replace the U-bolt while it was still functional.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other QAF-18

Pressure _____ PSI Test Temperature _____ °F

TR

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
98624201 - 01	2 of 2

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

❶ Replaced 2 U-bolts, hex nuts and hardened washers and made weld repairs to undersize welds.

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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 4/30/2005

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 1-21-05 to 5-5-05, 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 1444 NIAB L

National Board, State, Province, and Endorsements

Date 5-5-05

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
98624201 - 02	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 4/30/2005

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

Low Pressure Service Water, ASME Class 2

5.

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

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

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Hanger 1-14-O-479A-H2	DPC	None	None	None	UNK	Corrected	NO

7. Description of Work

Hanger was identified to have inadequate gap under U-bolt. It was decided to replace the U-bolt to achieve proper gap.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other QAF-18

Pressure _____ PSI Test Temperature _____ °F

TR

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
98624201 - 02	2 of 2

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

❶ Replaced 2 U-bolts (1/2") , hex nuts and hardened 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 Basil W. Carney Senior Engineer Date 4/30/2005

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 1-21-05 to 5-5-05 , 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 1444 NIABC

National Board, State, Province, and Endorsements

Date 5-5-05

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
98624201 - 03	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 4/30/2005

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

Low Pressure Service Water, ASME Class 2

5.

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

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

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Hanger 1-14-O-479A-H3	DPC	None	None	None	UNK	Corrected	NO

7. Description of Work

Hanger was identified to have inadequate gap under U-bolt. It was decided to replace the U-bolt to achieve proper gap.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other QAF-18

Pressure _____ PSI Test Temperature _____ °F

TR

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
98624201 - 03	2 of 2

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

❶ Replaced 2 U-bolts (1/2") , hex nuts and hardened 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 Basil W. Campbell Senior Engineer Date 4/30/2005

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 1-21-05 to 5-5-05 , 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 5-5-05

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
98624201 - 04	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 4/30/2005

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

Low Pressure Service Water, ASME Class 2

5.

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

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

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Hanger 1-14B-O-479A-H4	DPC	None	None	None	UNK	Corrected	NO

7. Description of Work

Hanger was identified to have inadequate gap under U-bolt and undersize welds. It was decided to replace the U-bolt to achieve proper gap.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other QAF-18

Pressure _____ PSI Test Temperature _____ °F

TR

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
98624201 - 04	2 of 2

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

❶ Replaced 2 U-bolts (1/2") , hex nuts and hardened washers, and made weld repairs to undersize welds.

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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. Cuny Jr. Senior Engineer Date 4/30/2005

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 1-21-05 to 5-5-05 , 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 1444 NIABC

National Board, State, Province, and Endorsements

Date 5-5-05

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
98623111 - 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 4/27/2005

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

Low Pressure Service Water 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 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)
3 inch piping components	DPC	None	None	None	2005	Installed	NO

7. Description of Work

Replace existing pipe to cooler flanges due to pitting and elbows to facilitate replacement of the flanges. The seating surface of the flanges have been inspected and it was determined that the flange face was pitted and required replacing. Replaced 6 flanges and 2 elbows.

8. Test Conducted

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

Pressure 120 PSI Test Temperature 65 °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
98623111 - 01	2 of 2

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

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed Basil W. Carney, Jr. Senior Engineer Date 4/28/2005

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 10-24-03 to 5-5-05, 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 1444 NIABC

National Board, State, Province, and Endorsements

Date 5-5-05

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
98656161	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 4/19/2005

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

Low 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)
1LP-193	Flowserve	52BAK	1431	UTC1074847	2004	Installed	YES
1LP-194	Flowserve	54BAK	1433	UTC1074849	2004	Installed	YES
Piping	DPCo	None	None	None	2005	Installed	NO
Support 1-51B-435B-H5795	DPCo	None	None	None	2005	Installed	NO
Support 1-51B-435B-H5796	DPCo	None	None	None	2005	Installed	NO
Support 1-51B-435B-H5797	DPCo	None	None	None	2005	Installed	NO
Support 1-51B-435B-H5798	DPCo	None	None	None	2005	Installed	NO

7. Description of Work

NSM-13106AM1 and workorder 98656161 installed two new manual valves in the LPI system. Associated piping and fittings were also installed. Installed four (4) new support restraints on new piping.

8. Test Conducted

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

Pressure 75 (min) PSI Test Temperature N.O.T °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
98656161	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 W. B. Davis Mech. IA Date 5/05/05

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 12-26-04 to 5-5-05, 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 1444 NIRBC

National Board, State, Province, and Endorsements

Date 5/6/05

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
98721455-01	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 4/24/2005

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

High Pressure injection , ASME Class 2

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 ____ Edition, ____ 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)
1HP-65	Control Components Inc.	708831-1-3	none	N/A	UNK	Corrected	YES

7. Description of Work

Valve Assembly was installed as preventive maintenance.

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
98721455-01	2 of 2

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

10 JRK 4/28/05

❶ Valve assembly for IHP-65, UTC # 1078124, serial number 227953-~~01~~-2, installed.

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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 4/24/2005

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 4/13/05 to 4-28-05, 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 5/5/05

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
98693300 - 3	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 4/26/2005

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

High Pressure Injection, ASME Class 2

5.

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

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

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1 HP 242	Borg Warner	Can not read	Can not read	None	UNK	Corrected	YES

7. Description of Work

Check valve 1 HP 242 was seal weld closed after attempts to disassemble did not work.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other PT & Leak 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
98693300 - 3	2 of 2

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

❶ Valve 1 HP 242 is a Borg-Warner stop check valve with a seal weld at the body to bonnet joint. Weld filler material SFA-5.9, ER308 was used to make this weld. Reference Code Interpretation XI-1-83-28R, Vol.26.

