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Duke Power 29672 / Oconee Nuclear Site 7800 Rochester Highway Seneca, SC 29672

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April 9, 2004

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 21 Refueling Outage Inservice Inspection Report Third Ten-Year Inservice Inspection Interval

Please find attached a copy of the Inservice Inspection Report for Oconee Unit 1 End of Cycle 21 Refueling Outage. This report is submitted pursuant to Section XI of the ASME Boiler and Pressure Vessel Code, 1989 Edition, with no addenda, Article IWA 6230.

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

Very y yours, [ru] R. Jones.

Site Vice-President Oconee Nuclear Station

Attachment

www.duke-energy.com

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xc wo/attachment: Mr. Luis A. Reyes 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 Mr. M. C. Shannon NRC Senior Resident Inspector

Oconee Nuclear Station

# INSERVICE INSPECTION REPORT

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



### Owner's Report For INSERVICE INSPECTIONS

### OCONEE UNIT 1 2003 REFUELING OUTAGE EOC21 (OUTAGE 6)

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

NRC Docket No. 50-269

Commercial Service Date: July 15, 1973

Document Completion Date 3-29-04

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

**Revision 0** 

d By:	Rany Co Kuth	Date	3-23-04
ed By:		Date	3/23/04
d By:	Lary Urderubod L. Henin Rhyne	Date	<u>3/23/04</u> -

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Prepared By:

**Reviewed By:** 

Approved By:

	As required b	by the Provisions c		
1. Owner: <u>Duk</u>	e Energy Corpor	ration, 526 S. Churc		<u>C 28201-1006</u>
		(Name and Address	of Owner)	•
2. Plant: <u>Oco</u>	nee Nuclear Stat	tion, 7800 Rochester		SC 29672
		(Name and Address	; of Plant)	
3. Plant Unit:	<u>1</u> 4. Owner	r Certificate of Autho	orization (if require	2d) <u>N/A</u>
5. Commercial	Service Date:	<u>July 15, 1973</u> 6. Na	ational Board Num	ber for Unit <u>N/A</u>
7. Component:	_			
	I Inoposition.			
Component or	Manufacturer Installer	Manufacturer Installer Serial	State or Province No.	National Board No.
ppurtenance	Installer	Installer Serial No.	Province ino.	BOAIG INO.
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u></u>
	See Se	cti <u>on 1.1 in the A</u> ttacl	hed Report	· · ·
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Total number of pages contained in this report <u>280</u>.

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#### FORM NIS-1 (Back)

8.	Examination Dates April 29, 2002	to January 10, 2004
9.	Inspection Period Identification:	Third Period
10.	Inspection Interval Identification:	Third Interval
11.	Applicable Edition of Section XI	1989 Addenda None
12.	Date/Revision of Inspection Plan:	November 20, 2001 / Revision 6

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

15. Abstract of Corrective Measures.

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

Date 3/23/04 Signed Duke Energy Corp. By Lifevin Physe

#### **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  $\frac{9-29-02}{10}$  to  $\frac{1-10-04}{10}$ , 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

Signature Commissions NC 1944 NICAB National Board, State, Province, and Endorsements

Inspector's Signature

See Sections 4.0 and 6.0

See Subsection 4.3

Date

\* The Hartford Steam Boiler Inspection & Insurance Company of Connecticut. 200 Ashford Center North Suite 300 Atlanta, GA, 30338-4860 (800) 417-3721 www.hsbc.com

#### **DISTRIBUTION LIST**

- 1. Duke Energy Corporation Nuclear Assurance Division Quality Assurance Technical Services
- 2. Inspection and Welding Services (ISI Coordinator)
- 3. NRC Document Control Desk
- Hartford Steam Boiler Inspection and Insurance Company of Connecticut (AIA)
   <sup>C</sup>/o ANII at Oconee
- 5. Nuclear GO Nuclear Assurance <sup>C</sup>/<sub>O</sub> Bruce Nardoci

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2.	Third Ten Year Inspection Status	0
3.	Final Inservice Inspection Plan	0
4.	Results of Inspections Performed	0
5.	Owners Report for Repair/Replacement Activities	0
6.	Pressure Testing	0

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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 6/EOC 21. This is the last outage in the third inspection period of the Third Ten-Year Interval. ASME Section XI, 1989 Edition with no 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.

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	006K02	N/A	206
Steam Generator B	Babcock & Wilcox	006K01	N/A	205
Pressurizer	Babcock & Wilcox	620-0003-59	N/A	N-102
Main Steam	Duke Power	NA	NA	NA
÷ Auxiliary Steam System <del>∽</del>	Duke Power	NA	NA	NA
Feedwater System	Duke Power	NA	NA	NA
Emergency Feedwater System	Duke Power	NA	. NA	NA
Steam Generator Flush System	Duke Power	NA	NA	NA
Condensate System	Duke Power	NA	NA	NA

#### 1.1 Identification Numbers

EOC 21 Refueling Outage Report Oconee Unit 1 Section 1 Page 1 of 4 Revision 0 March 19, 2004

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Vents and Exhaust System	Duke Power	ŃA 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

EOC 21 Refueling Outage Report Oconee Unit 1 Section 1

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#### 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 1989 Edition of ASME Section XI with no addenda including Appendix VII for ultrasonic inspections. In addition, ultrasonic examiners were qualified in accordance with ASME Section XI, Appendix VIII, and 1995 Edition with the 1996 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 the Duke Energy's Corporate Office in Charlotte, North Carolina.

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

The certification records for Framatome ANP inspectors and calibration records of Framatome inspection equipment are on file at the Framatome ANP Office 155 Mill Ridge Road, Lynchburg, Va.

#### 1.3 <u>Reference Documents</u>

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

Duke Power Company Problem Investigation Process Report # O-03-06684

Duke Power Company Problem Investigation Process Report # O-03-04954

Duke Power Company Problem Investigation Process Report # O-04-1493 This PIP documents NIS-2 forms that are not being submitted with this report

#### 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: Clayton T. Smith, Gary Brouette, Nancy Slaughter, Richard Sinsabaugh, Dave Reynolds, Nick Theis and William Huber.
- Employer: The Hartford Steam Boiler Inspection & Insurance Company of Connecticut.
- Business Address: 200 Ashford Center North Suite 300 Atlanta, GA 30338-4860 (800) 417-3721 www.hsbct.com

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#### 2.0 Third Ten Year Interval Inspection Status

The completion status of inspections required by the 1989 ASME Code Section XI, no 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, and in Table IWC-2500-1 for Class 2 Inspections, and IWF-2500-1 (Code Case N-491 applies) for Class 1 and 2 Component Supports. Augmented inspections are also included.

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	* Deferral Allowed
B-A	Pressure Retaining Welds in Reactor Vessel	15 Welds	15 Welds	100%	Yes
B-B	Pressure Retaining Welds in Vessels Other than Reactor Vessel	ds 10 Welds 10 Welds 100%		No	
B-D	Full Penetration Welds of Nozzles in Vessels Inspection Program B	30 Inspections	30 Inspections	100%	Partial
B-E	Pressure Retaining Partial Penetration Welds in Vessels	REFERE	NCE SECTION	6.0 OF THIS RE	PORT
B-F	Pressure Retaining Dissimilar Metal Welds	32 Welds	32 Welds	100%	No
B-G-1	Pressure Retaining Bolting Greater than 2 Inches in Diameter	126 Items	126 Items	100%	Yes
B-G-2	Pressure Retaining Bolting 2 Inches and Less in Diameter	23 Items	23 Items	100%	No
B-H	Integral Attachments for Vessels	N/A	N/A _	N/A	N/A
B-J	Pressure Retaining Welds in Piping	153 Welds	153 Welds	100%	No

#### **Class 1 Inspections**

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

EOC 21 Refueling Outage Report Oconee Unit 1 Section 2

Examination Category Description				Percentage Completed	* Deferral Allowed	
В-К-1	Integral Attachments for Piping, Pumps and Valves	N/A	N/A	N/A	N/A	
B-L-1	Pressure Retaining Welds in Pump Casings	1 Weld	1 Weld	100%	Yes	
B-L-2	Pump Casings	1 Casing	1 Casing	100%	Yes	
B-M-1	Pressure Retaining Welds in Valve Bodies	N/A	N/A	N/A	N/A	
B-M-2	Valve Body	3 Valves	3 Valves	100%	Yes	
B-N-1	Interior of Reactor Vessel	3 Inspections	3 Inspections	100%	No	
B-N-2	Integrally Welded Core Support Structures and Interior Attachments to Reactor Vessels	1 Inspection	1 Inspections	100%	Yes	
B-N-3	Removable Core Support Structures	ort 1 Inspection 1 Inspections 100%		100%	Yes	
B-0	Pressure Retaining Welds in Control Rod Housings	3 Housings	2 Housings	92% ***	Yes	
B-P	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT		EPORT		
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)	32 Supports	32 Supports	100%	No	
F-A	Class 1 Component Supports, Snubbers				**	

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

\* 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 02-006

\*\*\* The housing body to adapter weld (located on the reactor vessel head) for CRD 59 was scheduled to be examined during EOC-21 but was removed from service when the reactor vessel head was replaced during the outage. There are 3 other welds on CRD 59 that will remain in service and they were examined during EOC-21. The percentage for category B-O is at 92% for the 3<sup>rd</sup> Interval because of the one weld (Item number B14.010.003) on CRD 59 that was removed from service and not examined.

EOC 21 Refueling Outage Report Oconee Unit 1 Section 2 Page 2 of 4 Revision 0 March 19, 2004

#### **Class 2 Inspections**

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	*Deferral Allowed
C-A	Pressure Retaining Welds in Pressure Vessels	8 Welds	8 Welds	100%	No
С-В	Pressure Retaining Nozzle Welds in Vessels	4 Welds	4 Welds	100%	No
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	91 Attachments	91 Attachments	100%	No
C-D	Pressure Retaining Bolting Greater Than 2 Inches in Diameter	2 Items	2 Items	100%	No
C-F-1	Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping	155 Welds	155 Welds	100%	No
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	62 Welds	62 Welds	100%	No
C-G	Pressure Retaining Welds in Pumps and Valves	1	1	100%	No
С-Н	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT			EPORT
F-A F1.020 & F1.040 items.	Class 2 Component Supports (Except Snubbers)	120 Supports	120 Supports	100%	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 02-006

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#### 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.

ltem Number	Description	Percentage Complete
G01.001	Reactor Coolant Pump Flywheel	100% of EOC 21 Requirements
G02.001	HPI Nozzle Safe End Examinations	20 G02 items were examined in EOC 21. 4 G02 items were deferred to EOC-22 per Addenda ONS1-215.
G03.001	Pressurizer Surge Line Examinations	100% of EOC 21 Requirements
G04.001	Thermal Stress Piping (NRC Bulletin 88-08)	100% of EOC 21 Requirements
G05.001	Pressurizer Spray Piping Thermal Transient Inspection	No longer used.
G06.001	Auxiliary Feedwater Header Water Hammer Examinations (PSC21-82)	None scheduled for EOC 21
G07.001	Augmented Examination of Longitudinal Piping Welds With A Nominal Wall Thickness < <sup>3</sup> /8" and > Nominal Pipe Size 4"	No longer applicable. Code Case N-524 is being used for the examination of all longitudinal piping welds.
G08.001	Pressurizer Sensing/ Sampling Nozzle Safe Ends	100% of EOC 21 Requirements
G09.001	Class 2 Piping Welds Nominal Pipe Size > 4" With Nominal Wall Thickness< <sup>3</sup> /8"	100% of EOC 21 Requirements
G10.001	Class 1 RTE Mounting Bosses	None scheduled for EOC 21
G11.001	Reactor Coolant Pump 3A2 and 3B1 Flange Joint, Studs, and Adjacent Areas	None scheduled for EOC 21
G12.001	HPI System Upgrade Piping Welds With A Nominal Wall Thickness $\leq 1/5$ " on Piping with a Nominal Pipe Size $\geq 2$ " and Nominal Pipe Size $\leq 4$ ".	100% of EOC 21 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	Ξ	Diameter/Thickness
Cal Blocks	=	Calibration Block Number
Comments	H	General and/or Detail Description
:		

EOC 21 Refueling Outage Report Oconee Unit 1 Section 3

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	ther Than Re	sure Retainin eactor Vesse		DUKE E INSERVICE INS Inservice Inspecti	on Database Oconee 1	AN MANA Managen	AGEMENT nent System	6	Plan Report Page 1 03/19/2004
ITEM NUMBE	ER ID NUM	IBER SYS	ISO/DWG NUM	BERS PROC	INSP REQ	MAT/SCH	DIA/THK CAL	BLOCKS	COMMENTS
**** Shell-to	o-Head; Circum	ferential ****							
B02.011.002 Class A	1-PZR-WP28 Circumferential	50	ISI OCŅ1-002 OM-201-1878	NDE-640 NDE-820	UT Pzr Lower Pzr Lwr Ht		84.000 4.750 ing	40394	PZR Lower Head Pc. 6 to Heater Belt Shell Pc. 4 and Lower Heater Belt Forging Pc. 40.
B02.011.003 Class A	1-PZR-WP4 Circumferential	50	ISI OCN1-002 OM-201-1878	See Com	UT Pzr (03) to 04/41	CS	84.000 6.188		Lower shell to heater belt shell (Inspect in the third interval during the first, second and third periods per IWB 2420(B). Do not count this weld in the percentages. This is a surveillance item). Procedure PDI-UT-7
Total B02.0	011 Items:	2		···· <u>···</u>					· · · · · · · · · · · · · · · · · · ·
**** Shell-to	o-Head; Longiti	udinal ****							
B02.012.002 Class A	1-PZR-WP7-1 Longitudinal	50	ISI OCN1-002 OM-201-1878	NDE-640 NDE-820	UT Pzr Heater Pzr Htr Be		0.000 6.188 to	40338	Pressure Heater Belt Shell Pc. 4 to Lower / Upper Heater Belt Forging Pc. 40/41 Y-Z Quadrant.
Total B02.0	)12 Items:	1		<u> </u>					

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EOC 21								
CATEGORY B-B, Pres	sure Retainin	a Welds in		ENERGY CO		•••		
Vessels Other Than R				SPECTION Pl				Plan Report
Heat Exchangers (Prima		<u> </u>		Oconee 1	_			Page 2
Inservice Inspection Plan for Interval 3 Outage								03/19/2004
ITEM NUMBER ID NUM	BER SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL E	BLOCKS	COMMENTS
**** Head Welds; Circumfe	erential ****							
B02.051.001 1-51A-18792-1	-V-1	18792-1	NDE-12	RT	SS	8.620		Let Down Cooler-1A Inlet Channel Body Pc. 03 to
Circumferential	51A	OM-201-3107				0.875		Chemical Connector Pc 14
Class A		OFD-101A-1.1		Channel B	•			
				Chemical	Connector			· · · · · · · · · · · · · · · · · · ·
B02.051.002 1-51A-18792-1	-V-4	18792-1	NDE-12	RT	SS	8.620		Let Down Cooler-1A Outlet Channel Body Pc. 03 to
Circumferential	51A	OM-201-3107				0.875		Chemical Connector Pc 14
Class A		OFD-101A-1.1		Channel B	-			
				Chemical	Connector			
Total B02.051 Items:	2							
Total B02 Items:	5							

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FOC.	- 21

#### DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Nozzles In Vessels - Inspection Program B Inservice Inspection Database Management System								
Pressurizer		Ins	service Insp	Plan Report Page 3 03/19/2004				
ITEM NUMBER ID	NUMBER SYS	ISO/DWG NUMBERS	PROC	INSP REQ N	AT/SCH	DIA/THK CAL	BLOCKS	COMMENTS
**** Nozzle-to-Vessel	Welds ****							
B03.110.011 1-PZR-W Circumferer Class A		ISI OCŅ1-002 OM-201-91 OM-201-1878	NDE-640 NDE-820	UT Pzr Nozzle Shell	CS to	5.750 6.187	40338	Pressurizer Sensing and Sampling Nozzle Pc. 30 to Shell Pc. 4 47 Degrees off W-Axis.
B03.110.012 1-PZR-W Circumferer Class A		ISI OCN1-002 OM-201-91 OM-201-1878	NDE-640 NDE-820	UT Pzr Nozzle Shell	CS to	5.750 6.187	40338	Pressurizer Sensing and Sampling Nozzle Pc. 30 to Shell Pc.4 40 Degrees off W-Axis.

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CATEGORY B-D, Full Penetration Welded

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EOC	21

#### DUKE ENERGY CORPORATION **CATEGORY B-D, Full Penetration Welded** INSERVICE INSPECTION PLAN MANAGEMENT Nozzles In Vessels - Inspection Program B **Inservice Inspection Database Management System Plan Report** Pressurizer Oconee 1 Page 4 03/19/2004 Inservice Inspection Plan for Interval 3 Outage 6 INSP REQ MAT/SCH DIA/THK CAL BLOCKS ITEM NUMBER **ID NUMBER** SYS ISO/DWG NUMBERS PROC COMMENTS \*\*\*\* Nozzle Inside Radius Section \*\*\*\* Pressurizer Sensing and Sampling Nozzle Pc. 30 to ISI OCN1-002 UT 40338 B03.120.011 1-PZR-WP26-3 NDE-680 CS 5.750 See Com Shell Pc.4 47 Degrees off W- Axis. (Inside Radius 2.531 50 OM-201-91 Section). Pzr Nozzle to Class A OM-201-1878 Cal Block 50237E Pzr Heater Belt Shell Cal Block 50237F **ISI OCN1-002** NDE-680 UT CS 5.750 Pressurizer Sensing and Sampling Nozzle Pc. 30 to B03.120.012 1-PZR-WP26-7 40338 Shell Pc.4 40 Degrees off W- Axis. (Inside Radius 2.531 See Com 50 OM-201-91 Section). Pzr Nozzle to OM-201-1878 Class A Cal Block 50237E Pzr Heater Belt Shell Cal Block 50237F Total B03.120 Items: 2

Total B03 Items:

4

EOC 21	(				(					$\langle$
				DUKE E		RPORATION				
CATEGOR	<u>RY B-F, Pressure Retained</u>	ainin	<u>q Dissimilar</u> INS			LAN MANAG				
<u>Metal Wel</u>	ds		Inser	vice Inspecti	on Databas	e Manageme	ent System			Plan Report
Piping					Oconee	1				Page 5
			Ins	ervice Insp	ection Pla	n for Interva	al 3 Outag	e 6		03/19/2004
ITEM NUMBI	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH E	NA/THK CA	L BLOCKS	COMMENTS	
**** NPS 4	or Larger; Dissimilar Met	al But	t Welds ****							
B05.130.006	1-PDB1-2		ISI OCN1-013	See Com	UT	SS-CS	33.500	40350	Examine from the elbow side.	
	Circumferential	50	OM-201-1845	000 000	•••	0000	2.330		Procedure # PDI-UT-10.	
Class A	Stress weld				Safe end	to				
	Dissimilar				Elbow					
B05.130.006A	A 1-PDB1-2		ISI OCN1-013	See Com	UT	SS-CS	33.500	40397	Examine from the safe end side.	
	Circumferential	50	OM-201-1845				2.330		Procedure # PDI-UT-10.	
Class A	Stress weld				Safe end	to				
	Dissimilar				Elbow					
B05.130.006E	3 1-PDB1-2		ISI OCN1-013	NDE-35	PT	SS-CS	33.500			
	Circumferential	50	OM-201-1845				2.330			
Class A	Stress weld				Safe end	to				
	Dissimilar				Elbow					
B05.130.010	1-PHB-17		ISI OCN1-006	See Com	UT	CS-Inconel	12.750	40414	Examine from the nozzle side.	
	Circumferential	50	OM-201-603				1.125		Procedure # PDI-UT-10.	
Class A					Buttering					
	Dissimilar					ecay Heat No		<u></u>		
B05.130.010A			ISI OCN1-006	See Com	UT	CS-Inconel	12.750	40413	Examine from the pipe side	
- · ·	Circumferential	50	OM-201-603		Duttering		1.125		Procedure # PDI-UT-10.	
Class A					Buttering	to ecay Heat No:				
	Dissimilar									·
B05.130.010E	•		ISI OCN1-006	NDE-35	PT	CS-Inconel	12.750			
	Circumferential	50	OM-201-603		Buttoring	••	1.125			
Class A	Dissimilar				Buttering	ecay Heat No:	7710			
	Dissimilar						<u> </u>	10.11.1		
B05.130.013	1LP-140-1A	504	1LP-140	See Com	UT	SS-Inconel	12.000	40414	Examine with B05.130.010 from th This weld was listed previously as	
	Circumferential	53A	OFD-102A-1.1		Pipe to		1.125		iso 1-53A-3 was redrawn.	
Class A	Term end Dissimilar				•	ecay Heat Re	moval		Procedure # PDI-UT-10.	
			11.D.140	See Com	UT	SS-Inconel	12.000	40413	Examine with B05.130.010A from	the nine side
B05.130.013A	A 1LP-140-1A	E0.4	1LP-140	See Com	UI	32-mconel	12.000	40413	This weld was listed previously as	
	Circumferential	SSA	OFD-102A-1.1		Pipe to		1.120		iso 1-53A-3 was redrawn.	
Class A	Term end Dissimilar				•	ecay Heat Re	moval		Procedure # PDI-UT-10.	
	Dissimiliat									

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EOC 21 CATEGOF Metal Wel		sure_Retainin		DUKE I SERVICE INS rvice Inspect		LAN MANA	GEMENT		Plan Report
Piping			Ins	service Insp	Oconee ection Plar	•	val 3 Outage 6		Page 6 03/19/2004
ITEM NUMBI	ER ID NUM	ABER SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
B05.130.013E Class A	3 1LP-140-1A Circumferential Term end	53A	1LP-140 OFD-102A-1.1	NDE-35	PT Pipe to	SS-Inconel	1.125	Examine with B05.130.010B. This weld was listed previously as iso 1-53A-3 was redrawn.	s 1-53A-3-1A until
Total B05.1	Dissimilar 130 Items:	9			Nozzle De	ecay Heat R	emoval		

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EOC 21 CATEGO Metal We		essure_Re		SERVICE IN	SPECTION	ORPORATIO PLAN MANA se Managem	GEMENT		Plan Report
Piping	140			ervice Ins		Page 7 03/19/2004			
ITEM NUMB	ER ID N	IUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REC	MAT/SCH	DIA/THK CAL BLOCI	KS COMMENTS	
**** Less T	۲han NPS 4; ۱	Dissimilar I	Metal Butt Welds ****						
B05.140.007	1-PDB1-11		ISI OCN1-013 51A OM-201-597	NDE-35	PT	SS-CS	3.500 . 0.750		
Class A	Dissimilar				Nozzle F Pipe Saf	Pressure Injec e End	lion to		
B05.140.008	1-PDB2-11		ISI OCN1-014 51A OM-201-1845	NDE-35	PT	SS-CS	3.500 0.750		
Class A	Dissimilar				Nozzle F Pipe Saf	Pressure Injec le End	lion to		
Total B05.	140 Items:	2							
Total B05	Items:	11							

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	<u>/ B-G-1, Pressure Rean 2 in. In Diameter</u>		DUKE INSERVICE IN Inservice Inspect		AN MAN	AGEMENT			Plan Report
Pumps	Oconee 1 Oconee 1 Inservice Inspection Plan for Interval 3 Outage 6								Page 8 03/19/2004
ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUME	BERS PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLO	OCKS	COMMENTS	
**** Flange S	urface, when connectio	n disassembled ****							
B06.190.003	1-RCP-1B1-FLANGE	OM-201D-34 OM-201D-35A	QAL-13	VT-1	SS	77.000 . 0.000	:	surface of flange	Pump 1B1 Main Flange. 1" annular surrounding each stud.(Inspect
Class A								Only If Disassem	nbled.)
Total B06.190	0 Items: 1							<u> </u>	

Total B06 Items: 1

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EOC 21 CATEGOF	Y B-J, Pressure Reta	aining	<u>g Welds In</u>	-						
Piping				Inservice li	nspectio	on Database M	anager	nent System	L	Plan Report
NPS 4 or	Larger			Inservic	e Inspe	Oconee 1 ection Plan fo	or Inter	val 3 Outag	je 6	• Page 9 03/19/2004
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUM	BERS PI	ROC	INSP REQ MA	T/SCH	DIA/THK C	AL BLOCKS	COMMENTS
**** Circum	ferential Welds ****									
B09.011.003 Class A	1-PIA1-6 Circumferential		ISI OCŅ1-007 OM-201-1845		E-600 E COM	UT Pipe to	CS	33.500 2.330	40350	Depending upon the examiners qualifications, procedure PDI-UT-1 may be used in lieu of procedure 600. If PDI-UT-1 is used, calibration block 40350 should be used.
						Pipe				
B09.011.003A	1-PIA1-6 Circumferential		ISI OCN1-007 OM-201-1845	ND	E-25	MT	CS	33.500 2.330		
Class A	Circumereniai	50	010-201-1045			Pipe to Pipe		2.000		
B09.011.019	1-PIA2-6		ISI OCN1-008		E-600	UT	CS	33.500	40350	Depending upon the examiners qualifications,
Class A	Circumferential	50	OM-201-1845	SEI	ECOM	Pipe to Pipe		2.330		procedure PDI-UT-1 may be used in lieu of procedure 600. If PDI-UT-1 is used, calibration block 40350 should be used.
B09.011.019A			ISI OCN1-008	ND	E-25	MT	CS	33.500		
Class A	Circumferential	50	OM-201-1845			Pipe to Pipe		2.330		
B09.011.111	1LP-140-8A		1LP-140		E-600	UT	SS	12.000 1.125	SEE COM	This weld was listed previously as 1-53A-3-8A until iso 1-53A-3 was redrawn.
Class A	Circumferential	•	OFD-102A-1.1	56	ECOM	Elbow to Valve 1LP-1		1.125		Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
B09.011.111A	1LP-140-8A		1LP-140	ND	E-35	PT	SS	12.000 1.125		This weld was listed previously as 1-53A-3-8A until iso 1-53A-3 was redrawn.
Class A	Circumferential	53A	OFD-102A-1.1			Elbow to Valve 1LP-1		1.125		
B09.011.114	1-PSL-2		ISI OCN1-015		E-600	UT	SS		SEE COM	Depending upon the examiners qualifications,
Class A	Circumferential Stress weld	50		SE	ECOM	Elbow 90j to Pipe	140	1.000		procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
B09.011.114A			ISI OCN1-015	ND	E-35	PT	SS	10.750		······································
Class A	Circumferential Stress weld	50				Elbow 90j to Pipe	140	1.000		