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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 Baird W. Cary Senior Engineer Date 4/26/2005

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 4-19-05 to 5-4-05, 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 1444 NIABC

National Board, State, Province, and Endorsements

Date 5-4-05

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
98666145-01	1 of 3

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 4/27/2005

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 B31.7 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) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1LPSW-565	BNL Ind.	A950301-1-15		Class 2	1999	Removed	NO
1LPSW-566	BNL Ind.	A990205-1-9		Class 2	1999	Removed	NO
1LPSW-1054	Velan	42025		UTC 1074111	2003	Installed	YES
1LPSW-1055	Velan	42020		UTC 1072430	2003	Installed	YES
1LPSW-1058	Flowserve	AV-910	1262	UTC 1069163	2003	Installed	YES
1LPSW-1059	Flowserve	AV-911	1263	UTC 1069164	2003	Installed	YES
1LPSW-1061	Velan	42054		UTC 1074011	2004	Installed	YES
1LPSW-1062	Velan	42042		UTC 1074113	2004	Installed	YES

7. Description of Work

NSM ON-13107 Part BM1 modified LPSW piping to disconnect RB Aux Coolers from 1B RBCU LPSW headers and establish supply & return lines to main LPSW headers.

8. Test Conducted

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

Pressure 194 PSI Test Temperature 60 °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98666145-01	2 of 3

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 4/27/2005

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 B31.7 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) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
Piping	DPCo.	NONE	NONE	NONE		Removed	NO
1) Piping	DPCo.	NONE	NONE	NONE	2005	Installed	NO
1-14B-439A-H5773	DPCo.	NONE	NONE	NONE	2005	Installed	NO
14-0-479A-H20E	DPCo.	NONE	NONE	NONE	2005	Corrected	NO

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98666145-01	3 of 3

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

❶ 6" - Pipe, Elbows, Flanges, (48) 3/4"nuts, 3/4"threaded Rod, 1/2"nuts, 1/2"threaded rod

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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 Tony E Hughes Technical Specialist II Date 5-2-05

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 1-12-05 to 5-3-05, 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 1444 NIBSL

National Board, State, Province, and Endorsements

Date 5-4-05

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
98703546	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 4/19/2005

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

Low Pressure Injection, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 ~~68~~ 69 WGD 5/3/05 Edition, ~~06/68~~ NO WGD 5/3/05 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)
1LPIFE0005 Flanges	UNK	NONE	NONE	NONE	UNK	CORRECTED	NO

7. Description of Work

Modification ONOE-18851 and workorder 98703546 replaced orifice plate 1LPIFE0005 including flange bolting material and gaskets.

8. Test Conducted

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

Pressure 200 PSI Test Temperature 200 °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
98703546	2 of 2

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

❶ Replaced (16) 1" X 7 5/8" long studs SA193 B7 - UTC 1074196

❷ Replaced (32) 1"Nuts SA194 2H - UTC 1071274

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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 W. D. Davis Mech. IA Date 4/19/05

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 2-21-05 to 5-3-05, 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 5-4-05

Enclosure 8.2 - VERIFICATION OF ACCEPTABILITY/SUITABILITY EVALUATION

Prior to returning an item to service, the suitability of repair/replaced items shall be evaluated. Like items may be grouped together or use as many additional sheets as needed.	Work Order Number: 98703546

ITEM	1" Studs,8UNC-2A,SA-193,B-7	ID or Serial Number	SC 297415
ITEM	1" Nuts,8UNC-2B,SA-194,2H	ID or Serial Number	SC 131798
ITEM		ID or Serial Number	

Explain why the Repair/Replacement was required:

Flange studs and nuts replaced during 1LPIFE0005 orifice changeout per Minor Modification ONOE-18851. Replaced 16 studs and 32 nuts.

Has the item(s) undergoing Repair/Replacement (listed above) been evaluated for the anticipated service conditions and design parameters? YES ☒ NO ☐

What type of Repair/Replacement activity will be performed? *(Check all that apply)*

☐ A.) Repair by welding (no replacement parts)
☒ B.) Replace an existing item
☐ C.) Add a new item to an existing system
☐ D.) Add a new system

IF either A or B is checked, proceed to next question. Otherwise skip down to signature block

Is the intended life of the new item LESS THAN the remainder of the design life of the old item?
YES ☐ NO ☒

IF YES, notify the Component or System Engineer to review PM Action Tracking to require action prior to the end of the intended life.

Person Notified _____

Is this Repair/Replacement due to either a design or specification deficiency? YES ☐ NO ☒

IF YES, verify PIP or MOD written to correct:

Number _____

Was there a failure or significant degradation of the old item? YES ☐ NO ☒

IF NO, was there any degradation, premature wear or does the old item have a history of multiple repairs or replacements? YES ☐ NO ☒

IF YES, What was the cause of this failure or condition?

IF YES, What is the corrective action being taken to remedy this failure or condition?

Sign below and include this sheet in Traveler Package with the W/O.

Completed By: MGwing 14-6-05 Reviewed By: [signature] 4-6-05

Enclosure 8.3 - RECONCILIATION REPORT

Prior to returning an item to service, any differences in Code year and Specifications (design, material, weight, etc) shall be reconciled. Like items may be grouped together or use as many additional sheets as needed.	Work Order Number: 98703546

ITEM	1" Studs,8UNC-2A,SA-193,B-7	ID or Serial Number	SC 297415
ITEM	1" Nuts,8UNC-2B,SA-194,2H	ID or Serial Number	SC 131798
ITEM		ID or Serial Number	

For any box checked **"YES"**, complete reconciliation evaluation below:

Components (pumps, vessels, complete piping systems)	YES	NO	N/A
Owner Requirements- Any deviations from Design Spec? N/A	☐	☐	☒
Code Design Requirements- Any deviations? *(see instructions)*	☐	☐	☒
Material Requirements- Any changes from original component?	☐	☐	☒
Valves, Flanged Components, Materials, Pressure Boundary Parts, Other	YES	NO	N/A
Owner Requirements- Any deviations from Design Spec? N/A	☐	☐	☒
Code Design Requirements- Any deviations? *(see instructions)*	☐	☐	☒
Material Requirements- Item listed in Reedy Report Table 5-1 or 5-2?	☐	☐	☒
Piping, Fittings, Flanges, Flange Bolting, etc from ONS Pipe Spec	YES	NO	N/A
Owner Requirements- Any deviations from Design Spec? OS-0243.00-00-0001	☐	☒	☐
Code Design Requirements- Any deviations? *(see instructions)*	☐	☒	☐
Material Requirements- Item listed in Reedy Report Table 5-1 or 5-2?	☐	☒	☐
Supports	YES	NO	N/A
Owner Requirements- Any deviations from Design Spec? N/A	☐	☐	☒

Evaluation for **any** deviations or **any** boxes checked **"YES"** above:

Sign below and include this sheet in Traveler Package with the W/O

Completed By: MTurrin 14-6-05 Reviewed By: JLHumm 10/06/05

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
98694419-16	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 4/21/2005

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

High Pressure Injection - High Pressure Portion, 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)
Snubber 51A-0-479A-H1E	Grinnell	18798	N/A	N/A	UNK	Removed	NO
Snubber 51A-0-479A-H1E	Anvil	35406	N/A	N/A	UNK	Installed	NO

7. Description of Work

Replaced existing New Miller cylinder with a Anvil Config. A.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional 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
98694419-~~08~~ 16 BWC	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 [signature], Senior Eng. Date 4/27/05

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 11-9-04 to 5-3-05, 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 NC 1444 NBBC

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

Date 5/3/05

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
98694419-01	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 4/21/2005

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

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)
New Miller Cylinder on Snubber 50-0-480A-H11	New Miller	74355669-867	N/A	N/A	UNK	Removed	NO
Hydraulic snubber upgrade kit	Anvil	36042	N/A	N/A	UNK	Installed	NO
Hydraulic snubber seal kit	Anvil	N/A	N/A	N/A	UNK	Installed	NO

7. Description of Work

Replaced existing New Miller cylinder with a Anvil Config. A.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional 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
98694419-01	2 of 2

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

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed [illegible], Senior Eng. Date 4/27/05

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 11-9-04 to 5-3-05, 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 5-3-05

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
98694419-10	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 4/21/2005

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

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)
New Miller Cylinder on Snubber 50-0-479A-H1A	New Miller	7612490-292	N/A	N/A	UNK	Removed	NO
Hydraulic snubber upgrade kit	Anvil	36036	N/A	N/A	UNK	Installed	NO
Hydraulic snubber seal kit	Anvil	N/A	N/A	N/A	UNK	Installed	NO

7. Description of Work

Replaced existing New Miller cylinder with a Anvil Config. A.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional 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
98694419-10	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 [illegible], Senior Eng. Date 4/27/05

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 11-9-04 to 5-3-05, 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.

[illegible] Commissions NC 1444 NIAOC

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

Date 5-3-05

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
98694419-05	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 4/21/2005

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

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)
New Miller Cylinder on Snubber 01A-0-481B-H10B	New Miller	76135959-5	N/A	N/A	UNK	Removed	NO
Hydraulic snubber upgrade kit	Anvil	36026	N/A	N/A	UNK	Installed	NO
Hydraulic snubber seal kit	Anvil	N/A	N/A	N/A	UNK	Installed	NO

7. Description of Work

Replaced existing New Miller cylinder with a Anvil Config. A.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional 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
98694419-05	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 [illegible], Senior Eng. Date 4/27/05

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 11-9-05 to 5-3-05, 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.

[illegible] Commissions NC1444/NBC

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

Date 5-3-05

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
98694419-08	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 4/21/2005

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

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)
Snubber 1-01A-0-481B-H12B	Grinnell	16201	N/A	N/A	UNK	Removed	NO
Snubber 1-01A-0-481B-H12B	Anvil	35032	N/A	N/A	UNK	Installed	NO

7. Description of Work

Replaced existing New Miller cylinder with a Anvil Config. A.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional 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
98694419-08	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 [illegible], Senior Eng. Date 4/27/05

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 11-9-04 to 5-3-05, 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.

[illegible] Commissions NC1444 NBIBC

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

Date 5/3/05

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
98694419-07	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 - 1
		Date 4/21/2005

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

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)
New Miller Cylinder on Snubber 01A-0-481B-H11B	New Miller	UNK	N/A	N/A	UNK	Removed	NO
Hydraulic snubber upgrade kit	Anvil	36029	N/A	N/A	UNK	Installed	NO
Hydraulic snubber seal kit	Anvil	N/A	N/A	N/A	UNK	Installed	NO

7. Description of Work

Replaced existing New Miller cylinder with a Anvil Config. A.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional 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
98694419-07	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 [illegible], Senior Eng. Date 4/27/05

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 11-9-04 to 5-3-05, 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.

[illegible] Commissions NC 1444 NIABC

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

Date 5-3-05

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
98694419 - 19	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 4/25/2005

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

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)
1 MS HS 21601A	ITT Grinnell	18588	None	None	UNK	Removed	NO
1 MS HS 21601A	Anvil	35943	None	None	UNK	Installed	NO

7. Description of Work

Snubber 1-01A-O-550-R12(A) was remove to be upgraded to a 'Configuration A' but after the snubber was removed it was decided to just replace the snubber at this time and perform the upgrade later.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Visual(configuration)

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
98694419 - 19	2 of 2

). 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 Senior Engineer Date 4/26/2005

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 11-9-04 to 5-2-05, 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 NB 10861

National Board, State, Province, and Endorsements

Date 5-3-05

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
98646817 - 1	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 4/26/2005

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

High Pressure Injection, ASME Class 2

5.

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

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

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
1 1/2 inch Pipe SA 376 TP304	DPC	None	None	None	2005	Installed	NO

7. Description of Work

Relocate valve 1 HP-250 to permit future maintenance on this valve. To aid in the relocatiion process the pipe on each end of this valve was replaced.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other VT-2 Leak 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
98646817 - 1	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. Cam Senior Engineer Date 4/26/2005

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 11/17/04 to 4/25/05, 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 4/27/05

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
98721454-01	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 4/24/2005

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

High Pressure injection , ASME Class 2

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 ____ Edition, ____ 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)
1HP-64	Control Components Inc.	708831-1-2	none	N/A	UNK	Corrected	YES

7. Description of Work

Valve Assembly was installed as preventive maintenance.

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
98721454-01	2 of 2

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

10 SIH 4/28/05

❶ Valve assembly for 1HP-64, UTC # 1070750, serial number 227953, ~~01~~-1, installed.

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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 4/24/2005

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 4/13/05 to 4/29/05, 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.