EOC	21
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EOC 21				DUKE E	NERGY CORP	ORATIC	N		
	<u>RY B-J, Pressure F</u>	Retainin	<u>g Welds In</u>	INSERVICE INS					
Piping				Inservice Inspecti		lanager	nent System	1	Plan Report
NPS 4 or	<u>Larger</u>				Oconee 1				Page 10
				Inservice Insp	03/19/2004				
ITEM NUMBE	ER ID NUMBER	SYS	ISO/DWG NUM	BERS PROC	INSP REQ M	AT/SCH	DIA/THK C	AL BLOCKS	COMMENTS
B09.011.115	1-PSL-3		ISI OCN1-015	NDE-600	UT	SS		SEE COM	Depending upon the examiners qualifications,
	Circumferential	50	1 ( A)	SEE COM		140	1.000		procedure PDI-UT-2 may be used in lieu of
Class A	Stress weld		., , , , , , , , , , , , , , , , , , ,		Elbow 90j to Pipe			٠	procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
B09.011.115A	1-PSL-3	· ·	ISI OCN1-015	NDE-35	PT	SS	10.750		······
	Circumferential	50				140	1.000		
Class A	Stress weld				Elbow 901 to				
					Pipe				
B09.011.116	1-PSL-4		ISI OCN1-015	NDE-600	UT	SS	10.750	SEE COM	Depending upon the examiners qualifications,
	Circumferential	50		SEE COM		140	1.000		procedure PDI-UT-2 may be used in lieu of
Class A	Stress weld				Elbow 90j to Pipe				procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
B09.011.116A	1-PSL-4		ISI OCN1-015	NDE-35	PT	SS	10.750		
	Circumferential	50				140	1.000		
Class A	Stress weld				Elbow 90; to				
					Pipe				
B09.011.117	1-PSL-6		ISI OCN1-015	NDE-600	UT	SS	10.750	SEE COM	Depending upon the examiners qualifications,
	Circumferential	50		SEE COM		140	1.000		procedure PDI-UT-2 may be used in lieu of
Class A	Stress weld				Elbow 901 to				procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
					Pipe				
B09.011.117A			ISI OCN1-015	NDE-35	PT	SS	10.750		
	Circumferential	• 50			<b>File</b>	140	1.000		
Class A	Stress weld				Elbow 90j to Pipe				
			101 00111 017					077.0011	
B09.011.118	1-PSL-5		ISI OCN1-015	NDE-600	UT	SS		SEE COM	Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of
<u>.</u>	Circumferential	50		SEE COM	Pipe to	140	1.000		procedure 600. If PDI-UT-2 is used, calibration block
Class A	Stress weld				Pipe				PDI-UT-2-O should be used.
B09.011.118A	1.PSL-5		ISI OCN1-015	NDE-35	PT	SS	10.750		
	Circumferential	50				140	1.000		
Class A	Stress weld				Pipe to				
					Pipe				

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Total B09.011 Items: 16

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EOC 21 CATEGOF Piping	<u>RY B-J, Pressure R</u>	<u>etainin</u>		SERVICE IN	ENERGY CC SPECTION F tion Databas	LAN MAN		Plan Report
Less Tha	an NPS 4		Ins	ervice Insi	Oconee pection Pla	-	val 3 Outage 6	Page 11 03/19/2004
	ER ID NUMBER	SYS		PROC			DIA/THK CAL BLOCKS	COMMENTS
**** Circum	nferential Welds ****							
B09.021.060 Class A	1RC-200-161 Circumferential Stress weld	51A	1RC-200, ,,	NDE-35	PT Pipe to Safe end	SS	2.500 . 0.375	This weld was listed previously as 1-51A-11-85A until iso 1-51A-11 was redrawn. Revision 2 changed weld number from 1RC-200-7. Inspect at the same time item number G02.001.008B is inspected
B09.021.077 Class A	1RC-230-53 Circumferential Stress weld	50	1RC-230	NDE-35	PT Pipe to Valve 1Lf	SS 160 P-46	1.500 0.281	
Total B09.0	21 Items: 2							

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EOC 21 CATEGOF Piping	<u>RY B-J, P</u>	ressure_Reta	ainin		DUKE E INSERVICE INS		LAN MAN	GEMENT			Plan Report
	Branch Pipe Connection Welds         Oconee 1           Inservice Inspection Plan for Interval 3 Outage 6										
ITEM NUMBI	ER ID	NUMBER	SYS	ISO/DWG NUMBE	ERS PROC	INSP REQ	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS	
**** NPS 4	or Larger *	***						•			
B09.031.002 Class A	1-PHB-16 Branch	}	50	ISI OCM1r006 B&W 131918E6	NDE-600 SEE COM	UT Pipe to Nozzle De	CS ecay Heat r	25.000 2.875 ozzle	40350	The NPS of the branch Depending upon the ex- procedure PDI-UT-1 ma procedure 600. If PDI-U 40350 should be used.	aminers qualifications,
B09.031.002A Class A	A 1-PHB-16 Branch	5	50	ISI OCN1-006 B&W 131918E6	NDE-25	MT Pipe to	CS	25.000		The NPS of the branch	piping is 12 inches.
						Nozzle De	ecay Heat r	ozzle			·····
Total B09.0	031 Items:	2						<u> </u>			
**** Less T	han NPS 4	****									
B09.032.008 Class A	1-PDB2-1 Branch Stress weld	-	50	ISI OCN1-014 OM-201-597	NDE-25	MT Pipe to Nozzle Pr	CS essure Inje	12.000 2.250 ction nozzle		The NPS of the branch	piping is 2.5 inches.
Total B09.0	032 Items:	1									
Total B09 I	tems:	21									

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			Inserv	ERVICE IN vice Inspect		LAN MANAG e Managem I n for Interv	GEMENT	Plan Report Page 13 03/19/2004 COMMENTS	
**** Welds in B14.010.006	1-RPV-CRD-59W60		DPS 706599-1056	NDE-35	та	SS-CS	5.000 .	CRDM Base to Motor Tube - CRDM # 59.	
Class A		50	OFD-100A-1.1		Base to Motor Tub	e	0.500	۰.	
B14.010.009	1-RPV-CRD-59	50	DPS 706599-1056 OFD-100A-1.1	NDE-35	PT	SS-CS	4.300 0.400	CRDM Motor Tube to Extension - CRDM #59.	
Class A		50	0-0-1004-1.1		Motor Tub Extension		0.400		
B14.010.012	1-RPV-CRD-59W61	50	DPS 706605-1058 OFD-100A-1.1	NDE-35	PT	SS	4.190 0.380	Peripheral CRDM Extension to Cap - CRDM # 59.	
Class A					Extension Cap	to			
Total B14.01	0 Items: 3				· · · · · · · · · · · · · · · · · · ·		······································		
Total B14 Ite	ems: 3								

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EOC 21	· (			(				(
CATEGO	RY C-C, Welded Atta Piping, Pumps, And	Valves Inserv	DUKE ERVICE INS vice Inspect ervice Insp		Plan Report Page 14 03/19/2004			
ITEM NUMBE	ER ID NUMBER	SYS ISO/DWG NUMBERS	PROC			DIA/THK CAL BLOCKS	COMMENTS	
**** Welded	d Attachments ****							
C03.020.010 Class B	1-01A-H7A Spring Hgr	0-481B; , ,, 01A OFD-122A-1.1	NDE-25	MT	CS	34.000 . 1.750	Calculaton No. OSC-1296-06; Problem No. 1-01-07; System 01 (2)-24.23A MAIN STEAM FROM	
							Addenda ONS1-186 was written inspection in outage 5 for an add IWC-2430(a) of the 1989 Sectior not count in the percentages.	litional sample per
C03.020.015 Class B	1-01A-R13 Rigid Restraint	0-550 01A OFD-122A-1.1	NDE-25	МТ	CS	34.000 0.750	Calculaton No. OSC-320; Problem No. 1-01-01;SHT.2 OF 01A;PAGE# 132; MAIN STEAM Addenda ONS1-186 was written inspection in outage 5 for an add IWC-2430(a) of the 1989 Section not count in the percentages.	PIPING to schedule an litional sample per
C03.020.016 Class B	1-01A-R3 Rigid Restraint	0-550 01A OFD-122A-1.1	NDE-25	МТ	CS	34.000 1.000	Calculaton No. OSC-320; Problem No. 1-01-01;SHT.2 OF 01A;PAGE# 132; MAIN STEAM Addenda ONS1-186 was written inspection in outage 5 for an add IWC-2430(a) of the 1989 Section not count in the percentages.	PIPING to schedule an litional sample per
C03.020.020 Class B	1-14B-H1 Rigid Restraint	0-479A 14B OFD-124B-1.2 1-14-16	NDE-25	MT	NA	6.000 0.750	Problem No; 1-14-16 Low Pressure Service Water Em Outlet.	ergency Cooler 1C
C03.020.027 Class B	1-14B-H3 Rigid Restraint	0-479A 14B OFD-124B-1.2 1-14-16	NDE-25	MT	CS	6.000 0.750	Problem No; 1-14-16 Low Pressure Service Water Em Outlet.	ergency Cooler 1C
C03.020.028 Class B	1-14B-H4 Rigid Restraint	0-479A 14B OFD-124B-1.2 1-14-12	NDE-25	MT	CS	6.000 0.750	Problem No; 1-14-12 Low Pressure Service Water Em Outlet.	ergency Cooler 1C

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#### DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

CATEGORY C- Vessels, Piping	Plan Report						
Piping				Oconee	1		Page 15
		ir	nservice Insp	pection Pla	n for Inter	03/19/2004	
ITEM NUMBER	ID NUMBER SYS	S ISO/DWG NUMBER	S PROC	INSP REC	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
C03.020.045 1-53	3B-H2	5-0-444	NDE-35	PT	SS	10.000	Calculation Number OS-408 Sheet 1 of 3; Problem
Spring Class B	g Hgr 53E	3 OFD-102A-1.2				1.250 .	No. 1-53-02 . System 53B LPI Injection and Decay Heat Removal
C03.020.064 1-54	1A-R8	3-0-435B	NDE-35	PT	SS	8.000	Calculaton No. OSC-1628 Page 60; Problem No.
Class B	544	OFD-103A-1.1		Sway Str	ut to	0.875	1-54-01 Sheet 1 of 1. System 54A Auxiliary Building.
C03.020.083 1-51	I-SR6	0-436D	NDE-35	PT	NA	4.000	Integral Attachment
Rigid f	Restraint 51E	3 OFD-101A-1.1				0.750	Inspect with F01.020.049
Class B							

Total C03 Items:

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EOC 21

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EOC 21									
CATEGO	RY C-F-1, Pressure R	etaining Welds In ING		NERGY CORI		-			
	SS Or High Alloy Pi			on Database			1		Plan Report
	Velds >= 3/8 in. Nominal V		•	Oconee 1	-				Page 16
for Pipin			ervice inspe	ection Plan	for interv	al 3 Outag	ge 6		03/19/2004
ITEM NUMBE	ER ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ M	AT/SCH	ЛА/ТНК С	AL BLOCKS	COMMENTS	
**** Circum	nferential Weld ****					_			•
C05.011.008	1LP-128-73	1LP-12β·,	NDE-600	UT	SS	10.000	SEE,COM	Depending upon the examiners qu	
	Circumferential	53B OFD-102A-1.2	SEE COM			1.125		procedure PDI-UT-2 may be used	
Class B				Pipe to Elbow				procedure 600. If PDI-UT-2 is use PDI-UT-2-O should be used.	d, calibration block
C05.011.008/	A 1LP-128-73	1LP-128	NDE-35	PT	SS	10.000			
	Circumferential	53B OFD-102A-1.2				1.125			
Class B				Pipe to Elbow					
C05.011.009	1LP-128-74	1LP-128	NDE-600	UT	SS		SEE COM	Depending upon the examiners qu	
	Circumferential	53B OFD-102A-1.2	SEE COM			1.125		procedure PDI-UT-2 may be used procedure 600. If PDI-UT-2 is use	
Class B			•	Elbow to Pipe				PDI-UT-2-O should be used.	u, canoration block
C05.011.009/	A 1LP-128-74	1LP-128	NDE-35	PT	SS	10.000	<u></u>		<u> </u>
	Circumferential	53B OFD-102A-1.2		• •		1.125			
Class B				Elbow to					
				Pipe				······································	
C05.011.010	1LP-128-75	1LP-128	NDE-600	UT	SS	10.000	SEE COM	Depending upon the examiners que	
Class B	Circumferential	53B OFD-102A-1.2	SEE COM	Pipe to		1.125		procedure PDI-UT-2 may be used procedure 600. If PDI-UT-2 is use	
Class b				Elbow				PDI-UT-2-O should be used.	-,
C05.011.010	A 1LP-128-75	1LP-128	NDE-35	PT	SS	10.000	· <del></del>	<u> </u>	
	Circumferential	53B OFD-102A-1.2				1.125			
Class B				Pipe to					
		· · · · · · · · · · · · · · · · · · ·		Elbow					
C05.011.011	1LP-128-76	1LP-128	NDE-600	UT	SS	10.000 1.125	SEE COM	Depending upon the examiners que procedure PDI-UT-2 may be used	
Class B	Circumferential	53B OFD-102A-1.2	SEE COM	Elbow to		1,125		procedure 600. If PDI-UT-2 is use	
01233 0				Pipe				PDI-UT-2-O should be used.	
C05.011.011/	A 1LP-128-76	1LP-128	NDE-35	PT	SS	10.000		<u></u>	
	Circumferential	53B OFD-102A-1.2				1.125			
Class B				Elbow to					
				Pipe					

				<b>X</b> .				
EOC 21						N		
CATEGOR	RY C-F-1, Pressure R	etaining Welds	In INSERVICE INS					
<u>Austenitic</u>	SS Or High Alloy Pi	ping	Inservice Inspecti	ion Database	e Manager	nent Systen	ו	Plan Report
Piping W	/elds >= 3/8 in. Nominal	Wall Thickness		Oconee 1	I			Page 17
	ig > NPS 4		Inservice Insp	ection Plan	for Inter	val 3 Outag	ge 6	03/19/2004
ITEM NUMBI	ER ID NUMBER	SYS ISO/DWG NU	JMBERS PROC	INSP REQ	MAT/SCH	DIA/THK C	AL BLOCKS	COMMENTS
C05.011.012	1LP-128-77	1LP-128	NDE-600	UT	SS		SEE COM	Depending upon the examiners qualifications,
	Circumferential	53B OFD-102A-1.2	2 SEE COM	_		1.125		procedure PDI-UT-2 may be used in lieu of
Class B		4   0.		Pipe to Elbow			•	procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
C05.011.012A	A 1LP-128-77	1LP-128	NDE-35	PT	SS	10.000		
	Circumferential	53B OFD-102A-1.2	2	_		1.125		
Class B				Pipe to Elbow				
C05.011.013	1LP-128-78	1LP-128	NDE-600	UT	SS	10.000	SEE COM	Depending upon the examiners qualifications,
	Circumferential	53B OFD-102A-1.2	2 SEE COM			1.125		procedure PDI-UT-2 may be used in lieu of
Class B				Elbow to				procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
-				Pipe				
C05.011.013	A 1LP-128-78	1LP-128	NDE-35	PT	SS	10.000		
	Circumferential	53B OFD-102A-1.2	2	Elbow to		1.125		
Class B				Pipe				
C05.011.014	1LP-128-79	1LP-128	NDE-600	UT	SS	10.000	SEE COM	Depending upon the examiners qualifications,
	Circumferential	53B OFD-102A-1.	2 SEE COM			1.125		procedure PDI-UT-2 may be used in lieu of
Class B				Pipe to				procedure 600. If PDI-UT-2 is used, calibration block
			•	Reducer				PDI-UT-2-O should be used.
C05.011.014/	A 1LP-128-79	1LP-128	NDE-35	PT	SS	10.000		
	Circumferential	'53B OFD-102A-1.	2	<b>.</b>		1.125		
Class B				Pipe to				
				Reducer				
C05.011.015	1LP-124-22	1LP-124	. NDE-600	UT	SS	10.000 1.125	SEE COM	Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of
Class P	Circumferential	53A OFD-102A-1.2	2 SEE COM	Pipe to		1.125		procedure 600. If PDI-UT-2 is used, calibration block
Class B				Elbow				PDI-UT-2-O should be used.
C05.011.015/	A 1LP-124-22	1LP-124	NDE-35	PT	SS	10.000		
	Circumferential	53A OFD-102A-1.				1.125		
Class B				Pipe to				
				Elbow				
C05.011.016	1LP-124-23	1LP-124	NDE-600	UT	SS	10.000	SEE COM	Depending upon the examiners qualifications,
	Circumferential	53A OFD-102A-1.	2 SEE COM			1.125		procedure PDI-UT-2 may be used in lieu of
Class B				Elbow to				procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
				Pipe				

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EOC 21	•					_				
CATEGOF	Y C-F-1, Pressure R	etaini	ng Welds In	INSE		NERGY CORP PECTION PLA				
	SS Or High Alloy Pi					on Database M			1	Plan Report
	/elds >= 3/8 in. Nominal V		ickness			Oconee 1				Page 18
for Pipin				Inse	rvice inspe	ection Plan fo	or Inter	val 3 Outag	ge 6	03/19/2004
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMB	ERS	PROC	INSP REQ MA	AT/SCH	DIA/THK C	AL BLOCKS	COMMENTS
C05.011.016A	1LP-124-23		1LP-124		NDE-35	PŤ	SS	10.000		
	Circumferential	53A (	OFD-102A-1.2					1.125	•	
Class B						Elbow to Pipe				
C05.011.017	1LP-124-24		1LP-124		NDE-600	UT	SS	10.000	SEE COM	Depending upon the examiners qualifications,
	Circumferential	53A (	OFD-102A-1.2		SEE COM	Pipe to		1.125		procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block
Class B				. <u></u>		Elbow				PDI-UT-2-O should be used.
C05.011.017A	1LP-124-24		1LP-124		NDE-35	PT	SS	10.000		
	Circumferential	53A (	OFD-102A-1.2			Dine te		1.125		•
Class B						Pipe to Elbow				
C05.011.018	1LP-124-25		1LP-124		NDE-600	UT	SS	10.000	SEE COM	Depending upon the examiners qualifications,
	Circumferential	53A (	OFD-102A-1.2		SEE COM			1.125		procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block
Class B						Elbow to Elbow				PDI-UT-2-O should be used.
C05.011.018A	1LP-124-25		1LP-124		NDE-35	PT	SS	10.000		
	Circumferential	53A (	OFD-102A-1.2					1.125		
Class B						Elbow to Elbow				
C05.011.019	1LP-124-26		1LP-124		NDE-600	UT	SS	10.000	SEE COM	Depending upon the examiners qualifications,
	Circumferential	'53A (	OFD-102A-1.2		SEE COM			1.125		procedure PDI-UT-2 may be used in lieu of
Class B						Elbow to Pipe				procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
C05.011.019A	1LP-124-26	,	1LP-124		NDE-35	PT	SS	10.000		<u></u>
	Circumferential	53A (	OFD-102A-1.2					1.125		
Class B						Elbow to Pipe				
C05.011.020	1LP-124-44		1LP-124		NDE-600	UT	SS	10.000	SEE COM	Depending upon the examiners qualifications,
	Circumferential	53A (	OFD-102A-1.2		SEE COM			1.125		procedure PDI-UT-2 may be used in lieu of
Class B						Reducer to Pipe				procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
C05.011.020A	1LP-124-44		1LP-124		NDE-35	PT	SS	10.000	<u> </u>	
	Circumferential	53A (	OFD-102A-1.2					1.125		
Class B						Reducer to Pipe				

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EOC 21	

## DUKE ENERGY CORPORATION CATEGORY C-F-1, Pressure Retaining Welds In Austenitic SS Or High Allov Piping

Austenitic SS	<u>Or High Alloy P</u>	iping	Inserv	ice Inspect	Plan Report		
Piping Welds :	>= 3/8 in. Nominal	Wall Th	ickness		Oconee 1		Page 19
for Piping > N				rvice Insp	ection Plan for Interval 3 Outage 6		03/19/2004
ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ MAT/SCH DIA/THK CAL BLOCKS	COMMENTS	

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Total C05.011 Items: 26

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	RY C-F-1, Pressure I SS Or High Alloy F		ERVICE INSI	NERGY CORF PECTION PLA on Database M	N MANA	GEMENT	1	Plan Report
	Velds > 1/5 in. Nom Wall			Oconee 1			_	Page 20
	<u>nd &lt;= NPS 4</u>		-	ection Plan f		-		03/19/2004
ITEM NUMBI		SYS ISO/DWG NUMBERS	PROC	INSP REQ M	AT/SCH	DIA/THK C	AL BLOCKS	COMMENTS
	nferential Weld ****					<u> </u>		
C05.021.017 Class B	1-51A-01-111A Circumferential	1-51A-01(4), 51A OFD-101A-1.3	NDE-600 See com	UT Pipe to Elbow	SS	2.500 0.375	40378	Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600.
C05.021.0174 Class B	A 1-51A-01-111A Circumferential	1-51A-01(4) 51A OFD-101A-1.3	NDE-35	PT Pipe to Elbow	SS	2.500 0.375		
C05.021.023 Class B	1-51A-01-112A Circumferential	1-51A-01(4) 51A OFD-101A-1.3	NDE-600 See Com	UT Elbow to Pipe	SS	2.500 0.375	40378	Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600.
C05.021.023/ Class B	A 1-51A-01-112A Circumferential	1-51A-01(4) 51A OFD-101A-1.3	NDE-35	PT Elbow to Pipe	SS	2.500 0.375		٩
C05.021.029 Class B	1-51A-01-114AC Circumferential	1-51A-01(4) 51A OFD-101A-1.2	NDE-600 See Com	UT Pipe to Valve 1HP-6	SS	2.500 0.375	40378	Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600.
C05.021.029A Class B	A 1-51A-01-114AC Circumferential	1-51A-01(4) 51A OFD-101A-1.2	NDE-35	PT Pipe to Valve 1HP-6	SS	2.500 0.375		
C05.021.034 Class B	1HP-187-114 Circumferential	1HP-187 51A OFD-101A-1.4	NDE-600 SEE COM	UT Elbow to Valve 1HP-1	SS	4.000 0.531	SEE COM	Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration bloc PDI-UT-2-O should be used.
C05.021.0344 Class B	A 1HP-187-114 Circumferential	1HP-187 51A OFD-101A-1.4	NDE-35	PT Elbow to Valve 1HP-1	SS 38	4.000 0.531		

EOC 21								C C
	Y C-F-1, Pressure	Potaining Wolds	1					
	SS Or High Alloy F		Inservice Inspect		manager	nent System	n	Plan Report
	elds > 1/5 in. Nom Wal	for Piping >=		Oconee 1			•	Page 21 03/19/2004
NPS 2 and			Inservice Insp				•	
ITEM NUMBE		SYS ISO/DWG N				DIA/THK C	AL BLOCKS	
C05.021.037	1HP-192-1	1HP-192	NDE-600	UT	SS	4.000	SEE COM	Depending upon the examiners qualifications,
	Circumferential	51A OFD-101A-1				0.531		procedure PDI-UT-2 may be used in lieu of
Class B		4 1 4		Elbow to			•	procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
				Tee	·····			
C05.021.037A		1HP-192	NDE-35	PT	SS	4.000		
•	Circumferential	51A OFD-101A-1	.4			0.531		
Class B				Elbow to				
				Tee				
C05.021.044	1HP-324-130B	1HP-324	NDE-600	UT	SS	2.500	SEE COM	This weld was previously listed as 1-51A-03-130B
(	Circumferential	51A OFD-101A-1	.4 SEE COM			0.375		and was shown on iso. 1-51A-03(2).
Class B				Elbow to				Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of
				Pipe				procedure 600. If PDI-UT-2 is used, calibration block
								PDI-UT-2-O should be used.
C05.021.044A	1HP-324-130B	1HP-324	NDE-35	PT	SS	2.500		This weld was previously listed as 1-51A-03-130B
(	Circumferential	51A OFD-101A-1	.4			0.375		and was shown on iso. 1-51A-03(2).
Class B				Elbow to				
				Pipe				
C05.021.050	1-51A-02-49BA	1-51A-02	NDE-600	UT	SS	4.000	SEE COM	Inspecting this weld in order to meet 7.5% of system
	Circumferential	51A OFD-101A-1	.3 SEE COM			0.531		53B. Borrowing from system 51A category C5.21.
Class B				Valve 1HP	132 to			Depending upon the examiners qualifications,
		•		Pipe				procedure PDI-UT-2 may be used in lieu of
								procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
	1-51A-02-49BA	1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A OFD-101A-1	.3	Value 411D	100 4-	0.531		
Class B				Valve 1HP	132 10			
	·····			Pipe				
C05.021.056	1-51A-02-23BB	1 <b>-</b> 51A-02	NDE-600	UT	SS	4.000	SEE COM	Inspecting this weld in order to meet 7.5% of system
	Circumferential	51A OFD-101A-1	.4 SEE COM			0.531		53B. Borrowing from system 51A category C5.21.
Class B				Flange to				Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of
				Pipe				procedure 600. If PDI-UT-2 is used, calibration block
								PDI-UT-2-O should be used.