Honey C Ritchie Slaughter Commissions NC1169ABNI

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

Date 4/29/05

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
98640356-01	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 4/26/2005

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

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)
Valve, 1RC-205	KSB	700	990	stock code 321127	1998	Removed	NO
❶Valve,1RC-205	KSB	014606/1/8	1105	stock code 321127	2000	Installed	NO
❷Tube to Pipe Connector	Swagelok	none	none	part number SS-810-1-8W	UNK	Installed	NO

7. Description of Work

Replaced valve with like for like replacement along with a tube to pipe connector.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98640356-01	2 of 2

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

❶ Replaced valve 1RC-205 with a like for like. Valve item number DMV-789, stock code: 321127, UTC #: 1028160.

❷ Installed Pipe to Tube Connector. Stock code: 276906, UTC #: 1003951.

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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 4-26-05

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 1-25-05 to 4-28-05, 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

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

Date 4/28/05

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
98721457-01	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 4/24/2005

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

High Pressure injection , ASME Class 2

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 ____ Edition, ____ 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)
1HP-67	Control Components Inc.	708831-1-10	none	N/A	UNK	Corrected	YES

7. Description of Work

Valve Assembly was installed as preventive maintenance.

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
98721457-01	2 of 2

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

❶ Valve assembly for 1HP-67, UTC # 1073945, serial number 225245-020-1, installed.

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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 4/24/2005

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 4/13/05 to 4/28/05, 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 NC1169ABNI

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

Date 4/28/05

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
98714300-09	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 4/5/2005

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

Low 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 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)
1LPIFE0004	Bailey Meter	UNK	None	None	UNK	Removed	NO
❶ 1LPIFE0004	DPCo	DPC0007	None	UTC 1067429	UNK	Installed	NO

7. Description of Work

Modification ONOE-18851 replaced orifice 1LPIFE0004 including flange bolting and gaskets in Low Pressure Injection piping.

8. Test Conducted

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

Pressure 200 PSI Test Temperature 200 °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
HM 98714300 ~~98671111~~	2 of 2

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

HM 4-6-05

❶ Replaced (16) 1",7-5/8" long studs UTC 10741956 & (32) 1" nuts, UTC 1071274, on 10" flange at 1LPIFE0004

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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 M Bunn, Engineer Date 4-5-05

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 2-21-05 to 4-6-05, 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 4-11-05

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
98672635	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 4/5/2005

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

Low Pressure Injection (LPI) , 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)
1B LPI Cooler (1)	Atlas Industrial Manufacturing	885	735	Tag 1LP-C1B	1969	Corrected	YES

7. Description of Work

Preventative maintenance eddy current testing of the 1B LPI Cooler tubing required disassembly/reassembly of the cooler channel head end cover. Some of the end cover bolting material (1-1/4 inch dia. nuts) required replacement due to surface degradation.

8. Test Conducted

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

Pressure _____ PSI Test Temperature _____ °F

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98672635	2 of 2

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

❶ Replaced 20 1-1/4 inch diameter nuts on the 1B LPI Cooler end cover (UTC # 0001067845, Stock Code # 131861)

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization Number Not Applicable Expiration Date Not Applicable

Signed James H Patton Date April 5, 2005

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 4/25/05 to 4/27/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Nancy C Ritchie Slaughter Commissions NC1169ABNI

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

Date 4/27/05

Enclosure 8.2 - VERIFICATION OF ACCEPTABILITY/SUITABILITY EVALUATION

Prior to returning an item to service, the suitability of repair/replaced items shall be evaluated. Like items may be grouped together or use as many additional sheets as needed.	Work Order Number: 98672635

ITEM 1-1/4-inch 8-UN-2B nut, Stock Code 131861, UTC # 0001067845 — ID or Serial Number _____
ITEM _____ — ID or Serial Number _____
ITEM _____ — ID or Serial Number _____

Explain why the Repair/Replacement was required:
Nuts were corroded/damaged such that reuse was not desired and/or material markings were illegible and therefore rejected by QC.

Has the item(s) undergoing Repair/Replacement (listed above) been evaluated for the anticipated service conditions and design parameters? YES ☒ NO ☐

What type of Repair/Replacement activity will be performed? *(Check all that apply)*

☐ A.) Repair by welding (no replacement parts)
☒ B.) Replace an existing item
☐ C.) Add a new item to an existing system
☐ D.) Add a new system

IF either A or B is checked, proceed to next question. Otherwise skip down to signature block

Is the intended life of the new item LESS THAN the remainder of the design life of the old item?
YES ☐ NO ☒

IF YES, notify the Component or System Engineer to review PM Action Tracking to require action prior to the end of the intended life.
Person Notified _____

Is this Repair/Replacement due to either a design or specification deficiency? YES ☐ NO ☒

IF YES, verify PIP or MOD written to correct:
Number _____

Was there a failure or significant degradation of the old item? YES ☐ NO ☒

IF NO, was there any degradation, premature wear or does the old item have a history of multiple repairs or replacements? YES ☐ NO ☒

IF YES, What was the cause of this failure or condition? There was no failure. This is no significant history of LPI Cooler channel head cover bolting material degradation that raises concern for use of the current nut material in this application. As-found condition of the nuts was no more degraded than what might reasonably be expected.

IF YES, What is the corrective action being taken to remedy this failure or condition? No corrective action is required.