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EOC 21					DUKE EI		ORATIC	N		
	<u>RY C-F-1, Pressure Re</u>		<u>ing Welds In</u>			PECTION PLA				
Austenitic	SS Or High Alloy Pi	oing		Inserv	ice Inspectio	on Database I	Manager	nent System	1	Plan Report
	/elds > 1/5 in. Nom Wall_f	or Pip	oing >=			Oconee 1			_	Page 22
	$nd \le NPS_4$				•	ection Plan f		-	-	03/19/2004
ITEM NUMBE		SYS	ISO/DWG NUME	BERS	PROC	INSP REQ M			AL BLOCKS	COMMENTS
	1-51A-02-23BB		1-51A-02		NDE-35	PT	SS	4.000		Inspecting this weld in order to meet 7.5% of system
	Circumferential	51A	OFD-101A-1.4			Flange to		0.531	•	53B. Borrowing from system 51A category C5.21
Class B						Pipe				
C05.021.060	1-51A-03-79B		1-51A-03(1)		NDE-600		SS	4.000	SEE COM	Inspecting this weld in order to meet 7.5% of system
	Circumferential	51A	OFD-101A-1.4		SEE COM	•••		0.531		54A. Borrowing from system 51A category C5.21.
Class B						Elbow to				Depending upon the examiners qualifications,
						Pipe				procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block
										PDI-UT-2-O should be used.
COE 021 060A	1-51A-03-79B		1-51A-03(1)		NDE-35	PT	SS	4.000		Inspecting this weld in order to meet 7.5% of system
	Circumferential	51A	OFD-101A-1.4		NDC-55	ГТ	33	0.531		54A. Borrowing from system 51A category C5.21.
Class B	Onodimerchian	01/1				Elbow to				
0.0000						Pipe				
C05.021.067	1-51A-03-122B		1-51A-03(2)		NDE-600	UT	SS	2.500	SEE COM	Inspecting this weld in order to meet 7.5% of system
	Circumferential	51A	OFD-101A-1.4		SEE COM			0.552		54A. Borrowing from system 51A category C5.21.
Class B						Pipe to				Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of
						Elbow				procedure 600. If PDI-UT-2 is used, calibration block
										PDI-UT-2-O should be used.
C05.021.067A	1-51A-03-122B		1-51A-03(2)		NDE-35	PT	SS	2.500		Inspecting this weld in order to meet 7.5% of system
	Circumferential	51A	OFD-101A-1.4					0.552		54A. Borrowing from system 51A category C5.21
Class B		•				Pipe to				
			<u> </u>			Elbow				
C05.021.073	1HP-187-116		1HP-187		NDE-600	UT	SS	4.000	SEE COM	Inspecting this weld in order to meet 7.5% of system
	Circumferential	51A	OFD-101A-1.4		SEE COM	Tee le		0.531		56. Borrowing from system 51A category C5.21. Depending upon the examiners qualifications,
Class B						Tee to Elbow				procedure PDI-UT-2 may be used in lieu of
						LIDOW				procedure 600. If PDI-UT-2 is used, calibration block
										PDI-UT-2-O should be used.
C05.021.073A	1HP-187-116		1HP-187		NDE-35	PT	SS	4.000	<u> </u>	Inspecting this weld in order to meet 7.5% of system
	Circumferential	51A	OFD-101A-1.4					0.531		56. Borrowing from system 51A category C5.21
Class B						Tee to				
						Elbow				

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EOC 21										-
CATEGOR	Y C-F-1, Pressure Re	etaini	ing Welds In	INSEF		NERGY CORI				
	SS Or High Alloy Pip					on Database			ı	Plan Report
	/elds > 1/5 in. Nom Wall_f		ing >=			Oconee 1				Page 23
	nd <= NPS 4			Inserv	vice Inspe	ection Plan	for Interv	val 3 Outaç	ge 6	03/19/2004
ITEM NUMBE	ID NUMBER	SYS	ISO/DWG NUM	BERS	PROC	INSP REQ M	IAT/SCH	DIA/THK C	AL BLOCKS	COMMENTS
C05.021.081 Class B	1HP-282-88A Circumferential		1HP-282 OFD-101A-1.3		NDE-600 SEE COM	UT Pipe to Tee	SS	4.000 0.531	SEE COM	Inspecting this weld in order to meet 7.5% of system 51B. Borrowing from system 51A Category C5.21 This weld was listed previously as 1-51A-01-88A until iso 1-51A-01 part 3 was redrawn. Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
	1HP-282-88A Circumferential		1HP-282 OFD-101A-1.3	1	NDE-35	PT Pipe to Tee	SS	4.000 0.531		Inspecting this weld in order to meet 7.5% of system 51B. Borrowing from system 51A Category C5.21 This weld was listed previously as 1-51A-01-88A until iso 1-51A-01 part 3 was redrawn.
C05.021.087 Class B	1HP-193-24 Circumferential		1HP-193 OFD-101A-1.4		NDE-600 SEE COM	UT Pipe to PE Flow No	SS zzle	2.500 0.375	SEE COM	Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
	1HP-193-24 Circumferential		1HP-193 OFD-101A-1.4	1	NDE-35	PT Pipe to PE Flow No	SS zzle	2.500 0.375		
C05.021.093 Class B	1HP-324-119B • Circumferential		1HP-324 OFD-101A-1.4		NDE-600 SEE COM	UT Pipe to Tee	SS	2.500 0.375	SEE COM	This weld was previously listed as 1-51A-03-119B and was shown on iso. 1-51A-03(2). Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
	1HP-324-119B Circumferential		1HP-324 OFD-101A-1.4	Ň	NDE-35	PT Pipe to Tee	SS	2.500 0.375		This weld was previously listed as 1-51A-03-119B and was shown on iso. 1-51A-03(2).
C05.021.099 Class B	1-51A-124-19 Circumferential		1-51A-124 OFD-101A-1.3		NDE-600 SEE COM	PT Pipe to Elbow	SS	4.000 0.531	SEE COM	Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.

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	Y C-F-1, Pressure R		ng Welds In		ERVICE INS	NERGY CORP PECTION PLA	N MAN	AGEMENT		
	<u>SS Or High Alloy Pi</u>			Inservi	ce inspectio	on Database N	lanager	nent Systen	1	Plan Report
	elds > 1/5 in. Nom Wall	for Pip	<u>ing &gt;=</u>			Oconee 1			0	Page 24 03/19/2004
NPS 2 and					•	ection Plan f			-	
ITEM NUMBER			ISO/DWG NUME	BERS	PROC	INSP REQ M			AL BLOCKS	COMMENTS
C05.021.099A			1-51A-124		NDE-35	PT	SS	4.000		
	Circumferential	51A (	OFD-101A-1.3			Dine te		0.531	•	
Class B						Pipe to Elbow				
C05.021.100	1-51A-127-16		1-51A-127		NDE-600	UT	SS	4.000	SEE COM	Inspecting this weld in order to meet 7.5% of system
	Circumferential	51A (	OFD-101A-1.3		SEE COM			0.531		51B. Borrowing from system 51A Category C5.21 Depending upon the examiners qualifications,
Class B						Elbow to				procedure PDI-UT-2 may be used in lieu of
						Pipe				procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
C05.021.100A	1-51A-127-16		1-51A-127		NDE-35	PT	SS	4.000		Inspecting this weld in order to meet 7.5% of system
(	Circumferential	51A -	OFD-101A-1.3					0.531		51B. Borrowing from system 51A Category C5.21
Class B						Elbow to Pipe				
C05.021.106	1HP-179-119		1HP-179		NDE-600	UT	SS	2.000	SEE COM	Depending upon the examiners qualifications,
(	Circumferential	51A	OFD-101A-1.1		SEE COM			0.436		procedure PDI-UT-2 may be used in lieu of
Class B						Reducer to Pipe				procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
C05.021.106A	1HP-179-119		1HP-179		NDE-35	PT	SS	2.000		
(	Circumferential	51A	OFD-101A-1.1					0.436		
Class B		•				Reducer to Pipe				
C05.021.111	1HP-194-4		1HP-194		NDE-600	UT	SS	4.000	SEE COM	Depending upon the examiners qualifications,
(	Circumferential	51A	OFD-101A-1.4		SEE COM			0.674		procedure PDI-UT-2 may be used in lieu of
Class B						Pipe to Valve 1HP-2	7			procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
C05.021.111A	1HP-194-4		1HP-194		NDE-35	PT	SS	4.000		
(	Circumferential	51A	OFD-101A-1.4					0.674		
Class B						Pipe to Valve 1HP-2	7			۲

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EOC 21				-				ν.
	RY C-F-1, Pressure F SS Or High Alloy P		DUKE E NSERVICE INS ervice Inspect		LAN MANA	GEMENT		Plan Report
	inch Connections of Bra			Oconee 1	1			Page 25
NPS 2			nservice Insp	ection Plar	n for Inter	val 3 Outage 6		03/19/2004
ITEM NUMBE	ER ID NUMBER	SYS ISO/DWG NUMBERS	S PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
**** Circum	nferential Weld ****							
C05.041.001	1-53B-01-87B Branch	1-53B-91(2), 53B OFD-102A-1.2	NDE-35	PT	SS	8.000 . 0.250	. <u> </u>	
Class B				Pipe to Pipe				
C05.041.010	1LP-203-55JA Branch	1LP-203 53B OFD-102A-1.2	NDE-35	PT	SS	8.000 0.250	This weld was listed previous on iso 1-53B-05(3) until it was	
Class B				Pipe to Pipe			1LP-203.	
C05.041.023	1-53B-12-127C	1-53B-12	NDE-35	РТ	SS	8.000		
Class B	Branch	53B OFD-102A-1.1		Elbow to Pipe		0.148		
C05.041.029	1-51A-01-12A Branch	1-51A-01(1) 51A OFD-101A-1.3	NDE-35	PT	SS	3.000 0.216		
Class B				Pipe to Pipe				
Total C05.0	041 Items: 4			ur				

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EOC 21			D11/2 -					_	
CATEGOR	Y C-F-2, Pressure Re	etaining Welds In	DUKE EI INSERVICE INSI	NERGY CORF					
	r Low Alloy Steel Pip		Inservice Inspectio				1	Plan Report	
	/elds >= 3/8 in. Nominal W			Oconee 1				Page 26	
	g > NPS 4		Inservice Inspe	ection Plan f	or Inter	val 3 Outag	ge 6	03/19/2004	
ITEM NUMBE		SYS ISO/DWG NUM	BERS PROC	INSP REQ M	AT/SCH	DIA/THK C	AL BLOCKS	COMMENTS	
**** Circum	ferential Weld ****								
C05.051.003	1MS-074-14B	1MS-074, .,	NDE-600	UT	CS	26.000	SEE COM	This weld was previously listed as 1-01A-02-14B	
	Circumferential	01A OFD-122A-1.1	SEE COM			0.875	•	before the Iso was redrawn.	
Class B				Elbow to				Depending upon the examiners qualifications, procedure PDI-UT-1 may be used in lieu of	
				Pipe				procedure NDE-600. If PDI-UT-1 is used, calibration	
								block PDI-UT-1-O should be used.	
C05.051.003A	1MS-074-14B	1MS-074	NDE-25	MT	CS	26.000		This weld was previously listed as 1-01A-02-14B	
	Circumferential	01A OFD-122A-1.1				0.875		before the Iso was redrawn.	
Class B				Elbow to					
<u> </u>				Pipe				······································	
C05.051.010	1MS-065-25	1MS-065	NDE-600	UT	CS	12.000	SEE COM	Depending upon the examiners qualifications,	
	Circumferential	01A OFD-122A-1.1	SEE COM	Valve 1MS-7	70 10	0.562		procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, calibration	
Class B				Elbow	/910			block PDI-UT-1-O should be used.	
C05 051 010A	1MS-065-25	1MS-065	NDE-25	MT	CS	12.000			
000.001.0107	Circumferential	01A OFD-122A-1.1	1102 20		00	0.562			
Class B				Valve 1MS-7	79 to				
				Elbow					
C05.051.011	1MS-066-2	1MS-066	NDE-600	UT	CS		SEE COM	This weld was previously listed as 1-01A-01-20	
	Circumferential	01A OFD-122B-1.1	SEE COM			0.969		before the Iso was redrawn. Depending upon the examiners qualifications,	
Class B		•		Valve 1MS-1 Pipe	102 to			procedure PDI-UT-1 may be used in lieu of	
				i iha				procedure NDE-600. If PDI-UT-1 is used, calibration	
								block PDI-UT-1-O should be used.	
C05.051.011A	1MS-066-2	1MS-066	NDE-25	MT	CS	24.000		This weld was previously listed as 1-01A-01-20	
	Circumferential	01A OFD-122B-1.1				0.969		before the Iso was redrawn.	
Class B				Valve 1MS-1 Pipe	102 to				
C05.051.019	1MS-001-19	1MS-001	NDE-600	UT	CS	34.000	SEE COM	Inspect this with item number C05.052.001. This	
	Circumferential	01A OFD-122A-1.1	SEE COM	<b>.</b>		1.164		weld was previously listed as 1-01A-01-19 before	
Class B				Elbow to				the Iso was redrawn. Depending upon the examiners qualifications,	
•				Pipe				procedure PDI-UT-1 may be used in lieu of	
								procedure NDE-600. If PDI-UT-1 is used, calibration	
								block PDI-UT-1-O should be used.	

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EOC 21	<b>\</b> .									
	<u>RY C-F-2, Pressure</u>	Retain	ing Welds In			NERGY COR PECTION PL				
-	r Low Alloy Steel F					on Database			n	Blen Denert
	/elds >= 3/8 in. Nomina		hieknoog			Oconee 1	J	····· <b>·</b>		Plan Report Page 27
	g > NPS 4		IIICKIIE55	Inser	vice Inspe	ection Plan	for Interv	al 3 Outa	ae 6	03/19/2004
ITEM NUMBE		SYS	ISO/DWG NUM		PROC	INSP REQ N			-	COMMENTS
	A 1MS-001-19		1MS-001		NDE-25	MT	CS	34.000		Inspect this with item number C05.052.001A
	Circumferential	01A	OFD-122A-1.1					1.164		This weld was previously listed as 1-01A-01-19 before the Iso was redrawn.
Class B						Elbow to Pipe			•	
C05.051.020	1-03-3-28B		1-03-3(1)		NDE-600	UT	CS	20.000	SEE COM	Depending upon the examiners qualifications,
	Circumferential	03	OFD-121B-1.3		SEE COM	Dina ta		1.031		procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, calibration
Class B						Pipe to Elbow				block PDI-UT-1-O should be used.
C05.051.020A	A 1-03-3-28B		1-03-3(1)		NDE-25	MT	CS	20.000		
	Circumferential	03	OFD-121B-1.3					1.031		
Class B						Pipe to Elbow				
C05.051.022	1-03-3-44B		1-03-3(1)		NDE-600	UT	CS	14.000	SEE COM	Depending upon the examiners qualifications,
01	Circumferential	03	OFD-121B-1.3		SEE COM	Elbow to		0.750		procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, calibration
Class B						Reducer				block PDI-UT-1-O should be used.
C05.051.0224	A 1-03-3-44B	<u> </u>	1-03-3(1)		NDE-25	MT	CS	14.000		,
	Circumferential	03	OFD-121B-1.3					0.750		
Class B						Elbow to Reducer				
C05.051.023	1FDW-182-9		1FDW-182		NDE-600	UT	CS	6.000	SEE COM	Depending upon the examiners qualifications,
	Circumferential	. • 03A	OFD-121D-1.1		SEE COM			0.432		procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, calibration
Class B						Elbow to Pipe				block PDI-UT-1-O should be used.
C05.051.023/	A 1FDW-182-9		1FDW-182 .		NDE-25	MT	CS	6.000		· · · ·
	Circumferential	03A	OFD-121D-1.1					0.432		
Class B						Elbow to Pipe				
C05.051.039	1-LPSW-344-19		1-LPSW-344		NDE-600	UT	CS	8.000	SEE COM	Depending upon the examiners qualifications,
	Circumferential	14B	OFD-124B-1.2		SEE COM	-		0.500		procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, calibration
Class B						Pipe to Elbow				block PDI-UT-1-O should be used.
C05.051.039A	A 1-LPSW-344-19	<u> </u>	1-LPSW-344		NDE-25	MT	CS	8.000		
	Circumferential	14B	OFD-124B-1.2			<b></b>		0.500		
Class B						Pipe to				
						Elbow				

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CATEGORY C-F-2, Pressure Carbon Or Low Alloy Steel Pi Piping Welds >= 3/8 in. Nominal for Piping > NPS 4	ping Inserv Wall Thickness	ERVICE INS vice Inspecti	NERGY CORF PECTION PLA on Database f Oconee 1 ection Plan f	N MANA Managen	GEMENT nent System		Plan Report Page 28 03/19/2004	
ITEM NUMBER ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ M		-	-	COMMENTS	
C05.051.045 1LPSW-345-38 Circumferential Class B	1LPSW-345 14B OFD-124B-1.2	NDE-600 SEE COM	UT Flange to Flange	CS	6.000 0.432	SEE COM	This weld was listed previously as 1-LPSW-345-38 until iso 1-LPSW-345 was redrawn. This weld was listed previously as 1-LPS-345-38 until iso 1-LPS-345 was deleted. Depending upon the examiners qualifications, procedure PDI-UT-1 may be used in lieu of procedure NDE-600. If PDI-UT-1 is used, calibration block PDI-UT-1-O should be used.	
C05.051.045A 1LPSW-345-38 Circumferential Class B	1LPSW-345 14B OFD-124B-1.2	NDE-25	MT Flange to Flange	CS	6.000 0.432		This weld was listed previously as 1-LPSW-345-38 until iso 1-LPSW-345 was redrawn. This weld was listed previously as 1-LPS-345-38 until iso 1-LPS-345 was deleted.	

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<u>Carbon Or</u>	Low Alloy	essure Retain Steel Piping ons of Branch Pi	1	DUKE E INSERVICE INS Inservice Inspect	PECTION	se Managen	GEMENT	Plan Report Page 29
NPS 2	<u>oomeone</u>			Inservice Insp	ection Pla	an for Inter	val 3 Outage 6	03/19/2004
ITEM NUMBE	R ID NU	ABER SYS	ISO/DWG NUMBI	-			DIA/THK CAL BLOCKS	COMMENTS
**** Circum	ferential Weld	****					· · · · · · · · · · · · · · · · · · ·	
C05.081.010	1-MS15B-D-1 Branch	01A	1MS-002,	NDE-25	MT Pipe to Pipe	CS	8.000 . 0.906	Reference Request for Relief ONS-010. (For details on weld location see sketch in request for relief ONS-010.)
C05.081.012 Class B	1-MS15B-A-1 Branch	01A	1MS-002	NDE-25	MT Pipe to Pipe	CS	8.000 0.906	Reference Request for Relief ONS-010. (For details on weld location see sketch in request for relief ONS-010.)
Total C05.0 Total C05 It		2 86		···				

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CHR, Atm	RY D-B, Systems In los. Cleanup, And R			DUKE INSERVICE IN Inservice Inspec		LAN MAN e Manage	Plan Report	
	<u>Attachment</u>			Inservice Ins		-	rval 3 Outage 6	Page 30 03/19/2004
	ER ID NUMBER	SYS	ISO/DWG NUM				DIA/THK CAL BLOCKS	COMMENTS
	onent Supports and Res							
D02.020.003 Class C			4-1-0-403C • OFD-122A-1.4	QAL-14	VT-3	NA	6.000 . 0.250	Calculation Number OSC-325 Sheet 3 of 3; Problem 1-01-06 Page 91. System 01A Steam Supply to Emergency Feedwater Pump Turbine.
D02.020.007 Class C	1-03-R8 Rigid Restraint	03	0-551 OFD-121B-1.3	QAL-14	VT-3	NA	24.000 0.312	Calculation No. OS-336 Page 45a.1; Problem No. 1-03-01 Sheet 1 of 2. System 03 Auxiliary and Turbine Building.
D02.020.010 Class C	1-03A-DE064 Rigid Restraint	03A	1-0-400B OFD-121D-1.1	QAL-14	VT-3	NA	6.000 0.500	Calculaton No. OSC-342 Page 103; Problem No. 03A-9 . System 03A 6*EMER. F.WTR. BYPASS
D02.020.038 Class C	1-03A-SR100 Rigid Restraint	03A	1-0-438B OFD-121D-1.1	QAL-14	VT-3	NA	6.000 0.500	Calculaton No. OSC-1224-19 Page 27;Problem No.1- 03A-13. System 03A AUX. SERVICE WATER PIPE
D02.020.053 Class C	1-03A-SR65 Rigid Restraint	03A	1-0-400A OFD-121D-1.1	QAL-14	VT-3	NA	6.000 1.000	Calculaton No. OSC-1215 Page 21; Problem No.1- 03A-12. System 03A EMER. FEED.WTR. DISCHARGE
D02.020.054 Class C	1-03A-SR83 Rigid Restraint	03A	1-0-400B OFD-121D-1.1	QAL-14	VT-3	NA	6.000 0.500	Calculaton No. OSC-342 Page 103; Problem No. 03A-9 . System 03A 6"EMER. F.WTR. BYPASS
D02.020.060 Class C	1-03A-SR95 Rigid Restraint	03A	1-0-437A · OFD-121D-1.1	QAL-14	VT-3	NA	6.000 0.500	Calculaton No. OSC-339 Page 81; Problem No. 1-03A-5 . System 03A 6*EMER. F.WTR. TO 24*MAIN F.WTR.
D02.020.064 Class C	1-04A-H20 Rigid Restraint		2-0-439B OFD-121B-1.5	QAL-14	VT-3	NA	6.000 1.000	Calculaton No. OSC-1404 Page 77;Problem No.1- 04A-06. System 04A OTSG SECONDARY SIDE DRAIN TO COND.

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	<u>RY D-B, Systems In Sos. Cleanup, And Re</u>		DUKE E INSERVICE INS Inservice Inspect		LAN MANA	GEMENT	Plan Report
				Oconee 1	l		Page 31
	<u>Attachment</u>		Inservice Insp	ection Plar	n for Inter	val 3 Outage 6	03/19/2004
ITEM NUMBE		SYS ISO/DWG NUM	BERS PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
D02.020.074	1-08-JH-1801	0-400H	QAL-14	VT-3	NA	10.000	Calculation Number OSC-1902 Sheet 1of 2;
Class C	Rigid Restraint	08 OFD-122A-1.4				0.250 .	Problem 1-08-01 Page 38. System 08 Emergency Feedwater Pump Turbine Exhaust to Condenser.
D02.020.083	1-14B-H1	1-0-437A	QAL-14	VT-3	NA	16.000	Calculaton No. OSC-1541;
Class C	Rigid Restraint	14B OFD-124B-1.1				0.280	Problem No. 1-14-06 SHT. 1 OF 3. System 14B;PAGE 100.1; LPSW SUPPLY TO RB COMPONENT COOLERS & LP COOLERS 1A & 1B
D02.020.088	1-14B-RMC-0501	0-439B	QAL-14	VT-3	NA	8.000	File OSC-376 pg. 78. Low Pressure Service Water
Class C	Rigid Restraint	14B OFD-124B-1.2 1-14-04				0.237	Discharge I. E. B. 79-14, System 14B, sheet 1 of 3
D02.020.094 Class C	1-14B-SR42 Rigid Restraint	1-0-439B 14B <sup>°</sup> OFD-124B-1.2 1-14-04	QAL-14	VT-3	NA	18.000 1.000	File OSC-376 pg. 78. Low Pressure Service Water Discharge I. E. B. 79-14, System 14B.
D02.020.105	0-SSW-H7360 Rigid Restraint	0-448K SSWOFD-129A-1.1	QAL-14	VT-3	SS	6.000 0.250	Calculaton No. OSC-6068 ;Problem No. 4-SSW-01
Class C			,				System Siphon Seal Water piping for CCW Pumps Hanger Iso# 0-4RWF-4SSW01-02. Inspect with item number F01.030.043
D02.020.106	0-SSW-H7575	• 0-448K	QAL-14	VT-3	SS	6.000	Calculaton No. OSC-6068
Class C	Rigid Restraint	SSWOFD-129A-1.1				0.250	;Problem No. 4-SSW-01 System Siphon Seal Water piping for CCW Pumps Hanger Iso# 0-4RWF-4SSW01-01.
D02.020.107	0-SSW-H7361	0-448K	QAL-14	VT-3	SS	6.000	Calculaton No. OSC-6068
Class C	Rigid Restraint	SSWOFD-129A-1.1				0.250	;Problem No. 4-SSW-01 System Siphon Seal Water piping for CCW Pumps Hanger Iso# 0-4RWF-4SSW01-01.

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Total D02.020 Items: 15

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EOC 21	C				$\zeta$			$\subset$
CATEGOR	Plan Report							
	Attachment			Inservice Insp	Oconee ection Plar	•	val 3 Outage 6	Page 32 03/19/2004
ITEM NUMBE	ER ID NUME	BER SYS	ISO/DWG NUM	BERS PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
**** Spring	Type Supports	***						
D02.040.003 Class C	1-03-H48 Spring Hgr		0-551 , OFD-121B-1.3	QAL-14	VT-3	NA	24.000 0.312	Calculation No. OS-336 Page 45a.1; Problem No. 1-03-01 Sheet 1 of 2. System 03 Auxiliary and Turbine Building.
D02.040.009 Class C	1-03A-H101 Spring Hgr		0-439C OFD-121D-1.1	QAL-14	VT-3	NA	6.000 0.500	Calculaton No. OSC-1224-19 Page 26;Problem No.1- 03A-13. System 03A AUX. SERVICE WATER PIPE
D02.040.016 Class C	1-14B-H31 Spring Hgr		1-0-400B OFD-124A-1.1	QAL-14	VT-3	NA	36.000 0.187	Calculation No. OS-395 Page 40, problem no. 1-14A-01 page 1 of 2. Low Pressure Service Water
Total D02.0 Total D02 I		8						

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EOC 21	E				(				C '	
CATEGO	RY D-C, Systems In S	upp		INSERVICE INS		LAN MANA	GEMENT			
	ent Fuel Storage Pool		II	iservice Inspecti	on Databas Oconee	-	nent System		Plan Report	
Integral	<u>Attachment</u>			Inservice Insp		-	val 3 Outage 6		Page 33 03/19/2004	
	ER ID NUMBER	SYS	ISO/DWG NUMBE	=			DIA/THK CAL BLOCKS	COMMENTS		
**** Component Supports and Restraints ****										
D03.020.006 Class C	1-56-H4 Rigid Restraint	56	4-0-4378 •• OFD-104A-1.2	QAL-14	VT-3	NA	8.000 . 0.125	Calculaton No. OS-421 Page 95;Problem No.4-56-02. System 56 Spent Fuel Cooling Fig.162 Size 8		
D03.020.007 Class C	1-56-H5 Rigid Restraint	56	4-0-437B OFD-104A-1.2	QAL-14	VT-3	NA	8.000 0.125	Calculaton No. OS-421 Page 95;Problem No.4-56-02. System 56 Spent Fuel Cooling Fig.162 Size 8		
D03.020.010 Class C	1-56-H65 Rigid Restraint	56	4-0-443 OFD-104A-1.1	QAL-14	VT-3	NA	8.000 1.000	Calculaton No. OSC-421 Page 94; Problem No.4-56-02 Spent Fuel Cooling System 56		
D03.020.011 Class C	1-56-JTC-2902 Rigid Restraint	56	0-443 OFD-104A-1.1	QAL-14	VT-3	NA	8.000 0.500	Calculaton No. OSC-421 Page 94; Problem No.4-56-02 Spent Fuel Cooling System 56		
D03.020.016 Class C	1-56-SR2 Rigid Restraint	56	0-437B OFD-104A-1.1	QAL-14	VT-3	NA	8.000 0.750	Calculaton No. OSC-1359-02 Page 28 ; Problem No.4-56-07 Spent Fuel Cooling (Suction Side) System 56		
D03.020.021 Class C	1-56-SR3 Rigid Restraint	56	0-437B OFD-104A-1.1	QAL-14	VT-3	NA	8.000 0.154	Calculaton No. OSC-1359-02 Page 28 ; Problem No.4-56-07 Spent Fuel Cooling (Suction Side) System 56		
D03.020.023 Class C	1-56-SR20 Rigid Restraint	56	0-437B OFD-104A-1.2	QAL-14	VT-3	NA	8.000 0.750	Calculaton No. OS-421 Page 95;Problem No.4-56-02. System 56 Spent Fuel Cooling		
	Rigid Restraint	56		QAL-14	VT-3	NA		Page 95;Problem No.4-56-02.		

EOC 21	$\langle \cdot \rangle$				(				(
		tems in Suppo age Pool	DN AGEMENT nent System		Plan Report				
Integral Att	tachment			Inservice insp		Page 34 03/19/2004			
ITEM NUMBER	ID NU	MBER SYS	ISO/DWG NUM	BERS PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
**** Spring Ty	ype Suppor	ls ****							
	1-56-H61 pring Hgr	56	2-0-438,Ç OFD-104A-1.1	QAL-14	VT-3	NA	8.000 . 0.125	Calculaton No. OSC-421 Page 93; Problem No.4-56-02 Spent Fuel Cooling System 56 Fig.161 Size 8	
	1-56-H62 pring Hgr	56	2-0-438C OFD-104A-1.1	QAL-14	VT-3	NA	8.000 1.000	Calculaton No. OSC-421 Page 93; Problem No.4-56-02 Spent Fuel Cooling System 56	
Total D03.040	) Items:	2				,			
Total D03 Iter	ns:	9							

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#### EOC 21 DUKE ENERGY CORPORATION **CATEGORY F-A, Supports INSERVICE INSPECTION PLAN MANAGEMENT Inservice Inspection Database Management System** Plan Report Oconee 1 Page 35 Class 2 Piping Supports 03/19/2004 Inservice Inspection Plan for Interval 3 Outage 6 **ITEM NUMBER ID NUMBER** SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS COMMENTS \*\*\*\* Category A, One-Directional \*\*\*\* F01.020.005 1-03-H6B QAL-14 **VT-3** NA Calculation No. OSC-1297-06 ; Problem No. 0-480A: 14.000 1-03-05. System 03 Steam Generator 1B. 0.500 **Rigid Restraint** 03 OFD-121B-1.3 Class B F01.020.019 1-51A-H29 1-0-439A **OAL-14** VT-3 Calculation No. OSC-1639, page 30.5; Problem No. NA 4.000 1-51-04. High Pressure Injection **Rigid Restraint** 51A OFD-101A-1.4 0.000 Class B 1-51-04 1-51A-SR59 F01.020.021 6-0-435B **QAL-14 VT-3** NA 6.000 Calculaton No. OSC-1535 Page 136; Problem No. 1-51-2 Sheet 2 of 8. System 51 0.000 **Rigid Restraint** 51A OFD-101A-1.3 Class B 1-53B-H30 F01.020.035 4-0-435B **QAL-14 VT-3** NA 14.000 Calculaton No. OS-407; 0.000 Problem No. 1-53-1;SHT.1 OF 4 PAGE#104; **Rigid Restraint** 53B OFD-102A-1.1 SYSTEM 53B; LP INJECTION LINE Class B F01.020.037 1-54A-DE10 0-435B VT-3 **QAL-14** NA 8.000 Calculaton No. OS-415 Page 50; Problem No. 1-54-2 Sheet 1 of 1. System 54A Auxiliary Building. **Rigid Restraint** 54A OFD-103A-1.1 0.125 Examine during outage 16 for surveillance item from Sway Strut Fig162 to Class B second interval. F01.020.042 1-55-H32 1-0-439C **QAL-14 VT-3** NA Calculaton No. OSC-1549 8.000 Page 101: Problem No.4-55-1 OFD-144A-1.2 0.000 **Rigid Restraint** 55 8" Component Cooling Wtr. Disch. Class B System 55-1 1-51-SR6 0-436D **VT-3** F01.020.049 **QAL-14** NA 4.000 Calc No.=OSC-1538, Page 94 Problem No.=1-51-06.Sht. 2 of 3 0.750 **Rigid Restraint** 51B OFD-101A-1.1 Class B 7 Total F01.020 Items: \*\*\*\* Category B, Multi-Directional \*\*\*\* F01.021.002 1-14B-H1 0-479A **QAL-14** VT-3 NA 6.000 Problem No: 1-14-16

 Rigid Restraint
 14B OFD-124B-1.2
 0.750

 Class B
 1-14-16
 0.750

Problem No; 1-14-16 Low Pressure Service Water Emergency Cooler 1C Outlet.

# CATEGORY F-A, Supports

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

	······		Inserv	/ice inspect	lion Database	Managen	nent System	Plan Report
Class 2	Piping Supports				Oconee 1			Page 36
			Ins	ervice Insp	03/19/2004			
ITEM NUMBE	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ M	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.021.014 Class B	1-51A-SR61 Rigid Support	51A	1-0-435C OFD-101A-1.3	QAL-14	VT-3	NA	4.000 0.000	Calculaton No. OSC-1410 Page103; Problem No. 1-51-13 . System 51 HPI CROSS CONNECT & HEADER
F01.021.016 Class B	1-53B-DE012 Rigid Restraint	53B	0-438C OFD-102A-1.1	QAL-14	VT-3	NA	12.000 0.000	Calculaton No. OS-404; Problem No. 1-53-04;SHT.1 OF 1; PAGE#39; SYSTEM 53B; DECAY HEAT REMOVAL SYS & LP INJECTION
F01.021.023 Class B	1-55-DE003 Rigid Restraint		1-0-439B OFD-144A-1.2	QAL-14	VT-3	NA	6.000 0.000	Calculaton No. OS-419 Page 75; Problem No.1-55-06 Component Cooling Sys. System 55
F01.021.031 Class B	1-51B-DE017 Rigid Restraint		436H OFD-101A-1.2	QAL-14	VT-3	NA	2.500 0.000	Calc No.=OSC-400, Page 51 Problem No.=1-51-01,Sht. 2 of 3
Total F01.0	021 Items: 5							
**** Catego	ory C, Thermal Moveme	nt ****						
F01.022.004 Class B	1-01A-H43 Hyd Snubber		1-1-0-401A OFD-122A-1.2	QAL-14	VT-3	NA	12.000 0.000	Calculaton No. OSC-321; Problem No. 1-01-2 Sht. 3 of 5. System 01A; Main Steam Bypass To Condenser. Inspect with Item No. F01.050.088.
F01.022.011 Class B	1-51A-DE001 Spring Hgr		0-435C OFD-101A-1.3	QAL-14	VT-3	NA	4.000 0.000	Calculaton No. OSC-1410 Page105; Problem No. 1-51-13 . System 51 HPI INJ.
F01.022.015 Class B	1-53B-DE055 Mech Snubber	53B	0-438C OFD-102A-1.1	QAL-14	VT-3	NA	12.000 0.000	Calculaton No. OS-404; Problem No. 1-53-04; Sht.1 of 1; Page #39; System 53B; Decay Heat RemovalL System & LP Injection. Inspect with Item No. F01.050.065.
F01.022.025 Class B	1-51-H58 Spring Hgr		0-436H OFD-101A-1.2	QAL-14	VT-3	NA	4.000 0.000	Calc No.=OSC-400, Page 50 Problem No.=1-51-01,Sht. 1 of 3

Total F01.022 Items:

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#### DUKE ENERGY CORPORATION **CATEGORY F-A. Supports** INSERVICE INSPECTION PLAN MANAGEMENT Inservice Inspection Database Management System Plan Report Oconee 1 Page 37 Class 3 Piping Supports 03/19/2004 Inservice Inspection Plan for Interval 3 Outage 6 ITEM NUMBER ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS COMMENTS \*\*\*\* Category A. One-Directional \*\*\*\* F01.030.029 1-14B-H10 QAL-14 **VT-3** 18.000 File OSC-376 pg. 78. Low Pressure Service Water 1-0-439B NA Discharge I. E. B. 79-14, System 14B. 0.000 **Rigid Restraint** 14B OFD-124B-1.2 ss to Class C 1-14-04 1-14B-MKP-0503 0-436E QAL-14 **VT-3** NA Calculation No. OSC-394, page 78; Problem No. F01.030.030 8.000 4-14-3, sh. 3. Auxiliary Feed water Lines from 0.000 **Rigid Restraint** 14B OFD-121D-1.2 Auxiliary Sevice Water Pump Class C 4-14-3 1-14B-RMC-0501 QAL-14 **VT-3** File OSC-376 pg. 78. Low Pressure Service Water F01.030.031 0-439B NA 8.000 Discharge I. E. B. 79-14, System 14B, sheet 1 of 3 **Rigid Restraint** 14B OFD-124B-1.2 0.237 Class C 1-14-04 1-14B-DE042 0-437A QAL-14 **VT-3** F01.030.032 NA 20.000 Calculaton No. OSC-1541: 0.000 Problem No. 1-14-06 SHT. 1 OF 3. System 14B OFD-124B-1.1 **Rigid Restraint** 14B;PAGE 100.1; LPSW SUPPLY TO RB Class C COMPONENT COOLERS & LP COOLERS 1A & 1B 1-14B-WJB-1001 0-436L QAL-14 **VT-3** Calculation No. OSC-394, page 79; Problem No. F01.030.033 NA 8.000 4-14-3, sh. 4. Auxiliary Feed water Lines from **Rigid Restraint** 14B OFD-121D-1.2 0.000 . Auxiliary Sevice Water Pump Class C 4-14-3 **VT-3** NA Calculaton No. OS-421 1-56-SR20 0-437B QAL-14 8.000 F01.030.040 Page 95; Problem No.4-56-02. OFD-104A-1.2 0.750 **Rigid Restraint** 56 System 56 Spent Fuel Cooling Class C QAL-14 **VT-3** SS Calculaton No. OSC-6068 F01.030.043 0-SSW-H7360 0-448K 6.000 :Problem No. 4-SSW-01 SSWOFD-129A-1.1 0.250 **Rigid Restraint** System Siphon Seal Water piping for CCW Pumps Class C Hanger Iso# 0-4RWF-4SSW01-02. 0-SSW-H7362 QAL-14 **VT-3** SS Calculaton No. OSC-6068 F01.030.044 0-448K 6.000 0.000 :Problem No. 4-SSW-01 **Rigid Restraint** SSWOFD-129A-1.1

Class C

System Siphon Seal Water piping for CCW Pumps Hanger Iso# 0-4RWF-4SSW01-02.

**CATEGORY F-A, Supports** 

### DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT Inservice Inspection Database Management Syste

		Inserv	vice Inspec	tion Database	e Manager	ment System	Plan Report
Class 3	Piping Supports			Oconee 1			Page 38
	<u> </u>	Ins	ervice Ins <sub>l</sub>	pection Plan	for Inter	val 3 Outage 6	03/19/2004
ITEM NUMBI	ER ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.030.045 Class C	0-SSW-H7575 Rigid Restraint	0-448K SSWOFD-129A-1.1	QAL-14	VT-3	SS	6.000 0.250	Calculaton No. OSC-6068 ;Problem No. 4-SSW-01 System Siphon Seal Water piping for CCW Pumps Hanger Iso# 0-4RWF-4SSW01-01.
F01.030.046 Class C	1-14A-H4241 Rigid Restraint	400B 14A OFD-133A-1.1	QAL-14	VT-3 SS to	NA	6.000 0.000	Calc # OSC-395 Problem No.1- 14A-01 Hanger Iso# O-1TB-114A01-05 Low Pressure service water
Total F01.0	)30 Items: 10						
**** Catego	ory B, Multi-Directiona	1 ****					
F01.031.005 Class C	1-03A-SR28 Rigid Restraint	1-0-401B 03A OFD-121D-1.1	QAL-14	VT-3	NA	6.000 0.000	Calculaton No. OSC-343 Page 50; Problem No. 03A-10 . System 03A 6"EMER. FEED.WTR.
F01.031.007 Class C	1-07A-SR1 Rigid Restraint	0-400A 07A OFD-121A-1.8	QAL-14	VT-3	NA	8.000 0.000	Calculaton No. OSC-362 Page 57; Problem No.1-07A-2 L.P.& H.P.Condensate System 07A
F01.031.017 Class C	0-SSW-H7363 Rigid Restraint	0-448K SSWOFD-129A-1.1	QAL-14	VT-3	SS	6.000 0.000	Calculaton No. OSC-6068 ;Problem No. 4-SSW-01 System Siphon Seal Water piping for CCW Pumps Hanger Iso# 0-4RWF-4SSW01-02.
F01.031.018 Class C	0-SSW-H7361 Rigid Restraint	0-448K SSWOFD-129A-1.1	QAL-14	VT-3	SS	6.000 0.250	Calculaton No. OSC-6068 ;Problem No. 4-SSW-01 System Siphon Seal Water piping for CCW Pumps Hanger Iso# 0-4RWF-4SSW01-01.
F01.031.019 Class C	1-14A-H4242 Rigid Restraint	400B 14A OFD-133A-1.1	QAL-14	VT-3 SS to	NA	6.000 0.000	Calc # OSC-395 Problem No.1- 14A-01 Hanger Iso# O-1TB-114A01-05 Low Pressure service water
Total F01.0	031 ltems: 5						

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

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EOC 21		
CATEGORY F-A, Supports	DUKE ENERGY CORPORATION	
CATEGONT F-A, Supports	INSERVICE INSPECTION PLAN MANAGEMENT	
	Inservice Inspection Database Management System	
Class 3 Piping Supports	Oconee 1	
	Inservice Inspection Plan for Interval 3 Outage 6	

Plan Report Page 39 03/19/2004

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ITEM NUMBE	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ I	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.032.003	1-03-H48 Spring Hgr	03	0-551 OFD-121B-1.3	QAL-14	VT-3	NA	24.000 0.312	Calculation No. OS-336 Page 45a.1; Problem No. 1-03-01 Sheet 1 of 2. System 03 Auxiliary and Turbine Building.
Class C							•	

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Total F01.032 Items:

1

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Class B

**CATEGORY F-A, Supports** 

### **DUKE ENERGY CORPORATION** INSERVICE INSPECTION PLAN MANAGEMENT nine Inconsting Detailage Housemant Outland 1 . .

			Inserv	ice Inspect	tion Database	Managem	ent System	Plan Report
Supports	Other Than Piping Su	pports			Oconee 1			Page 40
12. 12.			Ins	ervice Ins <sub>l</sub>	pection Plan	for Interv	al 3 Outage 6	03/19/2004
ITEM NUMBER	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
**** Class 1,	2, and 3 ****							
F01.040.018	1-RBS-PU-B	54A	OM-1201-1121 OFD-103A-1.1	QAL-14	VT-3	NA	0.000 0.000	Reactor Building Spray Pump "B" Support Legs & Pad. Class B
Class B								
F01.040.019	1-SF-COOLER-A	56	OM-210-84 OFD-104A-1.1	QAL-14	VT-3	NA	0.000 0.000	Spent Fuel Cooler "A" Support Legs. Class C
Class C								
F01.040.020	1-SF-PUMP-C	56	OM-201-1704 OFD-104A-1.1	QAL-14	VT-3	NA	0.000	Spent Fuel Pump "C" Support Legs & Pad. Class C
Class C								٩
F01.040.026	1-SF-DEMIN-TANK		OM-201-126 OFD-104A-1.2	QAL-14	VT-3	NA	0.000 0.000	Spent Fuel Demineralizer Tank Support Class C
Class C								_
F01.040.027	1-SF-FILTER-1A		OM-201-129 OFD-104A-1.2	QAL-14	VT-3	NA	0.000 0.000	Spent Fuel Filter 1A Support Class C
Class C								
F01.040.033	1-RCP-SEAL-FILTER	••••	0-437A OFD-101A-1.4	QAL-14	VT-3	NA	0.000 0.000	Reactor Coolant Pump Seal Filter 1A Support Class B
Class B								
F01.040.034	1-ESVP-1A		OFD-130A-1.1	QAL-14	VT-3	NA	0.000 0.000	Essential Siphon Vacuum Pump 1A Support Class C.
Class B								
F01.040.035	1-LDFTR-1A		OM-201-0128-001	QAL-14	VT-3	NA	0.000	Letdown Filter 1A
101.040.000			0			• • • •		

0.000

Class B.

OFD-101A-1.2

EOC 21	(		1		C							
	RY AUG, Augmented	Inspe		DUKE ENERGY CORPORATION ONS INSERVICE INSPECTION PLAN MANAGEMENT Inservice Inspection Database Management System								
Reactor	Coolant Pump Flywheels		Ins	ervice Insp	Oconee <sup>-</sup> ection Plar	•	val 3 Outage	6				
ITEM NUMBI	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL	BLOCKS	COMMENTS			
G01.001.001	1-RCP-1A1 Circumferential	50	OM-201D-38	NDE-900	UT	CS	72.000 9.500	•	The entire volum by UT at approxi			
Class A				RCP 1A1 Flywheel to					Section 7 of the			

' Plan Report Page 41 03/19/2004

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G01.001.001	1-RCP-1A1 Circumferential	50	OM-201D-38	NDE-900	UT	CS	72.000 9.500	The entire volume of the flywheel shall be examined by UT at approximately 3 year intervals. Ref.		
Class A	Onconnerentia	50			RCP 1A1	Flywheel to	0.000	Section 7 of the ISI Plan Volume 1.		
G01.001.002			OM-201D-38	NDE-900	UT	CS	72.000	The entire volume of the flywheel shall be examined		
Class A	Circumferential	50			RCP 1A2	Flywheel to	9.500	by UT at approximately 3 year intervals. Ref. Section 7 of the ISI Plan Volume 1.		
G01.001.003			OM-201D-38	NDE-900	UT	CS	72.000 9.500	The entire volume of the flywheel shall be examined by UT at approximately 3 year intervals. Ref.		
Class A	Circumferential 50 A				RCP 1B1	Flywheel to	9.500	Section 7 of the ISI Plan Volume 1. Procedure 54-ISI-117		
G01.001.003	A 1-RCP-1B1		OM-201D-38	NDE-25	MT	CS	72.000	Whenever maintenance or repair activities		
Class A	Circumferential	50			RCP 1B1	Flywheel to	9.500	necessitate flywheel removal, a surface examination of exposed surfaces and a complete volumetric examination shall be performed if the interval measured from the previous such Inspection is greater than 6 2/3 years. Ref. Section 7 of the ISI Plan Volume 1. Procedure 54-ISI-271 and Procedure 54-PT-6 were used to perform MT and PT examinations on the Flywheel.		
G01.001.004			OM-201D-38	NDE-900	UT	CS	72.000	The entire volume of the flywheel shall be examined		
Class A	Circumferential	50			RCP 1B2 Flywheel to		9.500	by UT at approximately 3 year intervals. Ref. Section 7 of the ISI Plan Volume 1.		

Total G01 Items:

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EOC 21	UG, Augmented	Inspe		INSERVIC	EINS	PECTION I	DRPORATIO PLAN MANA se Managem			
HPI Nozzle S	afe End Examination	c			spean	Oconee	-	ient oysten	•	Plan Report Page 42
		2		Inservice	insp	ection Pla	n for Interv	al 3 Outa	ge 6	03/19/2004
ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBE	RS PR	00	INSP REC	MAT/SCH	DIA/THK C	AL BLOCKS	COMMENTS
G02.001.005A 1- Class A	PDA1-46		SI OCM1r011 DM-201-597	NDE	-690	UT	CS	3.500 2.500	40410 40350	Reference Section 7 of the ISI Plan, Volume 1. 1A1 Make-Up Nozzle PC 46. Perform UT on the nozzle inside radius (knuckle area). Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
G02.001.005B 1- Class A	PDA2-46		SI OCN1-012 DM-201-597	NDE	-690	UT	CS	3.500 2.500	40410 40350	Reference Section 7 of the ISI Plan, Volume 1. 1A2 Make-Up Nozzle PC 46. Perform UT on the nozzle inside radius (knuckle area). Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
G02.001.005C 1- Class A	PDB1-46		SI OCN1-013 DM-201-597	NDE	-690	UT	CS	3.500 2.500	40410 40350	Reference Section 7 of the ISI Plan, Volume 1. 1B1 HPI Nozzle PC 46. Perform UT on the nozzle inside radius (knuckle area). Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
G02.001.005D 1- Class A	PDB2-46		SI OCN1-014 DM-201-597	NDE	-690	UT	CS	3.500 2.500	40410 40350	Reference Section 7 of the ISI Plan, Volume 1. 1B2 HPI Nozzle PC 46. Perform UT on the nozzle inside radius (knuckle area). Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
G02.001.006A 1- Circ Class A	PDA1-11 sumferential		SI OCN1-011 DM-201-597	See	Com	UT Make-Up Safe End	SS-Inconel Nozzle, PC	0.750	Component 40416	Reference Section 7 of the ISI Plan, Volume 1. 1A1 Make-Up Nozzle PC 46 to Safe End PC 47. Perform UT on the nozzle to safe end weld. Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Procedure # PDI-UT-10.

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EOC 21 CATEGORY AUG, Augmented Inspections	INSERVICE INSPE	ERGY CORPORATION ECTION PLAN MANAGEM		Plan Report
HPI Nozzle Safe End Examinations		Oconee 1	Page 43 03/19/2004	
	•	ction Plan for Interval 3	-	
ITEM NUMBERID NUMBERSYSISO/DWG NUMG02.001.006B1-PDA2-11ISI OCN1-012Circumferential51AOM-201-597Class AClass A	See Com		3.500 Component 0.750 40416	COMMENTS Reference Section 7 of the ISI Plan, Volume 1. 1A2 Make-Up Nozzle PC 46 to Safe End PC 47 . Perform UT on the nozzle to safe end weld. Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Procedure # PDI-UT-10.
G02.001.006C 1-PDB1-11 ISI OCN1-013 Circumferential 51A OM-201-597 Class A		UT SS-Inconel HPI Nozzle, PC 46 to Safe End Pc 47	3.500 Component 0.750 40416	Reference Section 7 of the ISI Plan, Volume 1. 1B1 HPI Nozzle PC 46 to Safe End PC 47. Perform UT on the nozzle to safe end weld. Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Procedure # PDI-UT-10.
G02.001.006D 1-PDB2-11 ISI OCN1-014 Circumferential 51A OM-201-597 Class A		UT SS-Inconel HPI Nozzle, PC 46 to Safe End PC 47	3.500 Component 0.750 40416	Reference Section 7 of the ISI Plan, Volume 1. 1B2 HPI Nozzle PC 46 to Safe End PC 47. Perform UT on the nozzle to safe end weld. Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Procedure # PDI-UT-10.
G02.001.007A 1-PDA1-47 ISI OCN1-011 51A OM-201-597 Class A	NDE-960	UT SS	3.500 Component 0.750	Reference Section 7 of the ISI Plan, Volume 1. Safe End PC 47 adjoining Make-Up nozzle 1A1. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
G02.001.007B 1-PDA2-47 ISI OCN1-012 51A OM-201-597 Class A	NDE-960	UT SS	3.500 Component 0.750	Reference Section 7 of the ISI Plan, Volume 1. Safe End PC 47 adjoining Make-Up nozzle 1A2. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to

ITEM NUMBER

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

HPI Nozzle Safe End Examinations

**CATEGORY AUG, Augmented Inspections** 

ID NUMBER

Oconee 1 Inservice Inspection Plan for Interval 3 Outage 6 PROC SYS ISO/DWG NUMBERS

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INSP REQ MAT/SCH DIA/THK CAL BLOCKS

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COMMENTS scheduling the fourth interval.

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G02.001.007C 1-PDB1-47	ISI OCN1-013 51A OM-201-597	NDE-960	UT	SS	3.500 Component 0.750	Safe End PC 47 adjoining HPI nozzle 1B1. Perform UT on the Safe End base metal (between the nozzle
					to safe end weld and the safe end to pipe weld). Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.	
G02.001.007D 1-PDB2-47	ISI OCN1-014 51A OM-201-597	NDE-960	UT	SS	3.500 Component 0.750	Reference Section 7 of the ISI Plan, Volume 1. Safe End PC 47 adjoining HPI nozzle 1B2. Perform
Class A						UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth Interval.
G02.001.008A 1RC-199-154	1RC-199	NDE-960	UT	SS	2.500 Component	Reference Section 7 of the ISI Plan, Volume 1. Make-Up nozzle 1A1. Perform UT on weld
Circumferential Class A	51A OFD-100A-1.1		Safe End, Pipe	PC 47 to	0.375	1RC-199-154 and adjoining base metal out to weld 1RC-199-149 (at valve 1HP-127). Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Revision 2 to iso changed weld number to 1-RC-199-154. Inspect this weld at the same time item number G04.001.029 is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
G02.001.008B 1RC-200-161	1RC-200	NDE-960	UT	SS-CS	2.500 Component	
Circumferential Class A	51A OFD 100A-1.1		Safe End f Pipe	PC 47 to	0.375	Make-Up nozzle 1A2. Perform UT on weld 1RC-200-161 and adjoining base metal out to weld 1RC-200-160 (at valve 1HP-126). Perform UT examination during outages 19 & 21 for the third

EOC 21			C.		$\langle$
CATEGORY AUG, Augmented	Inservi	ERVICE INS ice Inspect	ENERGY CORPORAT SPECTION PLAN MAN ion Database Manage Oconee 1	NAGEMENT ement System	Plan Report Page 45
ITEM NUMBER ID NUMBER	Inse SYS ISO/DWG NUMBERS	PROC	ection Plan for Inte INSP REQ MAT/SCI	erval 3 Outage 6 H DIA/THK CAL BLOCKS	03/19/2004 COMMENTS interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Inspect at the same time item number G04.001.031 is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
G02.001.008C 1RC-201-101 Class A	1RC-201 51A OFD-100A-1.1	NDE-960	UT SS Safe End PC 47 to Pipe	2.500 Component 0.375	Reference Section 7 of the ISI Plan, Volume 1. HPI nozzle 1B1. Perform UT on weld 1RC-201-101and adjoining base metal out to weld 1RC-201-97 (at valve 1HP-153). Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Revision 2 to isometric changed weld number from 1RC-201-3.Weld 1-51A-11-89 was deleted and weld 1RC-201-101 replaced it. Inspect this weld at the same time item number G04.001.003 is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
G02.001.008D 1RC-201-105 Circumferential Class A	1RC-201 51A OFD-100-1.1	NDE-960	UT SS Safe End PC 47 to Pipe	2.500 Component 0.375	Reference Section 7 of the ISI Plan, Volume 1. HPI nozzle 1B2. Perform UT on weld 1RC-201-105 and adjoining base metal out to weld 1RC-201-92 (at valve 1HP-152). Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Revision 2 to isometric changed weld number from 1RC-201-2.Weld 1-51A-11-87 was deleted and weld 1RC-201-102 replaced it. Weld 1RC-201-102 was deleted and weld 1RC-201-105 replaced it. Inspect this weld at the same time item G04.001.001 is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.