Sign below and include this sheet in Traveler Package with the W/O

Completed By: James H Batton 4/5/05 Reviewed By: UA

Enclosure 8.3 - RECONCILIATION REPORT

Prior to returning an item to service, any differences in Code year and Specifications (design, material, weight, etc) shall be reconciled. Like items may be grouped together or use as many additional sheets as needed.	Work Order Number: 98672635

ITEM 1-1/4-inch nut, Stock Code 131861, UTC # 0001067845 — ID or Serial Number _____
ITEM _____ — ID or Serial Number _____
ITEM _____ — ID or Serial Number _____

For any box checked **"YES"**, complete reconciliation evaluation below:

Components (pumps, vessels, complete piping systems)	YES	NO	N/A
Owner Requirements- Any deviations from Design Spec? List Spec No. here or N/A	☐	☐	☒
Code Design Requirements- Any deviations? *(see instructions)*	☐	☐	☒
Material Requirements- Any changes from original component?	☐	☐	☒
Valves, Flanged Components, Materials, Pressure Boundary Parts, Other	YES	NO	N/A
Owner Requirements- Any deviations from Design Spec? List Spec No. here or N/A	☐	☐	☒
Code Design Requirements- Any deviations? *(see instructions)*	☐	☐	☒
Material Requirements- Item listed in Reedy Report Table 5-1 or 5-2?	☐	☐	☒
Piping, Fittings, Flanges, Flange Bolting, etc from ONS Pipe Spec	YES	NO	N/A
Owner Requirements- Any deviations from Design Spec? OS-0243.00-00-0001	☐	☒	☐
Code Design Requirements- Any deviations? *(see instructions)*	☐	☒	☐
Material Requirements- Item listed in Reedy Report Table 5-1 or 5-2?	☐	☒	☐
Supports	YES	NO	N/A
Owner Requirements- Any deviations from Design Spec? OS-0027.00-00-0001	☐	☐	☒

Evaluation for any deviations or any boxes checked **"YES"** above:

No deviations. The LPI Cooler manufacturer's drawing (OM 201-286) identifies SA-194 Gr 2H nuts as the original bolting material for this component. The ONS Pipe Specification, OS-243.00-00-0001, Appendix E, Table E1, identifies that SA194 Gr 7 may be substituted for Grade 2H. A review of the Reedy Report shows that there have been no changes in the material property requirements for SA194 since 1969, the year of manufacturer of the 1B LPI Cooler.

Sign below and include this sheet in Traveler Package with the W/O

Completed By: James H Patton 4/5/05 Reviewed By: NA BNC /

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 3-24-04

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 # 98583602-46
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 # NA

4. Identification of System LOW PRESSURE SERVICE WATER Class 2

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, NA Addenda, NA 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	BOLTING	NA	NA	NA	NA	7/73	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
B							☐ 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

Form NIS-2 (Back)

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

7. Description of Work • REPLACED 16-5/8X5" STUDS & 32-5/8 NUTS ON UPPER & LOWER AIR COOLER INLET & OUTLET FLAN ON 1B1 R.C. PUMP. • REPLACED 8-5/8 X5" STUDS & 16 NUTS 5/8 ON UPPER BEARING OIL COOLER ON INLET & OUTLET - Co BEL

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 FLANGES ON 1B1 R.C. PUMP.

(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 A. L. Blackburn QA TECH. SPEC Date 3-24-04
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 HSB CT have inspected the components described in this Owner's Report during the period 3/25/04 to 3/25/04; 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.

Nonny Ritchie Slaughter Commissions NC1169 AB NI
Inspector's Signature National Board, State, Providence and Endorsements

Date 3/25/04

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
98656161	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 4/26/2005

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

Liquid Waste Disposal 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 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)
1LWD-99	Velan	UNK	UNK	None	UNK	Removed	NO
1LWD-103	Velan	UNK	UNK	None	UNK	Removed	NO
1LWD-99	Flowserve	51BAK	1430	UTC-1074726	2004	Installed	YES
1LWD-103	Flowserve	53BAK	1432	UTC-1074848	2004	Installed	YES
❶Piping	DPCo	None	None	None	Unk	Corrected	NO
Piping	DPCo	None	None	None	2005	Installed	YES

7. Description of Work

NSM-ON-13106, Piping and valves in downstream of Penetration 40 upgraded from Class 3 to Class 2. In addition, new piping is routed to new HPI piping.

8. Test Conducted

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

Pressure 65 PSI Test Temperature N.O.T. °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
98656161	2 of 2

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

❶ Portion of LWD piping was removed with valves to upgrade piping to Class 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 W. B. Davis Mech. IA Date 5/2/05

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 11-1-04 to 5-2-05, 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 5-2-05

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
98640356 - 08	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 5/10/2005

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

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)
Tubing between 1RC-205 & orifice assembly	DPC	None	None	None	2005	Installed	NO

7. Description of Work

Tubing and compression fittings between 1RC-205 and the orifice assembly was replaced

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ Other Functional Leak Ck.

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
98640356 - 08	2 of 2

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

❶ About 5 feet of ½ inch stainless steel SA 213 TP304, UTC # 1074683, HT # 500445 and 2 Swagelok tube unions, ½ inch stainless steel SA 479 Grade 316, UTC # 1074988, Part # SS-810-6 were replaced.

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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. Carey II Senior Engineer Date 5/11/2005

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 5-10-05 to 5-31-05, 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 NIRBC

National Board, State, Province, and Endorsements

Date 6/1/05

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
98724355-07	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 - 1
		Date 5/2/2005

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

Steam Generator - Reactor Coolant System, Feedwater System , 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)
Steam Generator, Inspection Port Diaphragm (1)	B&W Canada	006K02	206	NONE	2003	Corrected	YES

7. Description of Work

placement of 1B Steam Generator secondary side Inspection Port diaphragm.

8. Test Conducted

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

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
98693918	1 of 3

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 5/9/2005

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

Steam Generator Flush & Drains, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 68 Edition, 06/68 Addenda, No Code Case

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

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
04A-0-478A-H26A (1)	DPCO	None	None	None	2005	Installed	NO
04A-0-479A-H27A	DPCO	None	None	None	2005	Removed	NO
04A-0-478A-H24B (1)	DPCO	None	None	None	2005	Installed	NO
04A-0-478A-H25A (1)	DPCO	None	None	None	2005	Installed	NO

7. Description of Work

OE-100018, Modify 5 piping supports.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑ Other STRUCTURAL INSPN.

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
98693918	2 of 3

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 5/9/2005

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

Drains, Reactor Building Components, ASME Class 2

5.