EOC 21						C
CATEGORY AUG, Augmented		DUKE E INSERVICE INS Inservice Inspecti		MANAGEMEN		Plan Report
HPI Nozzle Safe End Examinatio	ons	Inservice Insp	Oconee 1 ection Plan fo	r Interval 3 Ou	Page 46 03/19/2004	
ITEM NUMBER ID NUMBER G02.001.010A 1RC-199-149 Circumferential Class A	SYS ISO/DWG NUME 1RC-199 51A OFD-100A-1.1	BERS PROC NDE-960	UT Pipe to Viv 1HP-127	<u>T/SCH DIA/THK</u> SS 2.50 0.37	0 Component	
G02.001.010B 1RC-200-160 Circumferential Class A	1RC-200 51A OFD 100A-1.1	NDE-960	UT Pipe to Viv. 1HP-126	0.37	00 Component 75	Reference Section 7 of the ISI Plan, Volume 1. Make-Up nozzle 1A2. Perform UT on weld 1RC-200-160 (at valve 1HP-126). Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Revision 2 changed weld number from 1RC-200-8. Inspect tis weld at the same time item number G04.001.030 is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
G02.001.010C 1RC-201-97 Circumferential Class A	1RC-201 51A OFD-100A-1.1	NDE-960	UT Pipe to Viv. 1HP-153	SS 2.50 0.37	0 Component 75	Refèrence Section 7 of the ISI Plan, Volume 1. HPI nozzle 1B1. Perform UT on weld 1RC-201-4 (at valve 1HP-153). Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Revision 2 to isometric changed weld number from 1RC-201-4.Weld 1-51A-11-90 was deleted and weld 1RC-201-97 replaced it. Inspect this weld at the same time item number G04.001.004 is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.

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EOC 21 CATEGORY AUG, Augmente	Plan Report Page 47 03/19/2004				
ITEM NUMBER ID NUMBER	SYS ISO/DWG NUMBERS	PROC	Dection Plan for Inte INSP REQ MAT/SCH	I DIA/THK CAL BLOCKS	COMMENTS
G02.001.010D 1RC-201-92 Circumferential Class A	1RC-201 51A OFD-100A-1.1	NDE-960	UT SS Pipe to VIv. 1HP-152	2.500 Component 0.375	Reference Section 7 of the ISI Plan, Volume 1. HPI nozzle 1B2. Perform UT on weld 1RC-201-1 (at valve 1HP-152). Perform UT examination during outages 19 & 21 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Revision 2 to Isometric changed weld number from 1RC-201-1.Weld 1-51A-11-88 was deleted and weld 1RC-201-92 replaced it. Inspect this weld at the same time item number G04.001.002 is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.

Total G02 Items:

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EOC 21 CATEGORY AUG, Augmented Inspections CATEGORY AUG, Augmented Inspections Pressurizer Surge Line Examinations DUKE ENERGY CORPORATION UNSERVICE INSPECTION PLAN MANAGEMENT Inservice Inspection Database Management System Oconee 1								Plan Report Page 48		
1 TCSSUII.			inse	ervice Insp	ection Plar	1 for Inter	val 3 Outa	ge 6	03/19/2004	
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK C	AL BLOCKS	COMMENTS	
G03.001.002 Class A	1-PSL-133 Stress weld	50	ISI OCN1r015	NDE-600 SEE COM	UT Elbow Ba Not Applic	SS 160 se metal to cable	10.750 1.000	SEE,COM	Elbow at PC 80 to PC 83 Examine 3" band. Reference Section 7 of the ISI Plan, Volume 1. Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.	
G03.001.003 Class A	1-PSL-142 Stress weld	50	ISI OCN1-015	NDE-600 SEE COM	UT Elbow Ba Not Applic	SS 160 se metal to cable	10.750 1.000	SEE COM	Elbow at PC 80 to PC 82 Examine 3" band. Reference Section 7 of the ISI Plan, Volume 1. Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.	

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Total G03 Items:

EOC 21	(			$\zeta$				$\langle$
	AUG, Augmented Ir		ERVICE INSI	NERGY CORP PECTION PLA on Database N	N MANAG	EMENT	n	Plan Report
NRC Bulletin	<u>1 88-08</u>			Oconee 1				Page 49
	ID NUMBER	Inso SYS ISO/DWG NUMBERS	•	ection Plan fo			-	03/19/2004
TENINUMBER		STS ISO/DWG NUMBERS	PROC	INSP REQ M		IN THE C	AL BLUCKS	COMMENTS
	RC-201-105 sumferential	1RC-20, <b>1</b> 51A OFD-100A-1.1	NDE-600 SEE COM	UT Pipe to Safe-End	SS	2.500 0.375	SEE COM	Inspect 100% of weld & 1° of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1. Weld 1-51A-11-87 (iso 1-51A-11(3)) was deleted and weld 1RC-201-102 replaced it. Weld 1RC-201-102 was deleted and weld 1RC-201-105 replaced it. Inspect this weld at the same time G02.001.008D is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection. Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
	RC-201-92 cumferential	1RC-201 51A OFD-101A-1.4	NDE-600 SEE COM	UT Pipe to Valve 1HP-1	SS 52	2.500 0.375	SEE COM	Inspect 100% of weld & 1° of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1. Weld 1-51A-11-88 was deleted and weld 1RC-201-92 replaced it. Inspect this weld at the same time item number G02.001.010D is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 Inspection. Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
	RC-201-101 cumferential	1RC-201 51A OFD-101A-1.4	NDE-600 SEE COM	UT Pipe to Safe-End	SS	2.500 0.375	SEE COM	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1. This weld was listed previously as 1-51A-11-89 until iso 1-51A-11 was redrawn. Revision 2 to isometric changed weld number from 1RC-201-3.Weld 1-51A-11-89 was deleted and weld 1RC-201-101 replaced it. Inspect this weld at the same time item

EOC 21	(			(				Ç
	AUG, Augmented	Plan Report Page 50						
	<u>III 00-00</u>	Inse	ervice Inspe	Oconee 1 ection Plan fo	or Interval	3 Outag	ge 6	03/19/2004
ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ MA			-	COMMENTS number G02.001.008C is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection. Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
	1RC-201-97 rcumferential	1RC-201 51A OFD-101A-1.4	NDE-600 SEE COM	UT Pipe to Valve 1HP-1	SS 53	2.500 0.375	SEE COM	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1. This weld was listed previously as 1-51A-11-90 until iso 1-51A-11 was redrawn. Revision 2 to isometric changed weld number from 1RC-201-4.Weld 1-51A-11-90 was deleted and weld 1RC-201-97 replaced it. Inspect this weld at the same time item number G02.001.010C is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection. Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
Ci	1RC-201-91 rcumferential erm end	1RC-201 51A OFD-101A-1.4	NDE-600 NDE-12 SEE COM	UT Valve 1HP-44 Valve 1HP-15		2.500 0.375	SEE COM	Use Procedure NDE-600 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # 0-99-02157 and PIP # 0-01-04673 for examination methods and area of coverage for this item number. Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.

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EOC 21 CATEGORY AL	JG, Augmented In 18-08	Plan Report Page 51 03/19/2004						
ITEM NUMBER		SYS ISO/DWG NUMBERS		INSP REQ MA	-			COMMENTS
	:-201-96 nferential 5	1RC-201 51A OFD-10,1A-1,4	NDE-600 NDE-12 SEE COM	UT Valve 1HP-48 Valve 1HP-15		2.500 0.375	SEE COM	Use Procedure NDE-600 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # 0-99-02157 and PIP # 0-01-04673 for examination methods and area of coverage for this item number. Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
	r-200-166 nferential	1RC-200 51A	NDE-600 NDE-12 SEE COM	UT Valve 1HP-48 Valve 1HP-12		2.500 0.375	SEE COM	Use Procedure NDE-600 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # 0-99-02157 and PIP # 0-01-04673 for examination methods and area of coverage for this item number. Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
	s-199-150 nferential 5	1RC-199 51A	NDE-600 NDE-12 SEE COM	UT Valve 1HP-12 Valve 1HP-48		2.500 0.375	SEE COM	Use Procedure NDE-600 to perform a circumferential scan of the weld and half of an inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and a quarter of an inch of base metal on each side of the weld. See PIP # 0-99-02157 and PIP # 0-01-04673 for examination methods and area of coverage for this item number. Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of

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EOC 21 CATEGORY AUG, Augmented		ERVICE INS	NERGY CORP PECTION PLAI on Database M Oconee 1	N MANAC	GEMENT	ı	Plan Report Page 52
	Inse	ervice insp	ection Plan fo	or Interv	al 3 Outag	ge 6	03/19/2004
ITEM NUMBER ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ MA	TISCH I	DIA/THK C	AL BLOCKS	COMMENTS procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
G04.001.028 1RC-199-149 Circumferential Class A	1RC-199 51A OFD-100A-1.1	NDE-600 SEE COM	UT Pipe to Vlv 1HP-127	SS	2.500 0.375	Component SEE COM	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1. Revision 2 to iso changed weld number to 1-RC-199-149. Inspect this weld at the same time item number G02.001.010A is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection. Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
G04.001.029 1RC-199-154 Circumferential Class A	1RC-199 51A OFD-100A-1.1	NDE-600 SEE COM	UT Safe End, PC Pipe	SS 0 47 to		Component SEE COM	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1. Revision 2 to iso changed weld number to 1-RC-199-154. Inspect this weld at the same time item number G02.001.008A is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection. Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
G04.001.030 1RC-200-160 Circumferential Class A	1RC-200 51A OFD 100A-1.1	NDE-600 SEE COM	UT Pipe to Viv. 1HP-126	SS		Component SEE COM	Inspect 100% of weld & 1° of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1. Revision 2 changed weld number from 1RC-200-8 to 1RC-200-160. Inspect this weld at the same time item number G02.001.010B is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.

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EOC 21 CATEGORY AUG, Augn	Inser	DUKE E SERVICE INS vice Inspecti service Insp	on Database Oconee 1	AN MAN	AGEMENT nent System		Plan Report Page 53 03/19/2004
ITEM NUMBER ID NUME		PROC			DIA/THK C	-	COMMENTS Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
G04.001.031 1RC-200-161 Circumferential Class A	1RC-200 51A OFD 100A-1.1	NDE-600 SEE COM	UT Safe End I Pipe	SS PC 47 to		Component SEE COM	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1. Revision 2 changed weld number from 1RC-200-7. Inspect at the same time item number G02.001.008B is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection. Depending upon the examiners qualifications, procedure PDI-UT-2 may be used in lieu of procedure 600. If PDI-UT-2 is used, calibration block PDI-UT-2-O should be used.
Total G04.001 Items: 12	2						
Total G04 Items: 12	2						

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#### EOC 21 DUKE ENERGY CORPORATION **CATEGORY AUG, Augmented Inspections** INSERVICE INSPECTION PLAN MANAGEMENT **Inservice Inspection Database Management System Plan Report** Pressurizer Sensing/Sampling Nozzle Safe Ends Oconee 1 Page 54 Inservice Inspection Plan for Interval 3 Outage 6 03/19/2004 ITEM NUMBER **ID NUMBER** SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS COMMENTS G08.001.001 1-PZR-WP63-1 PT **ISI OCN1-002 NDE-35** CS-Inconel 1.000 The surface of the Pressurizer Sensing and Circumferential OM-201-1001 1.187 Sampling Nozzle-to-Safe End welds shall be 50 Nozzle Sensing; W-X Quad to examined by the Liquid Penetrant Method. Class A Safe End Dissimilar 1-PZR-WP63-2 **ISI OCN1-002** G08.001.002 **NDE-35** PT CS-Inconet 1.000 The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End welds shall be Circumferential 50 OM-201-1001 1.187 examined by the Liquid Penetrant Method. Nozzle Sensing; Y-Z Quad to Class A Safe End Dissimilar G08.001.003 1-PZR-WP63-3 **ISI OCN1-002** PT CS-Inconel **NDE-35** 1.000 The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End welds shall be Circumferential 50 OM-201-1001 1.187 examined by the Liquid Penetrant Method. Nozzle Sensing; Z-W Quad to Class A Safe End Dissimilar G08.001.004 1-PZR-WP63-4 **ISI OCN1-002 NDE-35** PT **CS-Inconel** 1.000 The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End welds shall be 1.187 Circumferential 50 OM-201-1001 examined by the Liquid Penetrant Method. Nozzle Sensing; W-X Quad to Class A Safe End Dissimilar G08.001.005 1-PZR-WP63-5 **ISI OCN1-002** PT **CS**-Inconel The surface of the Pressurizer Sensing and **NDE-35** 1.000 Sampling Nozzle-to-Safe End welds shall be Circumferential 50 OM-201-1001 1.187 examined by the Liquid Penetrant Method. Nozzle Sensing; Y-Z Quad to Class A Safe End Dissimilar PT 1-PZR-WP63-6 **ISI OCN1-002** G08.001.006 **NDE-35 CS-Inconel** The surface of the Pressurizer Sensing and 1.000 Sampling Nozzle-to-Safe End welds shall be Circumferential OM-201-1001 1.187 50 examined by the Liquid Penetrant Method. Nozzle Sensing; Z-W Quad to Class A Safe End Dissimilar G08.001.007 1-PZR-WP63-7 **ISI OCN1-002 NDE-35** PT CS-Inconel 1.000 The surface of the Pressurizer Sensing and 1.187 Sampling Nozzle-to-Safe End welds shall be Circumferential 50 OM-201-1001 examined by the Liquid Penetrant Method. Nozzle Sampling; Z-W Quad to Class A Safe End Dissimilar Total G08.001 Items: 7

Total G08 Items:

7

### DUKE ENERGY CORPORATION **CATEGORY AUG, Augmented Inspections** INSERVICE INSPECTION PLAN MANAGEMENT Inservice Inspection Database Management System Plan Report Oconee 1 Page 55 Circumferential Pipe Welds With A Nom. Wall 03/19/2004 Inservice Inspection Plan for Interval 3 Outage 6 Thk. < 3/8" and > NPS 4" **ITEM NUMBER ID NUMBER** SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS COMMENTS 1-53B-01-B16 PT G09.001.006 1-53B-01(2). **NDE-35** SS 14.000 . 0.250 53B OFD-102A-1.2 Circumferential Elbow to Class B Elbow 1-53B-03-18F **NDE-35** PT SS 10.000 G09.001.012 1-53B-03(3) 53B OFD-102A-1.2 0.250 Circumferential Pipe to Class B Tee 1-53B-06-26KM 1-53B-06(2) **NDE-35** PT SS 6.000 G09.001.018 53B OFD-102A-1.2 0.134 Circumferential Pipe to Class B Pipe 1-53B-12-135C PT SS G09.001.024 1-53B-12 **NDE-35** 14.000 0.250 Circumferential 53B OFD-102A-1.1 Pipe to Class B Pipe PT SS G09.001.030 1LP-104-33 1LP-104 **NDE-35** 10.000 0.165 Circumferential 54A OFD-102A-1.1 Reducer to Class B Flange G09.001.036 1-54A-03-12B 1-54A-03(2) **NDE-35** PT SS 8.000 0.250 Circumferential 54A OFD-103A-1.1 Pipe to Class B Pipe PT 1-54A-04-46C **NDE-35** SS G09.001.042 1-54A-04(2) 8.000 0.250 Circumferential 54A OFD-103A-1.1 Flange Orifice to Class B Pipe PT SS 1-51B-1-14A **NDE-35** 6.000 G09.001.045 1-51B-1 0.134 Circumferential 51B OFD-101A-1.2 Tee to Class B Elbow 8

Total G09.001 Items:

8

Total G09 Items:

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#### EOC 21 DUKE ENERGY CORPORATION **CATEGORY AUG, Augmented Inspections** INSERVICE INSPECTION PLAN MANAGEMENT Inservice Inspection Database Management System **Plan Report** Page 56 HPI System Upgrade Oconee 1 03/19/2004 Inservice Inspection Plan for Interval 3 Outage 6 **ID NUMBER** INSP REQ MAT/SCH DIA/THK CAL BLOCKS SYS ISO/DWG NUMBERS PROC **ITEM NUMBER** COMMENTS 1-51B-1-22A NDE-35 SS 3.000 1-51B-1 PT G12.001.004 Circumferential 51B OFD-101A-1.2 0.120 Elbow to Class B Pipe PT 1-51B-2-107A G12.001.007 1-51B-2 **NDE-35** SS 2.500 0.120 Circumferential 51B OFD-101A-1.2 Valve 1HP18 to Class B Elbow SS 1-51B-3 **NDE-35** PT 2.500 1-51B-3-207A G12.001.012 51B OFD-109A-1.1 0.120 Circumferential Pipe to Class B Elbow PT SS **NDE-35** G12.001.018 1-51B-6-144 1-51B-6 2.500 0.120 Circumferential 51B OFD-101A-1.2 Pipe to Class B Flange Total G12.001 Items: 4

Total G12 Items:

4

#### 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	<b>H</b> .	Indicates inspection was limited. Coverage obtained is listed
Geo. Ref. (Geometric Reflector applies only to UT)	=	Y Yes <u>N</u> No
RFR (Relief Request)	=	Y Yes <u>N</u> No
Comments	=	General and/or Detail Description

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#### DUKE ENERGY CURPORATION QUALITY ASSURANCE TECHNICAL SERVICES In-Service Inspection Database Management System Oconee 1 Inservice Inspection Listing

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Plant: Oconee 1 Oconee 1 Inservice Inspection Listing								Page 1	
Plant: Oconee	1			int Int	terval 3 Outage	6		03/19/2004	
ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS	
B02.011.002	1-PZR-WP28	50	09/26/2003	CLR	98.30%	N	Ν		
B02.011.003	1-PZR-WP4	50	09/27/2003	REC		N	Ν	This was the 3rd and final surveillance inspection. There was no detectable change in the flaw size; Therefore, there are no requirements for surveillance inspections on this item in the 4th	
			4 1 1					interval.	
B02.012.002	1-PZR-WP7-1	50	09/26/2003	CLR	•	Ν	Ν		
B02.051.001	1-LDCA-IN-V1	51A	10/03/2003	REC		Ν	Ν	Indications found were fabrications flaws that were acceptable.	
B02.051.002	1-LDCA-OUT-V4	51A	10/03/2003	REC	•••	N	Ν	Indications found were fabrications flaws and were acceptable.	
B03.110.011	1-PZR-WP26-3	50	09/28/2003	CLR	32.08%	N	Y	Relief Request will be submitted to the NRC for scanning and coverage limitations.	
B03.110.012	1-PZR-WP26-7	50	09/28/2003	CLR	32.08%	N	Y	Relief Request will be submitted to the NRC for scanning and coverage limitations.	
B03.120.011	1-PZR-WP26-3	50	09/28/2003	CLR	***	N	Ν		
B03.120.012	1-PZR-WP26-7	50	09/28/2003	CLR	•••	N	Ν		
B05.130.006	1-PDB1-2	50	10/01/2003	CLR	•••	Y	Ν		
B05.130.006A	1-PDB1-2	50	09/29/2003	CLR		N	Ν		
B05.130.006B	1-PDB1-2	50	09/24/2003	CLR	•••	N	Ν		
B05.130.010	1-PHB-17	50	11/25/2003	CLR	***	N	Ν		
B05.130.010A	1-PHB-17	50	11/25/2003	CLR	•••	N	Ν	•	
B05.130.010B	1-PHB-17	50	11/25/2003	CLR		N	Ν		
B05.130.013	1LP-140-1A	53A	11/25/2003	CLR		Y	Ν		
B05.130.013A	1LP-140-1A	53A	11/25/2003	CLR		Y	Ν		
B05.130.013B	1LP-140-1A	• 53A	11/25/2003	CLR	•••	N	Ν		
B05,140.007	1-PDB1-11	51A	09/24/2003	CLR	•••	Ν	Ν		
B05.140.008	1-PDB2-11	51A	09/24/2003	CLR		N	Ν		
B06.190.003	1-RCP-1B1-FLANGE		11/04/2003	CLR	•••	N	Ν		
B09.011.003	1-PIA1-6	50	09/29/2003	CLR		Ν	Ν		
B09.011.003A	1-PIA1-6	50	09/27/2003	CLR		Ν	Ν		
B09.011.019	1-PIA2-6	50	09/29/2003	CLR		Ν	Ν		
B09.011.019A	1-PIA2-6	50	09/29/2003	CLR		Ν	Ν		
B09.011.111	1LP-140-8A	53A	10/14/2003	CLR	85.07%	Y	Y	Relief Request will be submitted to the NRC for scanning and coverage limitations.	
B09.011.111A	1LP-140-8A	53A	10/14/2003	CLR	***	N	Ν	~	
B09.011.114	1-PSL-2	50	10/04/2003	CLR		Ν	Ν		
B09.011.114A	1-PSL-2	50	10/04/2003	CLR		Ν	Ν		
B09.011.115	1-PSL-3	50	10/03/2003	CLR		N	N		
		50	10/02/2003	CLR		N	N		

DUKE ENERGY CORPORATION

QUALITY ASSURANCE TECHNICAL SERVICES

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In-Service Inspection Database Management System Oconee 1 Inservice Inspection Listing

Plant:	Oconee
Plant	Oconee

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Plant: Oconee	1			Oconee 1	Inservice Inspe	ction Listing	1		Page 2
Plant: Oconee				lı	nterval 3 Outag	e 6			03/19/2004
ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATU	S INSP LIMITED	GEO REF	RFR	COMMENTS	
B09.011.116	1-PSL-4	50	10/03/2003	CLR		N	Ν		
B09.011.116A	1-PSL-4	50	10/02/2003	CLR	•••	Ν	Ν		
B09.011.117	1-PSL-6	50	10/03/2003	CLR		N	Ν		•
B09.011.117A	1-PSL-6	50	,10/02/2003	CLR		N	Ν	•	
B09.011.118	1-PSL-5	50	10/03/2003	CLR	•••	N	Ν		
B09.011.118A	1-PSL-5	50	10/02/2003	CLR		N	Ν		
B09.021.060	1RC-200-161	51A	09/30/2003	CLR	***	N	Ν		
B09.021.077	1RC-230-53	50	09/24/2003	CLR		Ν	Ν		
B09.031.002	1-PHB-16	50	11/25/2003	CLR	92.50%	N	Ν		
B09.031.002A	1-PHB-16	50	11/25/2003	CLR		N	Ν		
B09.032.008	1-PDB2-10	50	09/24/2003	CLR	***	Ν	Ν		
B14.010.006	1-RPV-CRD-59W60	50	10/15/2003	CLR	•••	N	Ν		
B14.010.009	1-RPV-CRD-59	50	10/15/2003	CLR		N	Ν		
B14.010.012	1-RPV-CRD-59W61	50	10/15/2003	CLR	••••	Ν	Ν		
C03.020.010	1-01A-H7A	01A	10/04/2003	CLR		N	Ν		
C03.020.015	1-01A-R13	01A	10/08/2003	CLR	***	N	Ν		
C03.020.016	1-01A-R3	01A	10/08/2003	CLR		Ν	Ν		
C03.020.020	1-14B-H1	14B	10/04/2003	CLR		Ν	Ν		
C03.020.027	1-14B-H3	14B	10/04/2003	CLR		N	Ν		
C03.020.028	1-14B-H4	14B	10/04/2003	CLR	•••	N	Ν		
C03.020.045	1-53B-H2	53B	08/21/2003	CLR	•••	N	Ν		
C03.020.064	1-54A-R8	54A	08/21/2003	CLR	•••	Ν	Ν		
C03.020.083	1-51-SR6	' 51B	08/26/2003	CLR		N	Ν		
C05.011.008	1LP-128-73	53B	08/18/2003	CLR		Y	Ν		
C05.011.008A	1LP-128-73	53B	08/13/2003	CLR		N	Ν		
C05.011.009	1LP-128-74	53B	08/18/2003	CLR		Y	Ν		
C05.011.009A	1LP-128-74	53B	08/13/2003	CLR	***	N	Ν		
C05.011.010	1LP-128-75	53B	08/18/2003	CLR	***	Y	Ν		
C05.011.010A	1LP-128-75	53B	08/13/2003	CLR		N	Ν		
C05.011.011	1LP-128-76	53B	08/18/2003	CLR		Y	Ν		
C05.011.011A	1LP-128-76	53B	08/13/2003	CLR		Ν	Ν		
C05.011.012	1LP-128-77	53B	08/18/2003	CLR	•••	Y	Ν		
C05.011.012A	1LP-128-77	53B	08/13/2003	CLR		Ν	Ν		
C05.011.013	1LP-128-78	53B	08/18/2003	CLR		Y	Ν		
C05.011.013A	1LP-128-78	53B	08/13/2003	CLR		Ν	Ν		
C05.011.014	1LP-128-79	53B	08/18/2003	CLR		Y	Ν		

DUKE ENERGY CORPORATION

## QUALITY ASSURANCE TECHNICAL SERVICES

In-Service Inspection Database Management System EOC 21 Oconee 1 Inservice Inspection Listing Plant: Oconee 1 Interval 3 Outage 6 **ITEM NUMBER ID NUMBER** SYSTEM INSP DATE INSP STATUS INSP LIMITED GEO REF RFR COMMENTS C05.011.014A 1LP-128-79 53B 08/13/2003 CLR N Ν ---C05.011.015 1LP-124-22 53A CLR Y N 08/12/2003 ---C05.011.015A 1LP-124-22 53A 08/11/2003 CLR N Ν ... C05.011.016 Y 1LP-124-23 53A 108/12/2003 CLR Ν ---C05.011.016A 1LP-124-23 53A 08/11/2003 CLR Ν Ν ---C05.011.017 1LP-124-24 53A 08/12/2003 CLR N Ν ---C05.011.017A 1LP-124-24 53A 08/11/2003 CLR Ν Ν ---C05.011.018 1LP-124-25 53A 08/12/2003 CLR Y Ν .... C05.011.018A 1LP-124-25 53A CLR 08/11/2003 Ν Ν ---CLR C05.011.019 1LP-124-26 53A 08/12/2003 Ν N .... C05.011.019A 1LP-124-26 53A 08/11/2003 CLR N Ν ---C05.011.020 1LP-124-44 53A 08/12/2003 CLR Y Ν ••• 1LP-124-44 53A CLR C05.011.020A 08/11/2003 Ν N .... C05.021.017 1-51A-01-111A 51A 10/09/2003 CLR Ν Ν ... 51A N C05.021.017A 1-51A-01-111A 10/09/2003 CLR N ---C05.021.023 51A CLR N 1-51A-01-112A 10/09/2003 N ... C05.021.023A 1-51A-01-112A 51A 10/09/2003 CLR N Ν .... C05.021.029 51A Y 1-51A-01-114AC 10/14/2003 CLR N 55.55% Relief Request will be submitted to the NRC for scanning and coverage limitations. C05.021.029A 1-51A-01-114AC 51A 10/14/2003 CLR N ---Ν C05.021.034 Y 1HP-187-114 51A 08/20/2003 CLR 62.50% N Relief Request will be submitted to the NRC for scanning and coverage limitations. 1HP-187-114 CLR C05.021.034A . 51A 08/20/2003 N N ... C05.021.037 1HP-192-1 51A 08/12/2003 CLR N N ---Ν C05.021.037A 1HP-192-1 51A 08/11/2003 CLR N ---C05.021.044 1HP-324-130B 51A 08/11/2003 CLR N Ν ... C05.021.044A 1HP-324-130B 51A 08/11/2003 CLR N Ν ---C05.021.050 1-51A-02-49BA 51A CLR Υ Y 10/05/2003 62.50% Relief Request will be submitted to the NRC for scanning and coverage limitations. C05.021.050A 1-51A-02-49BA CLR Ν 51A 10/04/2003 ---N C05.021.056 1-51A-02-23BB 51A 10/05/2003 CLR 62.50% Ν Y Relief Request will be submitted to the NRC for scanning and coverage limitations. C05.021.058A 1.51A.02.23BB 51A 10/04/2003 CLR N N ... C05.021.060 1-51A-03-79B 51A 08/25/2003 CLR Ν N ...