(a) Applicable Construction Code: USAS B31.7 19 68 Edition, 06/68 Addenda, No Code Case

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

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes / No)
59-0-478A-H27 (1)	DPCO	None	None	None	2005	Installed	NO

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

As required by the provisions of the ASME Code Section XI

Work Order Number	Sheet
98693918	3 of 3

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

❶ Modified supports by adding structural steel elements

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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 Martin Hemphill Martin Hemphill, Engineer Date 5/9/2005

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 11-17-04 to 5-9-05, 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 NIASC

National Board, State, Province, and Endorsements

Date 5/9/05

STEAM GENERATOR PRESERVICE WELD EXAMINATION

Modification Package No.	Work Package No.	Work Order No.	Field Weld No.	ISI Class	Preservice NDE
ON 13086 AM1	13080A	98513884	1MS-0074-15V R2	2	VT, MT, RT, UT
ON 13086 AM1	13080A	98513884	1MS-0074-16V R1	2	VT, MT, RT, UT
ON 13086 AM1	13080A	98513884	1MS-0076-12V R4	2	VT, MT, RT, UT
ON 13086 AM1	13080A	98513884	1MS-0076-13V	2	VT, MT, RT, UT
ON 13086 AM1	13080B	98513915	1MS-0068-35V R3	2	VT, MT, RT, UT
ON 13086 AM1	13080B	98513915	1MS-0068-36V R2	2	VT, MT, RT, UT
ON 13086 AM1	13080B	98513915	1MS-0069-35V R2	2	VT, MT, RT, UT
ON 13086 AM1	13080B	98513915	1MS-0069-36V R1	2	VT, MT, RT, UT
ON 13086 AM2	13085A	98513919	1FDW-0250-67V R2	2	VT, MT, RT, UT
ON 13086 AM2	13085A	98513919	1FDW-0250-69V	2	VT, MT, RT, UT
ON 13086 AM2	13085A	98513919	1FDW-0250-72V	2	VT, MT, RT, UT
ON 13086 AM2	13085A	98513919	1FDW-0250-74V R3	2	VT, MT, RT, UT
ON 13086 AM2	13085B	98513922	1FDW-0249-68V	2	VT, MT, RT, UT
ON 13086 AM2	13085B	98513922	1FDW-0249-70V	2	VT, MT, RT, UT
ON 13086 AM2	13085B	98513922	1FDW-0249-73V	2	VT, MT, RT, UT
ON 13086 AM2	13085B	98513922	1FDW-0249-75V	2	VT, MT, RT, UT
ON 13086 AM3	13075A	98513924	1FDW-0207-85V R1	3	VT, MT, RT
ON 13086 AM3	13075A	98513924	1FDW-0207-86V R3	2	VT, MT, RT, UT

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STEAM GENERATOR PRESERVICE WELD EXAMINATION

Modification Package No.	Work Package No.	Work Order No.	Field Weld No.	ISI Class	Preservice NDE
ON 13086 AM3	13075A	98513924	1FDW-0207-87V R1	3	VT, MT, RT
ON 13086 AM3	13075A	98513924	1FDW-0207-88V R1	2	VT, MT, RT
ON 13086 AM3	13075B	98513925	1FDW-0182-23V R1	2	VT, MT, RT, UT
ON 13086 AM3	13075B	98513925	1FDW-0182-24V	2	VT, MT, RT, UT
ON 13086 AM4	13065A	98513935	1RC-289-5V	1	VT, MT, RT, UT
ON 13086 AM4	13065A	98513935	1RC-289-6V	1	VT, MT, RT, UT
ON 13086 AM4	13065A	98513935	1RC-289-7V	1	VT, MT, RT, UT
ON 13086 AM4	13065A	98513935	1RC-289-8V	1	VT, MT, RT, UT
ON 13086 AM4	13065B	98514007	1RC-289-1V	1	VT, MT, RT, UT
ON 13086 AM4	13065B	98514007	1RC-289-2V	1	VT, MT, RT, UT
ON 13086 AM4	13065B	98514007	1RC-289-3V	1	VT, MT, RT, UT
ON 13086 AM4	13065B	98514007	1RC-289-4V	1	VT, MT, RT, UT
ON 13086 AM5	13522A	98514043	1FDW-0173-26V	2	VT, RT
ON 13086 AM5	13522A	98514043	1FDW-0174-49V R1	2	VT, RT
ON 13086 AM5	13522A	98514043	1FDW-0174-56V	2	VT, RT
ON 13086 AM5	13522A	98514043	1FDW-0244-234V	2	VT, RT
ON 13086 AM5	13522A	98514043	1FDW-0264-233V	2	VT, RT
ON 13086 AM5	13522A	98514043	1FDW-0264-238V	2	VT, RT

STEAM GENERATOR PRESERVICE WELD EXAMINATION

Modification Package No.	Work Package No.	Work Order No.	Field Weld No.	ISI Class	Preservice NDE
ON 13086 AM5	13522B	98514046	1FDW-0169-67V	2	VT, RT
ON 13086 AM5	13522B	98514046	1FDW-0169-68V	2	VT, RT
ON 13086 AM5	13522B	98514046	1FDW-0171-54V R1	2	VT, RT
ON 13086 AM5	13522B	98514046	1FDW-0172-32V R1	2	VT, RT
ON 13086 AM5	13522B	98514046	1FDW-0172-37V	2	VT, RT

Date: 05/10/05

Sheet: 1 of 1

TO: ONS ISIM Plan Manager

FROM: ONS QA Tech. Support

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

As required by ASME Section XI 1998 Edition with 2000 addenda. Pre-service examinations were performed on ISI Class 1 & 2 welds made during the U1EOC22 outage timeframe. The following is a list of the welds that received pre-service examinations during this outage timeframe.

WORK ORDER NUMBER	WELD NUMBER	ISI CLASS	INSPECTION TYPE			
			MT	PT	RT	UT
98656161	1HP-0468 - 4, 5, 7, 6, 8, 9, 10, 11, 12 13, 14, 15, 16, 17, 18, 19, 20, 21 & 22	2		X		
98656161	1HP-0469 - 1, 2, 3, 4, 5, 10, 11, 12, &15	2		X		
98656161	1HP-0470 - 1, 2, 3, 4, 5, 10, 11, 12, & 15	2		X		
98656161	1HP-0471 - 1, 2, 3, 4, 5, 6, 7, 11, &16	2		X		
98656161	1HP-0472 - 1, 2, 3, 4, 5, 6, 7, 11, & 16	2		X		
98666145	1LPS-0746 - 2, 3, 4, 5, 6, 7, 8 & 9	2		X		X
98666145	1LPS-0750 - 1, 2, 3, 4, & 5	2		X		X
98666145	1LPS-0751 - 13, 14, 15, 16, 17, 18, & 19	2		X		X
98666145	1LPS-0753 - 1, 2, 3, 4, & 5	2		X		X

Prepared By: John R. Bryant

6.0 *Pressure Testing*

This is a two-part summary showing a compilation of Class 1 and Class 2 pressure tests conducted from refueling outage EOC-21 through refueling outage EOC-22. The first part of this summary, titled "*Third Period / Third Interval Summary,*" is a completion status for the third period of the third 10-year interval. The second part, titled "*First Period / Fourth Interval Summary,*" is a completion status for the first period of the fourth 10-year interval.

Third Period / Third Interval Summary

Table 6-1 shows the number of the Class 1 pressure tests conducted to fulfill the requirements of the third inspection period of the third 10-year interval. There was no through-wall leakage observed during the pressure test.

Table 6-1

Examination Category	*Test Requirement*	*Total Examinations Credited Since Refueling Outage 21*
B-P	System Hydrostatic Test (IWB-5222)	1[1]

Table 6-2 shows a completion status of pressure tests conducted during the third period of the third ten-year interval

Table 6-2

Examination Category	*Test Requirement*	*Total Examinations Required For This Period*	*Total Examinations Credited For This Period*	*(%) Examinations Complete For This Period*
B-E	System Hydrostatic Test (IWB-5222)	1	1	100%
B-P	System Leakage Test (IWB-5221)	1	1	100%
B-P	System Hydrostatic Test (IWB-5222)	6	1[6]	100%
C-H	System Inservice/Functional Test (IWC-5221)	10	10	100%

[1] Reference Relief Requests Serial No. 04-ON-012 and Serial No. 04-ON-013 for Category B-P Hydrostatic test zones.

The Class 1 (Category B-P) hydrostatic test is required once during each 10-year interval. Table 6-3 shows the completion data of the Class 1 (Category B-P) hydrostatic test conducted during refueling cycle EOC22. This test was for the isolated area between two closed valves and was not part of the Class 1 Leakage Test boundary that is required each refueling outage. Therefore, one test was not conducted to satisfy two different interval requirements.

Table 6-3 Detailed Class 1 Listing			
Zone Number	**Boundary Dwg**	**EOC22 Completion Status**	**EOC22 VT-2 Examination Date**
OZ1H-1A	O-ISIH-101A-1.4	Complete	5/12/2005

First Period / Fourth Interval Summary

This summary is a pressure test completion status for the first period of the fourth ten-year interval. Table 6-4 shows the pressure tests completed from refueling outage EOC-21 through refueling outage EOC-22. There was no through-wall leakage observed during these pressure tests.

Table 6-4		
Examination Category	***Test Requirement***	***Total Examinations Credited For This Outage***
B-P	System Leakage Test (IWB-5220)	1
C-H	System Leakage Test (IWC-5220)	40

Table 6-5 shows a completion status of pressure tests conducted during the first period of the fourth ten-year interval

Table 6-5				
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	1	50%
C-H	System Leakage Test (IWC-5220)	55	40	72.73%

The Class 1 (Category B-P) leakage test is required each refueling outage. Table 6-6 shows the completion data of the Class 1 (Category B-P) leakage test conducted during refueling cycle EOC22.

Table 6-6 Detailed Class 1 Listing

Zone Number	Boundary Dwg	EOC22 Completion Status	EOC22 VT-2 Examination Date	Code Case(s) Used
OZ1L-1A	O-ISIL4-100A-1.1	Complete	5/12/2005	None
	O-ISIL4-100A-1.2	Complete	5/12/2005	None
	O-ISIL4-100A-1.3	Complete	5/12/2005	None
	O-ISIL4-101A-1.1	Complete	5/12/2005	None
	O-ISIL4-101A-1.4	Complete	5/12/2005	None
	O-ISIL4-102A-1.1	Complete	5/12/2005	None
	O-ISIL4-110A-1.1	Complete	5/12/2005	None
	O-ISIL4-110A-1.4	Complete	5/12/2005	None
	O-ISIL4-102A-1.3	Complete	5/12/2005	None
OZ1L-1Z	O-ISIL4-101A-1.4	Complete	5/12/2005	None
OZ1L-1AA	O-ISIL4-101A-1.4	Complete	5/12/2005	None
OZ1L-16	O-ISIL4-101A-1.4	Complete	5/11/2005	None

The Class 2 (Category C-H) leakage tests are required each period. Table 6-7 shows the completion data of the Class 2 (Category C-H) leakage tests conducted during refueling cycle EOC22.

Table 6-7 Detailed Class 2 Listing

	Zone Number	Boundary Dwg	EOC22 Completion Status	EOC22 VT-2 Examination Date	Code Case(s) Used
1	IZ1L-10	O-ISIL4-101A-1.3	Complete	5/3/2005	None
2	IZ1L-11	O-ISIL4-101A-1.3	Complete	5/3/2005	None
3	IZ1L-12	O-ISIL4-101A-1.3	Not Yet Tested	N/A	None
4	IZ1L-13	O-ISIL4-101A-1.3	Not Yet Tested	N/A	None
5	IZ1L-14A	O-ISIL4-101A-1.3	Complete	4/27/2005	None
6	IZ1L-14B	O-ISIL4-101A-1.3	Complete	4/27/2005	None
7	IZ1L-20	O-ISIL4-101A-1.3	Not Yet Tested	N/A	None
8	IZ1L-21	O-ISIL4-104A-1.2	Complete	5/6/2005	None
9	IZ1L-22	O-ISIL4-101A-1.3	Not Yet Tested	N/A	None
		O-ISIL4-102A-1.1	Not Yet Tested	N/A	None
		O-ISIL4-102A-1.2	Not Yet Tested	N/A	None
		O-ISIL4-104A-1.2	Not Yet Tested	N/A	None
10	IZ1L-24	O-ISIL4-102A-1.1	Not Yet Tested	N/A	None
		O-ISIL4-103A-1.1	Not Yet Tested	N/A	None
11	IZ1L-25	O-ISIL4-102A-1.1	Not Yet Tested	N/A	None
		O-ISIL4-103A-1.1	Not Yet Tested	N/A	None
			Not Yet Tested	N/A	None
12	IZ1L-27B	O-ISIL4-102A-1.1	Complete	5/6/2005	None