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# QUALITY ASSURANCE TECHNICAL SERVICES

In-Service Inspection Database Management System Oconee 1 Inservice Inspection Listing

Plant: Oconee 1

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Relief Request will be submitted to the NRC for scanning and coverage limitations.		RFR	GEO BEE		INSP STATUS	INSP DATE	SYSTEM	ID NUMBER	ITEM NUMBER
	Y Relief Request			nior chinice					TEMPTOMOEIT
	coverage limita	Ŷ	N	62.50%	CLR	08/20/2003	51A	1HP-187-116	C05.021.073
Ĵ	N	N	N		CLR	08/20/2003	51A	1HP-187-116	C05.021.073A
	Ν.	Ν	Ν		CLR	,08/27/2003	51A	1HP-282-88A	C05.021.081
	N	Ν	N		CLR	08/27/2003	51A	1HP-282-88A	C05.021.081A
	Ν	Ν	Ν		CLR	08/11/2003	51A	1HP-193-24	C05.021.087
	Ν	Ν	Ν		CLR	08/11/2003	51A	1HP-193-24	C05.021.087A
	Ν	Ν	N	•••	CLR	08/11/2003	51A	1HP-324-119B	C05.021.093
	Ν	Ν	N		CLR	08/11/2003	51A	1HP-324-119B	C05.021.093A
	N	Ν	N		CLR	08/26/2003	51A	1-51A-124-19	C05.021.099
	Ν	Ν	N		CLR	08/26/2003	51A	1-51A-124-19	C05.021.099A
	Ν	Ν	N		CLR	08/27/2003	51A	1-51A-127-16	C05.021.100
	Ν	Ν	N		CLR	08/21/2003	51A	1-51A-127-16	C05.021.100A
	Ν	Ν	N	•••	CLR	10/13/2003	51A	1HP-179-119	C05.021.106
	Ν	Ν	N		CLR	10/13/2003	51A	1HP-179-119	C05.021.106A
Relief Request will be submitted to the NRC for scanning and	Y Relief Request	Y	N	65.18%	CLR	08/20/2003	51A	1HP-194-4	C05.021.111
coverage limitations.	coverage limita								
	Ν	Ν	N		CLR	08/13/2003	51A	1HP-194-4	C05.021.111A
	Ν	Ν	N	***	CLR	08/14/2003	53B	1-53B-01-87B	C05.041.001
	N	Ν	Ν		CLR	08/21/2003	53B	1LP-203-55JA	C05.041.010
	N	Ν	N		CLR	08/27/2003	53B	1-53B-12-127C	C05.041.023
	Ν	Ν	N		CLR	08/27/2003	51A	1-51A-01-12A	C05.041.029
	Ν	Ν	Y		CLR	09/30/2003	• 01A	1MS-074-14B	C05.051.003
	Ν	Ν	N		CLR	09/29/2003	01A	1MS-074-14B	C05.051.003A
	N	Ν	Y		CLR	10/05/2003	01A	1MS-065-25	C05.051.010
	Ν	Ν	N		CLR	10/08/2003	01A	1MS-065-25	C05.051.010A
	Ν	Ν	N		CLR	10/11/2003	01A	1MS-066-2	C05.051.011
	Ν	Ν	N		CLR	10/11/2003	01A	1MS-066-2	C05.051.011A
	Ν	Ν	Y	•••	CLR	11/22/2003	01A	1MS-001-19	C05.051.019
	Ν	Ν	Ν	•••	CLR	11/22/2003	01A	1MS-001-19	C05.051.019A
	Ν	Ν	Y	•••	CLR	09/30/2003	03	1-03-3-28B	C05.051.020
	N	Ν	N		CLR	09/27/2003	03	1-03-3-28B	C05.051.020A
	N		N		CLR	10/03/2003	03	1-03-3-44B	C05.051.022
	N		N		CLR	10/03/2003	03	1-03-3-44B	C05.051.022A
	Ν		Y		CLR	10/02/2003	03A	1FDW-182-9	C05.051.023
	N		N		CLR	10/02/2003	03A	1FDW-182-9	C05.051.023A
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DUKE ENERGY CORPORATION

QUALITY ASSURANCE TECHNICAL SERVICES

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	In-Service	Inspection Database Management System	
Oconee 1 Inservice Inspection Listing	Oco	onee 1 Inservice Inspection Listing	

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Plant: Oconee	1				nservice Inspe	Page 5 03/19/2004		
		OVOTEM			terval 3 Outag		050	
ITEM NUMBER C05.051.039A	ID NUMBER 1-LPSW-344-19	SYSTEM 14B	INSP DATE 08/12/2003	CLR	INSP LIMITED	N N	RFR N	COMMENTS
C05.051.045	1LPSW-345-38	14B 14B	08/13/2003	CLR	•••	N	N	
C05.051.045	1LPSW-345-38	14B	08/12/2003	CLR		N	N	
C05.081.010	1-MS15B-D-1	01A	410/10/2003	CLR		N	N	
C05.081.012	1-MS15B-A-1	01A 01A	10/10/2003	CLR		N	N	·
D02.020.003	1-01A-R10	01A 01A	09/28/2003	REP		N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be inoperable. PIP O-03-06684 was written to document the problems. The discrepancies found were not service induced; therefore, additional inspections per subparagraph -2430 of Code Case N-491 are not required. Work
D02.020.007	1-03-R8	03	10/07/2003	REC		N	N	Order 98623116 was written to correct problems. Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98627217 was written to correct problems.
D02.020.010	1-03A-DE064	03A	07/01/2003	CLR	•••	N	Ν	
D02.020.038	1-03A-SR100	03A	11/20/2003	REC		Ν	Ν	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.053	1-03A-SR65	03A	07/01/2003	CLR	•••	Ν	Ν	
D02.020.054	1-03A-SR83	03A	07/01/2003	CLR	•••	Ν	Ν	
D02.020.060	1-03A-SR95	03A	08/28/2003	REC	•••	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98632881 was written to corrrect problems.
D02.020.064	1-04A-H20	. 04A	11/18/2003	REC		Ν	Ν	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98633204 was written to correct problems.
D02.020.074•	1-08-JH-1801	08	07/01/2003	REC	•••	Ν	Ν	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98611026 was written to correct problems.
D02.020.083	1-14B-H1	14B	08/25/2003	CLR		N	Ν	
D02.020.088	1-14B-RMC-0501	14B	11/19/2003	REC		N	Ν	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98635887 was written to correct problems.
D02.020.094	1-14B-SR42	14B	11/19/2003	REC	***	Ν	Ν	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.105	0-SSW-H7360	SSW	07/01/2003	CLR		N	Ν	
D02.020.106	0-SSW-H7575	SSW	07/01/2003	CLR	***	N	Ν	
D02.020.107	0-SSW-H7361	SSW	07/01/2003	CLR	***	N	N	, , , , , , , , , , , , , , , , , , ,

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EOC 21			in-	Service Inspecti				Run D
Plant: Oconee 1	ſ				nservice Inspec		l	Page 6 03/19/2004
					erval 3 Outage			
ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE		INSP LIMITED		RFR	COMMENTS
D02.040.003	1-03-H48	03	09/21/2003	REC		N	Ν	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98623325 was written to correct problems.
D02.040.009	1-03A-H101	03A	,¶ 1/18/2003	REC	•••	N	Ν	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98631967 was written to corrrect problems.
D02.040.016	1-14B-H31	14B	07/01/2003	CLR	•••	Ν	N	
D03.020.006	1•56-H4	56	08/22/2003	REC		N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D03.020.007	1-56-H5	56	08/22/2003	REC		Ν	Ν	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D03.020.010	1-56-H65	56	11/19/2003	REC	•••	N	Ν	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98634132 was written to correct problems.
D03.020.011	1-56-JTC-2902	56	09/22/2003	CLR		N	Ν	
D03.020.016	1-56-SR2	56	08/22/2003	REC	•••	N	Ν	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98620861 was written to correct problems.
D03.020.021	1-56-SR3	56	08/22/2003	REC		Ν	Ν	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98621040 was written to correct problems.
D03.020.023	1-56-SR20	56	08/22/2003	REC	•••	Ν	Ν	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98620356 was written to correct problems.
D03.040.003	1-56-H61	56	06/18/2003	REC	 ,	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98612298 was written to correct problems.
D03.040.004	1-56-H62	56	06/18/2003	REC	•••	Ν	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.020.005	1-03-H6B	03	11/24/2003	CLR		N	Ν	
F01.020.019	1-51A-H29	51A	11/19/2003	REC		N	Ν	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.020.021	1-51A-SR59	51A	08/25/2003	REC	•••	Ν	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.020.035	1-53B-H30	53B	11/20/2003	REC		Ν	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
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Plant: Oconee	1				nservice Inspec	-		Page 7
					erval 3 Outage			03/19/2004
ITEM NUMBER	ID NUMBER	SYSTEM			INSP LIMITED	· · · · · · · · · · · · · · · · · · ·	RFR	COMMENTS
F01.020.049	1-51-SR6	51B	08/25/2003	REC		N	Ν	Discrepancies that were found were reviewed by civil engineering
								and the support was found to be acceptable for service.
F01.021.002	1-14B-H1	14B	09/28/2003	REC		N	Ν	Discrepancies that were found were reviewed by civil engineering
			4.5.00					and the support was found to be acceptable for service. Work
								Order 98624201 was written to correct problems.
F01.021.014	1-51A-SR61	51A	08/25/2003	CLR		N	N	
F01.021.016	1-53B-DE012	53B	06/18/2003	CLR		N	Ν	
F01.021.023	1-55-DE003	55	11/19/2003	REC	<b></b>	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98635881 was written to correct problems.
F01.021.031	1-51B-DE017	51B	09/28/2003	CLR		N	Ν	
F01.022.004	1-01A-H43	01A	10/06/2003	REC		N	Ν	Discrepancies that were found were reviewed by civil engineering
								and the support was found to be acceptable for service. Work Order 98635430 was written to correct problems.
F01.022.011	1-51A-DE001	51A	08/25/2003	CLR		Ν	Ν	
F01.022.015	1-53B-DE055	53B	11/18/2003	CLR		N	N	
F01.022.025	1-51-H58	51B	09/28/2003	CLR		N	Ν	
F01.030.029	1-14B-H10	14B	08/05/2003	CLR		N	N	
F01.030.030	1-14B-MKP-0503	14B	08/25/2003	REC		N	N	Discrepancies that were found were reviewed by civil engineering
								and the support was found to be acceptable for service. Work Order 98620922 was written to correct problems.
F01.030.031	1-14B-RMC-0501	14B	11/19/2003	REC		Ν	Ν	Discrepancies that were found were reviewed by civil engineering
								and the support was found to be acceptable for service. Work
		•						Order 98635887 was written to correct problems.
F01.030.032	1-14B-DE042	14B	11/19/2003	REC		N	Ν	Discrepancies that were found were reviewed by civil engineering
								and the support was found to be acceptable for service.
F01.030.033	1-14B-WJB-1001	14B	08/25/2003	CLR		Ν	Ν	
F01.030.040	1-56-SR20	56	08/22/2003	REC		Ν	Ν	Discrepancies that were found were reviewed by civil engineering
								and the support was found to be acceptable for service. Work
								Order 98620356 was written to correct problems.
F01.030.043	0-SSW-H7360	SSW	07/01/2003	CLR		Ν	Ν	
F01.030.044	0-SSW-H7362	SSW	07/01/2003	CLR	***	Ν	Ν	
F01.030.045	0-SSW-H7575	SSW	07/01/2003	CLR		Ν	Ν	
F01.030.046	1-14A-H4241	14A	07/01/2003	CLR		N	N	
F01.031.005	1-03A-SR28	03A	07/08/2003	CLR	•••	N	Ν	۱ ۱
F01.031.007	1-07A-SR1	07A	07/01/2003	CLR	•••	N	Ν	
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QUALITY ASSURANCE TECHNICAL SERVICES

In-Service Inspection Database Management System

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Plant: Oconee 1	1				service inspec	-	ł	Page 8 03/19/2004
		OVOTEN	INSP DATE		erval 3 Outage		050	
ITEM NUMBER F01.031.018	ID NUMBER 0-SSW-H7361	SYSTEM SSW	07/01/2003	CLR	INSP LIMITED	N N	RFR N	COMMENTS
F01.031.019	1-14A-H4242	14A	07/01/2003	CLR		N	N	
F01.032.003	1-03-H48	03	09/21/2003	REC		N	N	Discrepancies that were found were reviewed by civil engineering
F01.032.003	1-03-1140	03	09/21/2003	neo		14		and the support was found to be acceptable for service. Work
			4 ••					Order 98623325 was written to correct problems.
F01.040.018	1-RBS-PU-B	54A	08/25/2003	CLR		N	Ν	
F01.040.019	1-SF-COOLER-A	56	02/24/2003	CLR		Ν	Ν	
F01.040.020	1-SF-PUMP-C	56	08/22/2003	CLR		Ν	Ν	
F01.040.026	1-SF-DEMIN-TANK		09/12/2002	CLR		N	N	
F01.040.027	1-SF-FILTER-1A		09/12/2002	CLR	•••	N	Ν	
F01.040.033	1-RCP-SEAL-FILTER		08/25/2003	REC		Ν	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.040.034	1-ESVP-1A		06/18/2003	CLR	•••	N	Ν	
G01.001.001 G01.001.002 G01.001.003	1-LDFTR-1A 1-RCP-1A1 1-RCP-1A2 1-RCP-1B1	50 • 50 50	10/15/2003 09/29/2003 09/29/2003 01/09/2003	REC CLR CLR	0.00%   	N N N N	Y N N	Discrepancies that were found were viewed with a remote camera by QC and Civil Engineering. 100% of the support could not be viewed due to insulation covering some of the areas of the support. The areas of the base plates, support legs, and anchor bolts that were visible for inspection did not appear to have any degredation or damage that could raise concern about the supports structural integrity. Relief Request will be submitted to the NRC for coverage limitations.
G01.001.003A	1-RCP-181	50	01/09/2003	CLR		N	N	by Framatome. The top and bottom surfaces of the flywheel were examined by UT and found to be acceptable. Jim McArdle (Duke Level III) approved the procedure and inspection for this item number. The Reactor Coolant Pump Motor was pulled and disassembled by Framatome. The top and bottom surfaces and the bore/keyway areas of the flywheel were examined by MT and PT and found to be acceptable. Jim McArdle (Duke Level III) approved the procedures and inspections for this item number.
G01.001.004	1-RCP-1B2	50	09/28/2003	CLR		N	Ν	
G02.001.005A	1-PDA1-46	51A	10/01/2003	· CLR		N	Ν	
G02.001.005B	1-PDA2-46	51A	10/01/2003	CLR		N	Ν	

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#### QUALITY ASSURANCE TECHNICAL SERVICES In-Service Inspection Database Management System

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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE		Interval 3 Outage		RFR	COMMENTS
G02.001.005C	1-PDB1-46	51A	09/30/2003	CLR		N	N	
G02.001.005D	1-PDB2-46	51A	09/30/2003	CLR		N	N	
G02.001.006A	1-PDA1-11	51A	09/28/2003	CLR		Y	N	
G02.001.006B	1-PDA2-11	51A	;09/28/2003	CLR		Ν	Ν	
G02.001.006C	1-PDB1-11	51A	09/26/2003	CLR		Y	Ν	
G02.001.006D	1-PDB2-11	51A	09/26/2003	CLR	•••	Y	Ν	
G02.001.007A	1-PDA1-47	51A	10/04/2003	CLR		Ν	Ν	
G02.001.007B	1-PDA2-47	51A	10/04/2003	CLR	•••	Ν	Ν	
G02.001.007C	1-PDB1-47	51A	10/01/2003	CLR	•••	Ν	Ν	
G02.001.007D	1-PDB2-47	51A	10/03/2003	CLR		Ν	Ν	
G02.001.008A	1RC-199-154	51A	10/04/2003	CLR		Ν	Ν	
G02.001.008B	1RC-200-161	51A	10/04/2003	CLR	•••	Y	Ν	
G02.001.008C	1RC-201-101	51A	10/01/2003	CLR		N	Ν	
G02.001.008D	1RC-201-105	51A	10/03/2003	CLR	•••	N	Ν	
G02.001.010A	1RC-199-149	51A	10/04/2003	CLR		Ν	Ν	
G02.001.010B	1RC-200-160	51A	10/04/2003	CLR		Y	Ν	
G02.001.010C	1RC-201-97	51A	10/01/2003	CLR	•••	Ν	Ν	
G02.001.010D	1RC-201-92	51A	10/03/2003	CLR		Ν	Ν	
G03.001.002	1-PSL-133	50	10/04/2003	CLR	•••	Ν	N	
G03.001.003	1-PSL-142	50	10/04/2003	CLR		Ν	Ν	
G04.001.001	1RC-201-105	51A	10/03/2003	CLR	•••	Ν	Ν	
G04.001.002	1RC-201-92	51A	10/03/2003	CLR	•••	Ν	Ν	
G04.001.003	1RC-201-101	• 51A	10/01/2003	CLR	•••	Ν	Ν	
G04.001.004	1RC-201-97	51A	10/01/2003	CLR		Ν	Ν	
G04.001.013	1RC-201-91	51A	11/19/2003	CLR	97.24%	Ν	Ν	Ut was performed by David Zimmerman on 10-03-2003 and was
	•		•					acceptable.
G04.001.014	1RC-201-96	51A	11/19/2003	CLR	97.24%	Ν	<b>N</b> ,	Ut was performed by David Zimmerman on 10-01-2003 and was acceptable.
G04.001.020	1RC-200-166	51A	11/09/2003	CLR	97.24%	Ν	Ν	Ut was performed by David Zimmerman on 10-04-2003 and was acceptable.
G04.001.024	1RC-199-150	51A	11/09/2003	CLR	98.00%	Ν	Ν	Ut was performed by David Zimmerman on 10-04-2003 and was acceptable.
G04.001.028	1RC-199-149	51A	10/04/2003	CLR		Ν	Ν	
G04.001.029	1RC-199-154	51A	10/04/2003	CLR		N	N	۰.
G04.001.030	1RC-200-160	51A	10/04/2003	CLR		Y	N	
G04.001.031	1RC-200-161	51A	10/04/2003	CLR	•••	Ŷ	N	
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DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
In-Service Inspection Database Management System
Oconee 1 Inservice Inspection Listing

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#### EOC 21 Plant: Oconee 1

Run D Page 10 03/19/2004

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Plant: Oconee 1				Ini	terval 3 Outage	6	,	03/19/2004
ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
G08.001.002	1-PZR-WP63-2	50	09/24/2003	CLR		N	Ν	
G08.001.003	1-PZR-WP63-3	50	09/24/2003	CLR	•••	Ν	N	
G08.001.004	1-PZR-WP63-4	50	09/25/2003	CLR	•••	Ν	Ν	
G08.001.005	1-PZR-WP63-5	50	109/25/2003	CLR		Ν	Ν	
G08.001.006	1-PZR-WP63-6	50	09/25/2003	CLR	•••	Ν	Ν	
G08.001.007	1-PZR-WP63-7	50	09/24/2003	CLR	•••	Ν	Ν	
G09.001.006	1-53B-01-B16	53B	08/19/2003	CLR		N	Ν	
G09.001.012	1-53B-03-18F	53B	08/14/2003	REP		Ν	Ν	This weld weld had an indication with through-wall leakage and was not able to hold dye penetrant. PIP O-03-04954 was written to document the evaluation and corrective action for the problems with this weld. This was an elective inspection; therefore, additional exams and surveillance inspections are not required. The corrective action will be determined by engineering.
G09.001.018	1-53B-06-26KM	53B	08/21/2003	CLR	•••	Ν	Ν	
G09.001.024	1-53B-12-135C	53B	08/25/2003	CLR	•••	Ν	Ν	
G09.001.030	1LP-104-33	54A	08/19/2003	CLR		N	Ν	
G09.001.036	1-54A-03-12B	54A	08/19/2003	CLR	•••	Ν	Ν	
G09.001.042	1-54A-04-46C	54A	08/11/2003	CLR	•••	Ν	Ν	
G09.001.045	1-51B-1-14A	51B	10/08/2003	CLR		N	Ν	
G12.001.004	1•51B•1•22A	51B	10/08/2003	CLR	•••	Ν	Ν	
G12.001.007	1-51B-2-107A	51B	10/15/2003	CLR	•••	N	Ν	
G12.001.012	1-51B-3-207A	51B	08/19/2003	CLR		N	Ν	
G12.001.018	1-51B-6-144	. 51B	10/08/2003	CLR		N	Ν	

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### 4.1 <u>Reportable Indications</u>

#### EOC 21 (Outage 6) had one reportable item

PIP O-03-06684 was written to document a problem found on an attachment for hanger 1-01A-R10 (Item Number D02.020.003).The indications found during the VT-3 examination were reviewed by civil engineering and the support was found to be inoperable. The indications were not service induced; therefore, there are no additional sample examinations required and there will not be any surveillance inspections required. The support was restored to an operable status by repairing the discrepancies under Work Order # 98623116.

#### 4.2 Corrective Action

Corrective action is action taken to resolve flaws and relevant conditions, including supplemental examinations, analytical evaluations, repair / replacement activities, and corrective measures. There was one corrective action for the examinations associated with this report period.

PIP O-03-04954 was written to document a problem found during PT inspection of weld 1-53B-03-18F (Item Number (G09.001.012). This inspection is not code required (elective exam); therefore, there are no additional sample examinations required and there will not be any surveillance inspections required. Corrective action was determined by Oconee engineering. Problems were corrected under Work Order # 98623455.

#### 4.3 Corrective Measures

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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.

EOC 21 Refueling Outage Report Oconee Unit 1 Section 4

### 4.4 Limited Examinations

Limited examinations (i.e., less than or equal to 90% of the required examination coverage obtained) identified during EOC 21 (Outage 6) 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
B03.110.011	Coverage limitation (32.08%)
B03.110.012	Coverage limitation (32.08%)
B09.011.111	Coverage limitation (85.07%)
C05.021.029	Coverage limitation (55.55%)
C05.021.034	Coverage limitation (62.50%)
C05.021.050	Coverage limitation (62.50%)
C05.021.056	Coverage limitation (62.50%)
C05.021.073	Coverage limitation (62.50%)
C05.021.111	Coverage limitation (65.18%)
F01.040.035	Coverage limitation

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EOC 21 Refueling Outage Report Oconee Unit 1 Section 4

# 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 11 work orders for category 1 repair and replacement documentation for this reporting period. Work Orders 98432524-25, 98432524-16, 98432524-24, 98432524, 98432524, 98432524, 98485490, 98487570, 98487572, 98487569, and 98238683 had work completed prior to 4-29-2002 and copies of the NIS-2 forms are included in this report.

Category 2 had 112 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.

Category 3 items will be submitted in a future report. PIP # O-04-1493 was written to document the work orders that are category 3 items.

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. PSI Examination data for items listed below is on file in the Oconee Nuclear Station QA Vault.