Table 6-7 Detailed Class 2 Listing					
	Zone Number	Boundary Dwg	EOC22 Completion Status	EOC22 VT-2 Examination Date	Code Case(s) Used
13	IZ1L-4	O-ISIL4-101A-1.1	Not Yet Tested	N/A	None
14	IZ1L-40	O-ISIL4-109A-1.1	Not Yet Tested	N/A	None
15	IZ1L-41	O-ISIL4-109A-1.1	Not Yet Tested	N/A	None
16	IZ1L-48	O-ISIL4-122A-1.1	Not Yet Tested	N/A	None
		O-ISIL4-122A-1.2	Not Yet Tested	N/A	None
		O-ISIL4-122A-1.3	Not Yet Tested	N/A	None
		O-ISIL4-122B-1.1	Not Yet Tested	N/A	None
17	IZ1L-5	O-ISIL4-101A-1.1	Not Yet Tested	N/A	None
		O-ISIL4-101A-1.3	Not Yet Tested	N/A	None
18	OZ1L-14B	O-ISIL4-101A-1.4	Complete	4/27/2005	None
19	OZ1L-15	O-ISIL4-101A-1.4	Complete	5/12/2005	None
20	OZ1L-16	O-ISIL4-101A-1.4	Complete	5/11/2005	None
21	OZ1L-17	O-ISIL4-101A-1.2	Complete	5/11/2005	None
22	OZ1L-17B	O-ISIL4-101A-1.2	Complete	4/27/2005	None
23	OZ1L-18	O-ISIL4-101A-1.2	Complete	5/6/2005	None
24	OZ1L-19A	O-ISIL4-101A-1.5	Complete	4/22/2005	None
		O-ISIL4-104A-1.1	Complete	4/22/2005	None
25	OZ1L-19B	O-ISIL4-101A-1.5	Complete	4/22/2005	None
26	OZ1L-1A	O-ISIL4-101A-1.1	Complete	5/12/2005	None
		O-ISIL4-101A-1.5	Complete	5/12/2005	None
27	OZ1L-2	O-ISIL4-101A-1.1	Complete	5/12/2005	None
28	OZ1L-21	O-ISIL4-102A-1.1	Complete	5/6/2005	None
		O-ISIL4-102A-1.2	Complete	5/6/2005	None
29	OZ1L-23	O-ISIL4-101A-1.2	Complete	5/6/2005	None
		O-ISIL4-102A-1.1	Complete	5/6/2005	None
		O-ISIL4-102A-1.2	Complete	5/6/2005	None
30	OZ1L-26	O-ISIL4-102A-1.2	Partial	5/6/2005	None
31	OZ1L-27A	O-ISIL4-102A-1.2	Not Yet Tested	N/A	None
32	OZ1L-27B	O-ISIL4-102A-1.2	Complete	5/6/2005	None
33	OZ1L-28	O-ISIL4-102A-1.2	Complete	5/6/2005	None
34	OZ1L-29	O-ISIL4-102A-1.2	Complete	5/6/2005	None
35	OZ1L-29A	O-ISIL4-102A-1.2	Complete	5/6/2005	None
		O-ISIL4-102A-1.3	Complete	5/6/2005	None
36	OZ1L-3	O-ISIL4-101A-1.1	Complete	5/12/2005	None
37	OZ1L-30	O-ISIL4-102A-1.2	Complete	5/6/2005	None
38	OZ1L-30A	O-ISIL4-102A-1.2	Complete	5/6/2005	None
		O-ISIL4-102A-1.3	Complete	5/6/2005	None
39	OZ1L-31A	O-ISIL4-102A-1.3	Complete	4/9/2005	None
40	OZ1L-31B	O-ISIL4-102A-1.3	Complete	4/9/2005	None
41	OZ1L-31C	O-ISIL4-102A-1.3	Complete	4/9/2005	None
42	OZ1L-34	O-ISIL4-104A-1.1	Complete	4/14/2005	None
43	OZ1L-39	O-ISIL4-104A-1.1	Not Yet Tested	N/A	None

Table 6-7 Detailed Class 2 Listing					
	Zone Number	Boundary Dwg	EOC22 Completion Status	EOC22 VT-2 Examination Date	Code Case(s) Used
44	OZ1L-42A	O-ISIL4-110A-1.1	Complete	5/12/2005	None
45	OZ1L-42B	O-ISIL4-110A-1.1	Complete	5/12/2005	None
46	OZ1L-44	O-ISIL4-110A-1.1	Not Yet Tested	N/A	None
		O-ISIL4-121D-1.2	Not Yet Tested	N/A	None
		O-ISIL4-122A-1.1	Not Yet Tested	N/A	None
47	OZ1L-6	O-ISIL4-109A-1.1	Complete	5/6/2005	None
48	OZ1L-64	O-ISIL4-124B-1.2	Complete	5/12/2005	None
49	OZ1L-65	O-ISIL4-124B-1.4	Complete	5/12/2005	None
50	OZ1L-7	O-ISIL4-101A-1.2	Complete	4/26/2005	None
		O-ISIL4-101A-1.3	Complete	4/26/2005	None
51	OZ1L-7B	O-ISIL4-101A-1.3	Complete	4/27/2005	None
		O-ISIL4-102A-1.2	Complete	4/5/2005	None
52	OZ1L-89	O-ISIL4-116C-1.1	Complete	4/20/2005	None
53	OZ1L-9	O-ISIL4-101A-1.3	Complete	5/6/2005	None
		O-ISIL4-102A-1.2	Complete	5/6/2005	None
54	OZ1L-90	O-ISIL4-116C-1.1	Complete	4/20/2005	None
55	OZ1L-91	O-ISIL4-116C-1.1	Complete	4/24/2005	None

Section 6 Prepared By:	Date:
Jim Boughman	6/8/05

Section 6 Reviewed By:	Date:
Paul W. Waltman	6/9/05