Work Orders	Weld	ISI	Type of	Comments
	Numbers	Class	Inspection	
98432524	1MS-0001-35	2	MT/UT	
98432524	1MS-0001-36	2	MT/UT	
98432524	1MS-0062-8	2	MT/UT	
98432524	1MS-0063-28	2	MT/UT ·	
98432524	1MS-0063-29	2	MT/UT	
98432524	1MS-0063-30	2	MT/UT	
98432524	1MS-0063-39V	2	PT	
98432524	1MS-0064-17	2	MT/UT	
98432524	1MS-0065-29V	2	PT	
98432524	1MS-0065-25	2	MT/UT	

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Work Orders	Weld	ISI	Type of	Comments
	Numbers	Class	Inspection	
98432524	1MS-0065-26	2	MT/UT	
98432524	1MS-0065-27	2	MT/UT	· · · · · · · · ·
98432524	1MS-0077-24	2	MT/UT	
98432524	1MS-0077-25	2	MT/UT	
98432524	1MS-0077-26	2	MT/UT	
98432524	1MS-0077-27	2	MT/UT	
98594163	1LPS-0702-50	2	PT/RT	
98538193	1LP-0207-1	2	PT/UT	
98538193	1LP-0207-2	2	PT/UT	
98538193	1LP-0207-3	2	PT/UT	
98538193	1LP-0207-7	2	PT/UT	
98538193	1LP-0207-8	2	PT/UT	
98538193	1LP-0207-18	2	PT/UT	
98538193	1LP-0208-1	2	PT/UT	
98538193	1LP-0208-2	2	PT/UT	······
98538193	1LP-0208-3	2	PT/UT	·
98538193	1LP-0208-4	2	PT/UT	
98538193	1LP-0208-5	2	PT/UT	
98538193	1LP-0208-6	2	PT/UT	
98538193	1LP-0208-7	2	PT/UT	
98538193	1LP-0208-8	2	PT/UT	
98538193	1LP-0208-12	2	PT/UT	
98538193	1LP-0208-13	2	PT/UT	
98538193	1LP-0208-14	2	PT/UT	
98538193	1LP-0208-15	2	PT/UT	
98538193	1LP-0208-19	2	PT/UT	
98538193	1LP-0208-20	2	PT/UT	
98538193	1LP-0209-1	2	PT/UT	
98538193	1LP-0209-2	2	PT/UT	
98538193	1LP-0209-3	2	PT/UT	
98538193	1LP-0209-4	2	PT/UT	
98538193	1LP-0209-8		PT/UT	
98538193	1LP-0209-9	22	PT/UT	
98538193	1LP-0209-10	2	PT/UT	
98538193	1LP-0209-11	2	PT/UT	
98538193	1LP-0209-17	2	PT/UT	·
98538193	1LP-0209-18	2	PT/UT	· · · · · · · · · · · · · · · · · · ·
98538193	1LP-0209-24	2	PT/UT	
98538193	1LP-0209-25	2	PT/UT	
98538193	1LP-0209-23	2	PT/UT	
98538193	1LP-0209-32	2	PT/UT	
30000130				
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EOC 21 Refueling Outage Report Oconee Unit 1 Section 5

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Work Orders	Weld Numbers	ISI Class	Type of Inspection	Comments
98538193	1LP-0210-60	2	PT/UT	
98538193	1LP-0210-61	2	PT/UT	
98538193	1LP-0210-62	2	PT/UT	
98538193	1LP-0210-63	2	PT/UT	
98538193	1LP-0210-72	2	PT/UT	
98538193	1LP-0210-73	2	PT/UT	
98538193	1LP-0210-82	2	PT/UT	
98538193	1LP-0210-83	2	PT/UT	
98538193	1LP-0210-84	2	PT/UT	
98538193	1LP-0210-85	2	PT/UT	
98538193	1LP-0210-86	2	PT/UT	
98538193	1LP-0210-87	2	PT/UT	

The following are PSI Exams associated with the Steam Generator Replacement

Work Package	Vork Package Weld		Type of	Comments
	Numbers	Class	Inspection	
13065A	1RC-289-7V	1	MT/UT	
13065A	1RC-289-8V	1	MT/UT	
13065A	1RC-289-5V	1	MT/UT	
13065A	1RC-289-6V	1	MT/UT	
13065A	1A2-LS2	1	MT/UT	Long Seam
13065A	1A2-LS1	1	MT/UT	Long Seam
13065A	1A1-LS2	1	MT/UT	Long Seam
13065A	1A1-LS1	1	MT/UT	Long Seam
13065A	1B1-LS2	1	MT/UT	Long Seam
13065A	1B1-LS1	1	MT/UT	Long Seam
13065A	1B4-LS3	1	MT/UT	Long Seam
13065A	1AG1	1	UT	Weld Repair NCR
				1143
13065B	1RC-289-4V	1	MT/UT	
13065B	1RC-289-3V	1	MT/UT	
13065B	1RC-289-1V	1	MT/UT -	
13065B	1RC-289-2V	1	MT/UT	
13065B	1B3-LS2	1	MT/UT	Long Seam
13065B	1B3-LS1	1	MT/UT	Long Seam
13065B	1B2-LS2	1	MT/UT	Long Seam
13065B	1B2-LS1	1	MT/UT	Long Seam
13065B	1A3-LS2	1	MT/UT	Long Seam
13065B	1A3-LS1	1	MT/UT	Long Seam

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Nork Package		ISI	Type of	Comments
	Numbers	Class	Inspection	
13065B	1A4-LS3	1	MT/UT	Long Seam
13075A	1FDW-0207-88V	2	MT/RT	
13075B	1FDW-0182-23V	2	MT/UT	
13075B	1FDW-0182-24V	2	MT/UT	
13080A	1MS-0076-12V	2	MT/UT	
13080A	1MS-0074-15V	2	MT/UT	
13080A	1MS-0076-13V	2	MT/UT	
13080A	1MS-0074-16V	2	MT/UT	
13080B	1MS-0068-35V	2	MT/UT	
13080B	1MS-0069-35V	2	MT/UT	
13080B	1MS-0068-36V	2	MT/UT	
13080B	1MS-0069-36V	2	MT/UT	
13085A	1FDW-0250-72V	2	MT/UT	
13085A	1FDW-0250-74V	2	MT/UT	
13085A	1FDW-0250-67V	2	MT/UT	
13085A	1FDW-0250-69V	2	MT/UT	
13085B	1FDW-0249-73V	2	MT/UT	
13085B	1FDW-0249-75V	2	MT/UT	
13085B	1FDW-0249-70V	2	MT/UT	
13085B	1FDW-0249-68V	2	MT/UT	
	W-15	1	UT	steam generato
		•	<b>.</b> .	support stool to
				lower head wel
	W-2	1	MT/UT	steam generato
				primary outlet
				nozzle to
				extension weld
	W-3	1	MT/UT	steam generato
				primary outlet
•				nozzle to
*				extension weld
	W-22	1	UT	steam generato
				lower head to
•	144.00			tubesheet weld
	W-23	1	UT .	steam generato
				upper head to
	DZ 00 Dalling			tubesheet weld
	B7.30 Bolting	1	VT-1	steam generato
				upper primary
				manway bolting

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Work Package	Weld Numbers	ISI Class	Type of Inspection	Comments
	B7.30 Bolting	1	VT-1	steam generator lower primary manway bolting
	B7.30 Bolting	1	VT-1	steam generator upper primary handhole bolting
	B03.140 Inner Radii	1	VT-1	steam generator primary outlet nozzle inner radi X-1 axis
	B03.140 Inner Radii	1	VT-1	steam generator primary outlet nozzle inner rad X-2 axis
	B03.140 Inner Radii	1	VT-1	steam generato primary inlet nozzle inner rad
	W-65	2	UT	steam generato lower tubeshee to shell weld
	W-69	2	UT	steam generato upper tubeshee to shell weld
	W-127	2	MT/PT UT	main steam nozzle to shell X-1 axis
	W-128	2	MT/PT UT	main steam nozzle to shell X-2 axis
÷	W-242	2	MT/PT UT	main feedwater header pipe to cap weld
	W-243	2	MT/PT UT	main feedwater header pipe to cap weld
	W-244	2	MT/PT . UT	main feedwater header pipe to cap weld
	.W-245	2	MT/PT UT	main feedwater header pipe to cap weld

EOC 21 Refueling Outage Report Oconee Unit 1 Section 5

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Work Package -	Weld Numbers	ISI Class	Type of Inspection	Comments
	W-236	2	MT/PT UT	main feedwater header pipe to tee weld
	W-237	2.	MT/PT UT	main feedwater header pipe to tee weld
	W-238	2	MT/PT UT	main feedwater header pipe to tee weld
	W-239	2	MT/PT UT	main feedwater header pipe to tee weld
	W-240	2	MT/PT UT	main feedwater header pipe to tee weld
	W-241	2	MT/PT UT	main feedwater header pipe to tee weld
	W-261	2	MT/PT UT	aux feedwater header pipe to tee weld
	W-262	2	MT/PT UT	aux feedwater header pipe to tee weld
	W-263	2	MT/PT UT	aux feedwater header pipe to tee weld
	W-276	2	MT/PT UT	aux feedwater header pipe to cap weld
:	W-277	2	MT/PT UT	aux feedwater header pipe to cap weld

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FORM NIS-2 OWNER'S REPOR C REPAIRS OR REPLACEMENTS

	Duke Power Company						1.a Date _11/20/03	
Address	526 S. Church Street, C	Charlotte, NC 28201-1006	, • •	• • • •			Sheet1 of	8
2. Plant Address	Oconee Nuclear Statio 7800 Rochester Hwy. S					, 1		
2a. Unit	<b>ा</b> 1	Г2 Г	3 🗖 Shared	(specify Units	) 3a. Work Order # _98	3590157(R	emoval) 98590184(Reg	<u>placement)</u>
3. Work Pe	rformed By Duke Power	Company 1 -1 -1 Charlotte, NC 28201-1006				Repair O	ganization Job #	
Address Type Coc	ie Symbol Stamp N/A Au	thorization No. N/A Expirati	ion Date N/A		3b. NSM or MM # <u>ON</u>	<u>-13112 AM</u>	12 WP 11535H (Remov WP 13535H (Replacer	al) nent)
4. Identificat	tion of System <u>Reacto</u>	or_Coolant System_Class	1	<u>,</u>			······································	
5. (a) Applic	able Construction Code _	ASME III 1981	9Edition <u>N/A</u> placements 1989, No	Addenda, <u>No</u> Addenda (199		<u>Cases</u> N la for Clas		
<ul> <li>cc and</li> </ul>	d their supports.)	aired or Replaced and Repla			·			
	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)
			· · · ·				T Repaired	<b>⊡</b> No
A	Reactor Vessel Head	Babcock & Wilcox Co. Mt. Vernon, Indiana	620-0003-51-52	N-101	N/A	1969	I Replaced I Replacement	· [7] Yes
			· · · · ·				Repaired	∏i No
В	Reactor Vessel Head	Babcock & Wilcox Canada	0685-01	202	N/A	2003	Replacement	IV: Yes
							Repaired	l⊡ No
с	•		·				∏ Replacement	T Yes
							Repaired	∏ No
D			· · ·				r∐ Replaced	r⊡ Yes
							Repaired	∐ No
E			· •				Fi Replaced	∏i Yes
							Repaired	⊡ No
F							Replaced	∏i Yes

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	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.	Sheet 2 of 8
7. Desc	ription of Work <u>Replaced Unit 1 Reactor Vessel Head</u>	
8. Test	Conducted: 🗔 Hydrostatic 🔲 Pneumatic 🔀 Norminal Operating Pressure 🛛 🗖 Other 🗔 Exempt	
	Pressure <u>2155</u> psig Test Temp <u>&gt;500</u> *F	
	Pressure psig	
	Pressurepsig Test Temp °F	
9. Rem	ark: <u>Old reactor vessel head and the reactor vessel were certified under one N-1A</u> form (National Board N-101). Only the reactor vessel head was replaced during ONS outage 1EOC21. CRDMs were removed from the new reactor vessel head and installed on the new reactor vessel head in same core locations. (Applicable Manufacturer's Data Records to be Attached)	
<b></b>	CERTIFICATE OF COMPLIANCE	
of the A	certify that the statements made in the report are correct and this repair or replacement conforms to the rules SME Code, Section XI. ode Symbol Stamp N/A	
Certific	ate of Authorization No. N/A Expiration Date N/A	
Signed	Date Date 2/12/04	
	CERTIFICATE OF INSERVICE INSPECTION	
	e undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel lors and the State or Providence of <u>North Carolinal</u> and employed by <u>HSB_CT</u>	
taken o	have inspected the components described in this Owner's Report during the period <u>7/2/2</u> ; and state that to the best of my knowledge and belief, the Owner has performed examinations and corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code,	<u>63</u>
	signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied,	-
Inspect	ning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the tor nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any ising from or connected with this inspection.	
	Inspector's Signature Commissions <u>NIC//////NIABC</u> National Board, State, Providence and Endorsements	<b>—</b>
Date _	3/12/04	

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- 27		
- 22	· ·	FORM N-1A MANUFACTURERS' DATA REPORT FOR NUCLEAR VESSELS 2 10
		Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only
		620-0003-51-52 As required by the Provisions of the ASNE Code Rules wP11535H
		1. Manufactured by The Babcock & Wilcox Company Barberton, Ohio
:	فمر	(Nome and address of Manufacturer) Courtnay,
	·	2. Manufactured for Duke Power Company, Oconce Nuclear Power Station, South Carolina
	().)	2. Manufactured for Dutor computing g coorder rubicar rower boublong Double valoring
1		
i		3. Type Reactor Vessel No. (N-101) (Natl. Bd. No. N-101 Year Built 1969
		SA533B1339 1332-3 MIn. (1 20 1 20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
į		4 Shell: Marcerial SA 508CL-2 T.S 80000 Thk 12" & 8.438 In Diam 14 Fr. 0 3/8" mith 38 Fr. 3 7/16"
		4. Shell: Material <u>SA5080L-2</u> T.S <u>80000</u> Thk. <u>12<sup>11</sup> &amp; 8.438</u> In. Diam. <u>14</u> Ft. <u>0</u> <u>3/8<sup>n</sup></u> Length <u>38</u> Ft. <u>3</u> <u>7/16<sup>n</sup></u> (Kind& Spec. No.) (Min. of range specified)
1	••	Dutt Yog was Yog
		5. Seams: Long H.T. <sup>1</sup> IES X.R Efficiency %
•		
	•	Girth Butt. H.T. 1 Yes X.R. Yes No. of Courses 5
		6. Heads: (a) Material SA508-2-1332 T.S. 80000 (b) Material SA508-2-1332 T.S. 80000
	• <b>•</b> ••	· Location SA533B-1339 Crown · Knuckle Elliptical Conical Hiemapherical Flat Side to Pressure
		(Top, bottom, ends) Thickness Radius Radius Ratio Apex Angle Radius Diameter (Convex or Conceve).
	•	
	<b>*</b>	
	••••	
	•	If removable, poles used SA540-23, 60, 145,000 Other fastening
	•	(Top Head) (Material Spec. 80, T.S., Size, Number) (Describe or Allach Sketch) (Observation of the state of t
÷	• •	Hd.Flg 200"0D x 152 3/8" ID x 54503-2-(1322 511611 310 ft-16
	•	7. Constitucted for press 2500 psi at max. temp. 650 °F. at temp. of 40 ·· °F. Combination Press 3125 psi.
	•	8. Safety or Reliel Valve Outlets: Number Size Location
	•	Vacan Clark Treamaily 1958 Min Oble Austanatia Statulars Star
1	:	
	· . •	Outlet, D:aln) Number Diam. 'or, Size Type' Material Thickness . Material Allached
ľ		Core Flood ·: 2 · 12 5/8"ID Weld SA508-2-1332 2 5/16" Integral Welded
1	• •	Safe End 2 11.430"ID Weld 336-65aF8M 1,535" - Integral Welded
	• -	10. Inspection Manholes, No Size Location
1	•	Openings: Handholes, No Size Locacion
	1-1	Threaded, No Size Location
- İ		Vith Hlanco
		11. Supports: Skirt, Yes With Flange Legs Other Other (Describe) Attached. Welded (Where & How)
		12. Inlet 4 · · 28 5/8" ID _ Weld SA508-2-1332 · 2 9/16" Integral Welder
	•	
i	•	Outlet 2 36 5/8" ID Weld SA508-2-1332 3.3/16" Integral Walda
		Inst: Noz. 52
	•	C.Rod Adapter 69 .2.765" ID Weld SB-167
1	-	C.Rod Body 69 .2.765" ID Weld SB-167 .630" Integral Welder
1		Class A Reactor Vessel
i	•	(Brief description of purpose of the vessel-State Contents.)  If Postweld Heat-Treated.
. [		List other internal or external pressure with coincident temperature when applicable.
		We certify that the statements made in this report ate correct and that all details of material design, construction, and work-
		manship of this vessel conform to the ASME. Code for Nuclear Vessels.
	•••	Dave December 2, 19 69 Signed The Babcock & Wilcox Company By
	•••	Date December 2, 19 69 Signed The Babcock & Wilcox Company By
	•••	Dave December 2, 19 69 Signed The Babcock & Wilcox Company By
	••••	Dare December 2, 19 69 Signed The Babcock & Wilcox Company By Contraction Expires December 31, 1970
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	•	Dare December 2, 19 69 Signed The Babcock & Wilcox Company Certificate of Authorization Expires December 31, 1970 CERTIFICATION OF DESIGN
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1997	•	Date       December 2, 19 69 Signed The Babcock & Wilcox Company       By         Certificate of Authorization Expires       December 31, 1970         CERTIFICATION OF DESIGN         CERTIFICATION OF DESIGN         December 31, 1970         December 31, 1970         CERTIFICATION OF DESIGN         December 31, 1970         December
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		Date       December 2, 19 69       Signed The Babcock & Wilcox Company       By         Certificate of Authorization Expires       December 31, 1970         CERTIFICATION OF DESIGN         CERTIFICATION OF DESIGN         December 31, 1970         December 31, 1970         CERTIFICATION OF DESIGN         December 31, 1970         Barberton, Ohio         Barberton, Ohio         December 4 Wilcox Company         Barberton, Ohio         December 5 Babcock & Wilcox Company         December 5 Babcock & Wilcox Company <td< th=""></td<>
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		Date       December 2, 19 69 Signed The Babcock & Wilcox Company (Menulacturer)       By         Certificate of Authorization Expires       December 31, 1970         Besign 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 Glenn J. Snyder Prof. Eng.       State Va Reg. No. 2235         Stress analysis report certified by James P. Butti       Prof. Eng.       State Ohio Reg. No. 2235         Stress analysis report certified by James P. Butti       Prof. Eng.       State Ohio Reg. No. 2235         Stress analysis report certified by James P. Butti       Prof. Eng.       State Ohio Reg. No. 2235         Laberton, Unio Reg. No.       December P. Butti       Prof. Eng.       State Ohio Reg. No. 2235         Laberton, Unio Reg. No.       December P. Butti       Prof. Eng.       State Ohio Reg. No. 2235         Stress analysis report certified by James P. Butti       Prof. Eng.       State Ohio Reg. No. E-2961C         VESSEL MADE BY The Babcock & Wilcox Company       et Mount Vernon, Indiana         Laberton, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors maturitation
	, , ,	Date       December 2, 19 69 Signed The Babcock & Wilcox Company (Menulacturer)       By         Certificate of Authorization Expires       December 31, 1970         Besign 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 Glenn J. Snyder Prof. Eng.       State Va Reg. No. 2235         Stress analysis report certified by James P. Butti       Prof. Eng.       State Ohio Reg. No. 2235         Stress analysis report certified by James P. Butti       Prof. Eng.       State Ohio Reg. No. 2235         Stress analysis report certified by James P. Butti       Prof. Eng.       State Ohio Reg. No. 2235         Laberton, Unio Reg. No.       December P. Butti       Prof. Eng.       State Ohio Reg. No. 2235         Laberton, Unio Reg. No.       December P. Butti       Prof. Eng.       State Ohio Reg. No. 2235         Stress analysis report certified by James P. Butti       Prof. Eng.       State Ohio Reg. No. E-2961C         VESSEL MADE BY The Babcock & Wilcox Company       et Mount Vernon, Indiana         Laberton, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors maturitation
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Participation of the second	ر ر	Date       December 2, 19 69       Signed The Babcock & Wilcox Company       By         Certificate of Authorization Expires       December 31, 1970         Certificate of Authorization Expires         December 31, 1970         Certificate of Authorization Expires         December 31, 1970         Certificate of Authorization Expires         December 31, 1970         CERTIFICATION OF DESIGN         Design information on file at The Babcock & Wilcox Company         Barberton, Ohio         Design specifications certified by Glenn J. Snyder         Frot. Eng.         State Va Reg. No. 2235         Stress analysis report certified by James P. Butti         Prof. Eng.         State Ohio Reg. No. 2235         Stress analysis report certified by James P. Butti         Prof. Eng.         State Ohio Reg. No. 2235         State Ohio Reg. No. 529610
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		NUCLEAR PAR Required by the Pro	RTS AND APPURTE	E Code, Section III		
1. Manufactured a	nd certified by Ba	bcock & Wilcox Cana	da, 581 Coronation B	oulevard, Cambridge, (	Ontario N1R 5V	3
2.Manufactured for	r Duke Energy	Coroporation, 13225 I	lagers Ferry Road, H	untersville, NC, 28078	-8985	
3. Location of insta	allation Oconee	Nuclear Power Plant I	Jnit 3, South Carolina	·		
4. Type; 068	SECO1 (drawing no.)	See List #1 (Mar'l spec. no.)	See List #1	Irength)	(CRM)	2003 (rear 2003)
5. ASME Code, Sec	tion III, Division 1:		Addenda	(¢.ass)	(Coce Case n	1)
6. Fabricated in acco	ordance with Const. Spec. (	Div. 2 only)	Rev	ision	Date	
7 Domester J	SM/ N-2 form for he	ad forging is attached	• • •			•. •
7. Remarks: J		ad forging is anabride	•			
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<b>0</b> 11		. design	· ·	) end	th overall	
8. Nom. Thickness (in.)		mess (in.) <u>See List</u>	12 Dia. ID (ft & in.)			
9 When applicab	Ia. Certificata Holders' D	ata Reports are attached fo	or each item of this report.			••••
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Part	or Appurtenance	Board No. In Numerical Order		Part or Appurtenance Serial Number	In Numer	
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			WP13535H
	FORM N-2(back Pg. 2 of	_3)	
	Certificate Holder's Serie	al Nos. 0685-91	through
	CERTIFICATION OF DESI	GN	
esign specification certified by	M. C. Keck		10 Dec 10 1007
	(Wish sopizzile)	F.E. State	IC Reg. Nc. <u>18367</u>
lesign report* certified by	L. Vizi	· Province P.E. <del>State</del> (	Ont. Reg. No. 48244206
······································	(WORD Spitchis)	·	<u>1.63. 10</u>
We certify that the statements made in this report conforms to the rules of construction of the ASI NPT Certificate of Authorization No	ME Code, Section III, Division 1. N-2791 Expires Babcock & Wilcox Canada s	Reactor Ves	nuary 23, 2004
	(NPT Cantcate Holder)		(autorized representative)
the undersigned, holding a valid commission Ontario and employed b	Issued by the National Board of Boller and Press	sure Vessel Inspectors and t Standards & Safety Au	· ·
			· · · · · · · · · · · · · · · · · · ·
of <u>Ontario</u> have inspecte	ed these items described in this Data Report on	Juno 27/03	, and state that to the
I my knowledge and bellef, the Certificate	e Holder has fabricated these parts or appurtena	inces in accordance with the	ASME Code, Section III, Division 1.
Each part listed has been authorized for stamp	ing on the date shown above.	•	••••
By signing this certificate, neither the inspecto	r nor his employer makes any warranty, expres	sed or implied, concerning t	the equipment described in this Data
Report. Furthermore, neither the Inspector nor	his employer shall be liable in any manner for a	ny personal injury or proper	ty damage or loss of any kind arising
rom cr connected with this inspection.		•	•
Date June 27/03 signed	M R	Commissions NB10	869 ABN 450NT
	(Authorized Inspector)	(Nark E	1. (incl. endotsements) and size or prov. and no.)
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	Certificate Hold	er's Serial Nos	068S-01	through		
	National Board	Nos _	202 .	through		
1. Manufactured a 2. Manufactured fe		•		· · · · · · · · · · · · · · · · · · ·	d, Cambridge, Ontario le, NC, 28078-8985	0 N1R 5V3
3. Location of ins	tallation Oconee	Nuclear Power Pl	ant Unit 3, Sout	h Carolina		•
4. Туре; <u>06</u>	8SE001 (drawing no.)	See List #1 (Mat1 spec. no.		3 List #1 (tensile Strength)	(CAN)	2003 (year built)
5. ASME Code, Se	ection III, Division 1:	1989 (edition)	No Addenda (addenda dzie)	1(class		(Code Case no.)

List #1:

	Material Specification	Tensile Strength (Min.)
Closure Head	SA-508 Cl. 3	80 ksi
Lifting Lugs	SA-508 Cl. 3	80 ksi
CRDM Flange	SA-182 Gr. F316LN	70 ksi
CRDM Tube	SB-167 UNS N06690	69.9 ksi

List #2:	· · · · · · · · · · · · · · · · · · ·			
	Nominal Thickness	Minimum Design Thickness		
Closure Head	7.00"	4.41"		
Lifting Lugs	5.625"	5.50°		
CRDM Flange	2.75"	2.48"		
CRDM Tube	0.625"	0.204"		

Pay 75/8 NOA-02-015 15-1 WP 13535H 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 Pg. 1 of 1. Manufactured and certified by The Japan Steel Norks, Ltd., Muroran Plant/4 Charsu-machi, Muroran, Hokkaido, 051-8505 Japa. - Iname and address of NPT Ceruficate Holder! Z Manufactured for Babcock & Wilcox, 581 Coronation Blvd., Cambridge, Ostario, NIR 5V3, Canada loame and address of purchaser! 3. Location of installation \_ Oconee Nuclear Power Plant Unit 1, 2 & 3 Oconee, South Carolina iname and address! 2002 N148494W, Rev. 6 SA-508, Cl. 3 Min. BOxsi 4. Type (CRNI) (drawing po.) (maril, spec, no.) (tensile strangth) Ivear Duilt 1989 No addenda 7 5. ASME Code, Section III, Division 1: (notition) laddenda deter (class) (Code Case no.) • Date 6. Fabricated in accordance with Const. Spec. (Div. 2 only) \_ Revision Ino.1 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, AMS Cl. E309L-16 + E308L-16 8. Nom. thickness (in.) \_7.00" Min. design thickness (in.) \_7.00" Dia. 1D (ft & in.) 12'-8 7/16 Length overall (ft & in.) 6'-3 3/4! 9. When applicable, Certificate Holders' Data Reports are attached for each item of this report: National National Board No. Part or Appurtenance Board No. Part or Appurtenance in Numerical Order Serial Number in Numerical Order Serial Number . . . · . 440 1061 (26) (1) (27) (2) (28) (3) ..... (29) [4] (30) (5) (31) (6) (32) (7) (33) (8) (34) (9) (35). (10) (36). (11) (37) (12) (38) (13) (39) (14) (40) (15) ZINC (41) (16) INCOMING INSPECTION (42) (17). (43) (18) (44) (19) APR 24 2002 (45) (20). ł (46) (21) 0.0.16(47) (22) (48) (23) [49] (24) (50) (25) N/A N/A at temp. N/X Hydro. test pressure 10. Design pressure . psì. Temp. \_ · Imper applicables • 7 4.5

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 81/2 x 11, (2) information in items 2 and 3 on this Data Report i included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back - Pg 2 of \_\_\_\_]

	CERTIFICATION OF I	ESIGN		
Design specifications certified by	N/A	P.E. State .	<u>N/A</u> Be	g. noN/A
Design reporte certified by	(when applicable) N/A (when applicable)	P.E. State		ng. ng. <u>N/A</u>
	CERTIFICATE OF COM	PLIANCE		
We certify that the statements made in t conforms to the rules of construction of	this report are correct and that this (thes	e) Part		
	• • • • • • • • • • • • • • • • • • • •			÷
NPT Certificate of Authorization No.	N-2725 The Japan Steel Works, Ltd.	Expires	June 29, 20	04
Date Jan. 31, 2002 Name	Muroran Plant	<b>A</b>	1 7 80	<u> </u>
Date Name Name	INPT CartiScate Holder)	Signed .7	DY lauthorized re J. Taira	
	CERTIFICATE OF INS	PECTION ·		
of <u>ILLINOIS</u> and employed by of <u>HARTFORD</u> . CT. hav best of my knowledge and belief, the Co III, Division 1, Each part listed has been By signing this certificate, neither the in-	mission issued by the National Board of H.S.B.I. & I. Co. e inspected these items described in this ertificate Holder has fabricated these part authorized for stamping on the date sho spector nor his employer makes any wan r the inspector nor his employer shall be nected with this inspection.	Data Report on To s or appurtenances i win above. anty, expressed or in	n accordance with t	2, and state that to the ASME Cor ect the equipment cescrit

further Manutacturing 04/20/02 Sherry Vonkers 101

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BWC INCOMING INSPECTION 2002 ΔPR Q.C. 1S APPROVED

Page 8 48 WP 13535H

JOA-02-01- 15

FORM NIS-2 OWNER'S REPOR REPAIRS OR REPLACEMENTS

1. Owner	Duke Power Company				· .		1.a Date 1/13/04	
2. Plant	Oconee Nuclear Statio	Charlotte, NC 28201-1006		,			Sheet <u>1</u> of	2
	7800 Rochester Hwy.							
2a. Unit	। 1	Г2 Г	3 <b>F</b> Shared	(specify Units	)			
3. Work Pe	rformed By Duke Power	Company at a m			3a. Work Order # _		rganization Job #	-
Address	526 S. Church Street, C	Charlotte, NC 28201-1006 Ithorization No. N/A Expirat	ion Date N/A		3b. NSM or MM #	• •	-	
•							,	
	tion of System <u>Reactor</u>			-				
	able Construction Code	ASME III NF 1989	Edition <u>N/A</u> Ac placements 1989, No			<u>ses_N/A_</u> da for Clas	s MC and	
cc and	d their supports.)	aired or Replaced and Repl						
	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)
	RVH Service	· · ·					Repaired	マ No
. <b>A</b>	Structure Siesmic Shear Bars	Duke Power Company	N/A	N/A	N/A	2003	口 Replaced 反 Replacement	T Yes
<u>· ?</u>		Duke rower company		2 10/6		2000	T Repaired	L. No
		· ·					T Replaced	∏_Yes
B					<u> </u>		Replacement	
							∏ Repaired ☐ Replaced	IT No
с							E Replacement	r_ Yes
							T Repaired	l⊡ No
D		· · ·				}	I ∏ Replaced I ∏ Replacement	l∏ Yes
				, ,		<u>+ · </u>	Repaired	L. No
		÷			· .		☐ Replaced	T_ Yes
E							T_ Replacement	
					· ·		I∏ Repaired I∏ Replaced	⊡ No
F		· · · · · · · · · · · · · · · · · · ·			· ·	1	Replacement	r∐: Yes

Page 1 of 2

		•		Form NIS-2 (Ba	ck)			
NOTE:	is 8 1/2 in	. x 11 in. (2) Infor	mation in items	hes, or drawings ma 1 through 6 on this d the number of she	report is include	d on each	Shee	t 2 of 2
7. Descript	tion of Wor	k <u>Replace sies</u>	mic shear bars	on service structu	ire platform.			
8. Test Co	nducted:	F: Hydrostatic	C Pneumatic	Norminal Opera	iting Pressure	C Other P Exe	empt	
		Pressure	psig	Test	Temp	_ *F		
		Pressure	psig	Test	Temp	_ •F		
		Pressure	psig	Test	Temp	_ *F		
9. Remark				ce structure new s o these welds to th				
		(Ap	plicable Manufa	cturer's Data Record	ds to be Attache	ed)	<del></del>	
r			CERTIF	ICATE OF COMPL	IANCE			
	e Symbol S	Stamp N/A zation No. N/A			Expiration Date	N/A 74		
L		CE	RTIFICATE OF	INSERVICE INSPE	CTION	······································		$\sim$
I, the u	ndersigned	d, holding a valid	commision issu	ed by the National E	Board of Boiler a	nd Pressure Vesse	I	
to <u>3/2/2</u> taken corr Section XI By sigr concerning Inspector	54; and ective mea l. hing this ce g the exam nor his em	have insp state that to the t asures described entificate, neither to inations and con	ected the comp best of my know in this Owner's he Inspector no ective measure able in any man	onents described in ledge and belief, the Report in accordance r his employer make s described in this C ner for any personal	this Owner's Re Owner has per with the requires any warranty Owner's Report.	eport during the per formed examination rements of the ASI , expressed or imple Furthermore, neith	ns and AE Code, ied, er the	
	2 A	sint	Commis	sions NC/4	HANIRD	rc		
1	spector's S	-		National Bo	oard, State, Pro	vidence and Endor	sements	
<u>ۍ</u> _ Date	112.10	9						
<b></b>							Page 2 of 2	•

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

1. Owner	Duke Power Company	·			- · · · · ·		1.a Date 11/22/03	
Address	526 S. Church Street,	Charlotte, NC 28201-1006					Sheet1of	2
2. Plant Address	Oconee Nuclear Statio 7800 Rochester Hwy. S			1				
2a. Unit	1 ସ	°Г2 Г	3 🗖 Shared	(specify Units	) 3a, Work Order #	98590184	A	
Address		Company, , , Charlotte, NC 28201-1006 Ithorization No. N/A Expirat	ion Date N/A		3b. NSM or MM #	, Repair O	rganization Job # 2 Part AM2 WP13535H	
•	tion of System <u>Reactor (</u>		Class <u>1</u>				-	
(b) Applic cc and	d their supports.)	ASME 1989 I Utilized for Repairs or Re aired or Replaced and Repl	placements 1989, No			ode Cases da for Clas		
	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7 -	Column 8
	··········	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (ye or no)
A	Segment Flange	Framatome ANP	GN68	N/R	Installed in Core Location B6	2003	I Repaired I Replaced I Replacement	IZ No 「 Yes
В	Hold Down Bolts	Framatome ANP	6225, 6173, 5993, 6431, 5858, 5896, 6084, 6490.	N/R	Installed in Core Location B6	2003	☐ Repaired ☐ Replaced ☞ Replacement	ア No ・ 「Yes
с	Segment Flange	Framatome ANP	GN15	N/R	Installed in Core Location B8	2003	✓ Repaired ✓ Replaced ✓ Replacement	지 No 기 Yes
D	Hold Down Bolts	Framatome ANP	5903, 5930, 6466, 6375, 5923, 6127, 6487, 6052.	N/R	Installed in Core Location B8	2003	✓ Repaired ✓ Replaced ✓ Replacement	マ No て Yes
E	Segment Flange	Framatome ANP	GN71	N/R	Installed in Core Location B10	2003	☐ Repaired ☐ Replaced ☑ Replacement	I No 「Yes
F	Hold Down Bolts	Framatome ANP	6643, 6362, 6424, 6702, 6331, 6452, 6618, 6402,	, , N/R	Installed in Core Location B10	2003	☐ Repaired ☐ Replaced ☞ Replacement	マ No 「Yes

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	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.	Page 2 of 2	ý
7. Description	n of Work New segment flange and 8 hold down bolts installed on each core location.		
8. Test Cond	ucted: THydrostatic TPneumatic TNorminal Operating Pressure TOther TExempt		
	Pressure <u>2155</u> psig Test Temp <u>&gt;500</u> °F		
	Pressure psig Test Temp *F		
	Pressure psig Test Temp *F		
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.		
	(Applicable Manufacturer's Data Records to be Attached)		
	CERTIFICATE OF COMPLIANCE		
of the ASME	fy that the statements made in the report are correct and this repair or replacement conforms to the rules Code, Section XI. Symbol Stamp N/A		
Certificate of	Authorization No. N/A Expiration Date N/A		
Signed	Date <u>3/12/04</u>		
I		I	$\sim$
Inspectors a to <u>3/2/04</u> taken correc Section XI. By signin concerning t Inspector no kind arising	CERTIFICATE OF INSERVICE INSPECTION lersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel nd the State or Providence of North Carolina and employed by <u>HSB CT</u> 	-	
Date <u>3/12/04</u>	<u>.</u>		

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

1. Owner	Duke Power Company		· · · · · · · · · · · · · · · · · · ·		<u> </u>		1.a Date 11/22/03	
Address	526 S. Church Street, (	Charlotte, NC 28201-1006		,			Sheet _1 of _	2
. Plant	Oconee Nuclear Statio							
Address	7800 Rochester Hwy. S	Seneca, S.C. 29672	•		· ·			
a. Unit	<b>レ</b> 1	Γ2 Ι	3 Shared	(specify Units	<b>)</b> .			
	••••	,	•		3a. Work Order #	9859018		
	erformed By Duke Power					, Repair O	rganization Job #	
		Charlotte, NC 28201-1006 Ithorization No. N/A Expirat	ion Date N/A		3b. NSM or MM #	ON-1311	2 Part AM2_WP 13535	4
-	•							<b>→</b> .
Identifica	tion of System <u>Reactor (</u>	Coolant System	Class1			·		
(a) Applic	cable Construction Code	ASME 1989	EditionN/A	_Addenda, <u>N</u>	o Addenda/C	ode Cases	N/A	
		I Utilized for Repairs or Re	placements 1989, No	Addenda (199	2 through 1992 Adden	da for Clas	s MC and	
cc and	d their supports.)	aired or Replaced and Repl	lesoment Component	_	•			
	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
				National				ASME Code
			Manufacturer	Board	Other	Year	Repaired, Replaced,	Stamped (ye
	Name of Component	Name of Manufacturer	Serial Number	Number	Identification	Built	or Replacement	or no)
		· .					🗔 Repaired	マ No
	1	· ( .	, ·		Installed in Core		🗔 Replaced	I T Yes
A	Segment Flange	Framatome ANP	GN6	N/R	Location C5	2003	I Replacement	
			6081, 6520, 6417,		·		☐ Repaired	No No
			6550, 6522, 6530,		Installed in Core		Ti Replaced	r Yes
В	Hold Down Bolts	Framatome ANP	6700, 6485	. N/R	Location C5	2003	Replacement	
			- -	· .			Repaired	고 No
					Installed in Core		☐ Replaced	r Yes
с	Segment Flange	Framatome ANP	- GN70	N/R	Location C7	2003	I⊽ Replacement	I tes
							F: Repaired	·
		• ¥ •	6647, 6164, 6476,				Replaced	No 되
_		· · · · · · · · · · · · · · · · · · ·	6442, 6058, 6367,		Installed in Core		I Replacement	∏. Yes
D	Hold Down Bolts	Framatome ANP	6222, 6486	N/R	Location C7	2003		·
							Repaired	No V
			• ••		Installed in Core		☐ Replaced	∏ Yes
E	Segment Flange	Framatome ANP	GN73	N/R	Location C9	2003	Replacement	
							💭 Repaired	No No
			6057, 6077, 6224, 6395, 6606, 6066,	:	Installed in Core		I Replaced	T. Yes
F	Hold Down Bolts	Framatome ANP	6444, 6397	· N/R	Location C9	2003	I Replacement	1165

	Form NIS-2 (Back)	Page 2 of 2					
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. Descriptio	n of Work New segment flange and 8 hold down bolts installed on each core location.						
8. Test Conc							
	Pressure 2155psig Test Temp >500°F						
	Pressure psig Test Temp °F						
	Pressurepsig Test Temp°F						
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.						
	(Applicable Manufacturer's Data Records to be Attached)						
	CERTIFICATE OF COMPLIANCE	1					
of the ASME	fy that the statements made in the report are correct and this repair or replacement conforms to the rules E Code, Section XI. Symbol Stamp N/A f Authorization No. N/A Expiration Date N/A Date <u>3/12/04</u>						
Inspectors a to <u>3/2/04</u>	CERTIFICATE OF INSERVICE INSPECTION dersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel and the State or Providence of <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period <u>7/26/03</u> ; and state that to the best of my knowledge and belief, the Owner has performed examinations and thive measures described in this Owner's Report in accordance with the requirements of the ASME Code,	-					
By signin concerning t Inspector no	Ing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, the examinations and corrective measures described in this Owner's Report. Furthermore, neither the or his employer shall be liable in any manner for any personal injury or property damage or a loss of any from or connected with this inspection.						
Inen	Commissions NC 1444 NIABC estor's Signature National Board, State, Providence and Endorsements	-					
Date 3/12/04							

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FORM NIS-2 OWNER'S REPC As Required By The Provisions Of The ASME Code Section XI

1. Owner	Duke Power Company		·····				1.a Date 11/22/03	
Audress	s szo s. Unuren street,	Charlotte, NC 28201-1006					Sheet1 of	2
2. Plant	Oconee Nuclear Static							
Address	7800 Rochester Hwy.	Seneca, S.C. 29672						
2a. Unit	1 আ	Γ2	🗂 3 🛛 🎵 Shared	(specify Units	)			
3 Mark P	erformed By Duke Power	Company	· .		3a. Work Order #	<u>9859018</u>	4 Drganization Job #	<u> </u>
		Charlotte, NC 28201-1006	· - ·		•	, Repair C	nganization 500 #	
Туре Со	ode Symbol Stamp N/A Au	uthorization No. N/A Expirat	tion Date N/A		3b. NSM or MM #	<u>ON-1311</u>	2 Part AM2 WP 13535H	<u>1</u> .
4. Identifica	ation of System <u>Reactor (</u>	Coolant System	Class1					
	iachta Canadaustian Cada	10115					. • • • • •	
		ASME 1989 (I Utilized for Repairs or Re		Addenda, <u>N</u> Addenda (199	o Addenda /Ci	ode Cases da for Clas		
cc an	nd their supports.)		2000 B	-		,	· · · · · ·	
6. Identifica	ation of Components Rep Column 1	aired or Replaced and Rep Column 2	Column 3	s Column 4	Column 5		Column 7	Column 8
ļ	Column I	Column 2	Column 3	National	Column 5			ASME Code
			Manufacturer	Board	Other	Year	Repaired, Replaced,	Stamped (yes
	Name of Component	Name of Manufacturer	Serial Number	Number	Identification	Built	or Replacement	· or no)
					;	1 .	☐ Repaired	No No
					Installed in Core		F: Replaced	TYes .
A	Segment Flange	Framatome ANP	GN28	N/R	Location C11	1 2003	I⊽ Replacement	ļ
			6050, 6109, 5900,		·		I Repaired	o/ 되
_			6166, 5876, 6240,		Installed in Core	L	☐ Replaced	☐ Yes
В	Hold Down Bolts	Framatome ANP	6253, 5884	N/R	Location C11	2003	Replacement	ļ
			ļ.		•		Repaired	マ No
	•		•		Installed in Core		Replaced	l ∏: Yes
С	Segment Flange	Framatome ANP	<u>GN72</u>	N/R	Location D4'	2003	I⊽ Replacement	
			6160, 6699, 5878,			:	<b>∏</b> Repaired	マ No
			· 5899, 6161, 6686,		Installed in Core		<b>F</b> i Réplaced	I T Yes
D	Hold Down Bolts	Framatome ANP	6168, 5849	N/R	Location D4	2003	Replacement	
						:	☐ Repaired	I7. No
					Installed in Core		☐ Replaced	☐ Yes
E	Segment Flange	Framatome ANP	<u> </u>	N/R	Location D6 <sup>4</sup>	2003	Replacement	
			5979, 6129, 5925,				<b>∏</b> Repaired	IZ. No
		:	5979, 6129, 5925, 5910, 6136, 5907,		Installed in Core		☐ Replaced	T Yes
F	Hold Down Bolts	Framatome ANP	6682, 5939	N/R	Location D6	2003	I⊽ Replacement	1. 163

	Form NIS-2 (Back)	Page 2 of 2					
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. Descriptio	n of Work New segment flange and 8 hold down bolts installed on each core location.						
8. Test Conc	ducted: THydrostatic TPneumatic TNorminal Operating Pressure TOther TExempt						
	Pressure 2155 psig Test Temp >500 °F						
	Pressurepsig Test Temp *F						
	Pressurepsig Test Temp°F						
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.						
	(Applicable Manufacturer's Data Records to be Attached)						
	CERTIFICATE OF COMPLIANCE	]					
of the ASME	fy that the statements made in the report are correct and this repair or replacement conforms to the rules E Code, Section XI. Symbol Stamp N/A						
Certificate o	f Authorization No. N/A Expiration Date N/A						
Signed	Date Date						
L		~					
	CERTIFICATE OF INSERVICE INSPECTION dersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel and the State or Providence of <u>North Carolina</u> and employed by <u>HSB CT</u>						
	have inspected the components described in this Owner's Report during the period <u>7/26/03</u> ; and state that to the best of my knowledge and belief, the Owner has performed examinations and ctive measures described in this Owner's Report in accordance with the requirements of the ASME Code,						
concerning	ng this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, the examinations and corrective measures described in this Owner's Report. Furthermore, neither the or his employer shall be liable in any manner for any personal injury or property damage or a loss of any						
	from or connected with this inspection.						
	Commissions NC 1444 NIABC	_					
Insp	ector's Signature National Board, State, Providence and Endorsements						
Date 3/12/0	4						

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

1. Owner	Duke Power Company				- <b>3</b> - ,	<u> </u>	1.a Date 11/22/03	;
Address	526 S. Church Street,	Charlotte, NC 28201-1006					Sheet of _	2
2. Plant Address	Oconee Nuclear Statio 7800 Rochester Hwy.			,				
2a. Unit	1 प	<b>□</b> 2	□ 3 □ Shared	(specify Units	) , 3a. Work Order #	9859018	4	
Address		r Company,  -  -+ Charlotte, NC 28201-1006 uthorization No. N/A Expirat				,Repair O	rganization Job # 2 Part AM2 WP13535H	
4. Identifica	tion of System <u>Reactor (</u>	Coolant System	Class <u>1</u>	•	·		· ·	
(b) Applic cc and	cable Edition of Section X d their supports.)	ASME 1989 (I Utilized for Repairs or Re	eplacements 1989, No	Addenda (199				
6. Identifica	Column 1	aired or Replaced and Rep Column 2	lacement Components	s Column 4	Column 5	Col. 6	Column 7	Column 8
		Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other	Year Built	Repaired, Replaced,	ASME Code Stamped (ye or no)
A	Segment Flange	Framatome ANP	GN57	N/R	Installed in Core	2003	Repaired Replaced Replacement	다 No 다 Yes
в	Hold Down Bolts	• Framatome ANP	6372, 6623, 6437, 6518, 6662, 6650, 6573, 6667.	Ň/R	Installed in Core Location D8	2003	☐ Repaired ☐ Replaced ☞ Replacement	マ No 「Yes
с	, Segment Flange	Framatome ANP	GN29	N/R	Installed in Core Location D10	2003	☐ Repaired ☐ Replaced ☑ Replacement	ア No 「Yes
D	Hold Down Bolts	Framatome ANP	6062, 5946, 6133, 6609, 5928, 6381, 5861, 5957.	N/R	Installed in Core Location D10	2003	I Repaired I Replaced I Replacement	년 No 다 Yes
E	Segment Flange	Framatome ANP	GN31	N/R	Installed in Core Location D12	2003	I Repaired I Replaced I Replacement	IF No 「 Yes
F	Hold Down Bolts	- Framatome ANP	6701, 6593, 6376, 6419, 6690, 6656, 6391, 6403.	, N/R	Installed in Core	2003	☐ Repaired ☐ Replaced ☞ Replacement	Iブ 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.	Page 2 of 2	$\sim$
7. Descriptio	n of Work <u>New segment flange and 8 hold down bolts installed on each core location.</u>		
8. Test Cond	lucted: THydrostatic TPneumatic FNorminal Operating Pressure TOther TExempt		
	Pressure 2155psig Test Temp >500°F		
	Pressurepsig Test Temp*F		
	Pressurepsig Test Temp*F		
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.		
	(Applicable Manufacturer's Data Records to be Attached)		
[	CERTIFICATE OF COMPLIANCE		
of the ASME Type Code S Certificate o	fy that the statements made in the report are correct and this repair or replacement conforms to the rules Code, Section XI. Symbol Stamp N/A f Authorization No. N/A Expiration Date N/A		
Signed	Date <u>3/12/04</u>		
Inspectors a to <u>3/2/04</u> taken correct Section XI. By signin concerning to Inspector not kind arising	CERTIFICATE OF INSERVICE INSPECTION lersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel nd the State or Providence of North Carolinaand employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period <u>7/26/03</u> ; and state that to the best of my knowledge and belief, the Owner has performed examinations and tive measures described in this Owner's Report in accordance with the requirements of the ASME Code, ng this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, the examinations and corrective measures described in this Owner's Report. Furthermore, neither the r his employer shall be liable in any manner for any personal injury or property damage or a loss of any from or connected with this inspection. Commissions <u>NC 1444 NIABC</u> Retor's Signature	-	Ŭ

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

1. Owner	Duke Power Company						1.a Date 11/22/03	
Address	526 S. Church Street,	Charlotte, NC 28201-1006					Sheet <u>1</u> of	2
2. Plant	Oconee Nuclear Statio	n						
Address	7800 Rochester Hwy.	Seneca, S.C. 29672						
2a. Unit	া য		☐ 3 ☐ Shared	(specify Units	)			
			,		3a. Work Order # _	9859018		
	rformed By Duke Power		-			Repair O	rganization Job #	
		Charlotte, NC 28201-1006 Ithorization No. N/A Expiration			35 NSM or MM#	ON-1311	2 Part AM2 WP 13535H	ı .
1900 000					50. NOM 01 MM #			<u>-</u>
4. Identifica	tion of System <u>Reactor (</u>	Coolant System	Class1				•	
	able Construction Code			- Antonada M	la Aslahansia (C	ode Cases		
	cable Construction Code	Utilized for Repairs or Re	Edition <u>N/A</u>					
cc and	d their supports.)		· · · · · · · · · · · · · · · · · · ·	•				· _
6. Identifica		aired or Replaced and Rep	lacement Components			,		<u> </u>
	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8 ASME Code
		a si	Manufacturer	National Board	Other	Year	Repaired, Replaced,	Stamped (ye
	Name of Component	Name of Manufacturer	Serial Number	Number	Identification	Bullt	or Replacement	or no)
						- ,	☐ Repaired	No No
					Installed in Core		T Replaced	1
A	Segment Flange	Framatome ANP	GN10	N/R	Installed in Core Location E3	2003	Replacement	☐ Yes
	ocginent range		·····					
			6436, 6462, 6559,				☐ Repaired ☐ Replaced	No No
_		5	5911, 6196, 6449,	N/R	Installed in Core Location E3		Replaced	l⊤ Yes
В	Hold Down Bolts	Framatome ANP	6078, 5874.	N/R	Location E3	2003		·
							☐ Repaired	No 되
	•		· · · · ·	· ·	Installed in Core		Replaced	l ⊓ Yes
C	Segment Flange	Framatome ANP	GN27	N/R	Location E5	2003	Replacement	I
			5889, 6145, 6483,				I∏ Repaired	IT. No
			6380, 6031, 6523,		Installed in Core		☐ Replaced	T Yes
D	Hold Down Bolts	Framatome ANP	6330, 6473.	N/R	Location E5	2003	I⊽ Replacement	
		· · · · ·					T Repaired	177 AL
		· ·	• .	• •			F Replaced	No 되
E	Sogmont Flores	Framatome ANP	GN58	N/R	Installed in Core Location E7	2003	I Replacement	I T Yes
5	Segment Flange	rramatome ANP	6000			2003		
			6271, 6365, 6508,		· · · · ·		Repaired	I. No
			5947, 6044, 6072,		Installed in Core		<b>Replaced</b>	T Yes
F	Hold Down Bolts	Framatome ANP	6434, 6060.	N/R	Location E7	2003	Replacement	

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	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.	Page 2 of 2	$\sim$
7. Description	n of Work New segment flange and 8 hold down bolts installed on each core location.		
8. Test Cond	ucted: THydrostatic TPneumatic FNorminal Operating Pressure TOther TExempt		
	Pressure <u>2155</u> psig Test Temp <u>&gt;500</u> °F		
	Pressure psig Test Temp °F		
	Pressure psig Test Temp °F		
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.		
	(Applicable Manufacturer's Data Records to be Attached)		
	CERTIFICATE OF COMPLIANCE		
of the ASME	fy that the statements made in the report are correct and this repair or replacement conforms to the rules Code, Section XI.		
Type Code S	Symbol Stamp N/A		
Certificate of	Authorization No. N/A Expiration Date N/A		
Signed	Date_ <u>3/12/04</u>		
L			<i>.</i>
	CERTIFICATE OF INSERVICE INSPECTION lersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel nd the State or Providence of <u>North Carolina</u> and employed by <u>HSB CT</u>	_	
to <u>3/2/04</u> taken correct Section XI.	have inspected the components described in this Owner's Report during the period <u>7/26/03</u> ; and state that to the best of my knowledge and belief, the Owner has performed examinations and tive measures described in this Owner's Report in accordance with the requirements of the ASME Code,		
By signin concerning t Inspector no	g this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, he examinations and corrective measures described in this Owner's Report. Furthermore, neither the r his employer shall be liable in any manner for any personal injury or property damage or a loss of any from or connected with this inspection.		
	Commissions NC 1444 NIABC		
Insp	ector's Signature National Board, State, Providence and Endorsements	-	
Date <u>3/12/0</u> 4	<u> </u>		

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

1. Owner	Duke Power Company	•		<u> </u>		<u> </u>	1.a Date	
Address	526 S. Church Street,	Charlotte, NC 28201-1006					Sheet <u>1</u> of	2
2. Plant	Oconee Nuclear Statio				1			
Address	7800 Rochester Hwy. S	Seneca, S.C. 29672	-		4			
2a. Unit	I⊽ 1	Γ2 1	□ 3 □ Shared	(specify Units	) 3a. Work Order #	9859018	4	
	erformed By Duke Power						rganization Job #	
		Charlotte, NC 28201-1006 Ithorization No. N/A Expirat			3b. NSM or MM #	ON-1311	2 Part AM2 WP 13535H	!
4. Identifica	tion of System <u>Reactor (</u>	Coolant System	Class <u>1</u>		<u> </u>		• •	
		ASME 1989				ode Cases		
(b) Applic	cable Edition of Section X	I Utilized for Repairs or Re	placements 1989, No	Addenda (199	2 through 1992 Adden	da for Clas	s MC and	
CC and 6 Identifica	d their supports.) tion of Components Rep:	aired or Replaced and Repl	Iscement Components	•	.,	-	÷ .	
	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
			Manufacturer	National Board	Other	Year	Repaired, Replaced,	ASME Code Stamped (yes
	Name of Component	Name of Manufacturer	Serial Number	Number	Identification	Built	or Replacement	or no)
					Installed in Core	•	☐ Repaired ☐ Replaced	IT No
A	Segment Flange	Framatome ANP	GN43	: N/R	Location E9	2003	Replacement	
В	Hold Down Bolts	Framatome ANP	6587, 5897, 5872, 6405, 6658, 6087, 6108, 6661.	N/R	Installed in Core Location E9	2003	☐ Repaired ☐ Replaced ☑ Replacement	マ No 「Yes
							<b>F</b> Repaired	
C	، Segment Flange	Framatome ANP	GN23	N/R	Installed in Core Location E11	2003	☐ Replaced ☐ Replaced ☐ Replacement	マ No 「Yes 、
D	Hold Down Bolts	Framatome ANP	6188, 6455, 5866, 5944, 6378, 6516, 6711, 6460.	· N/R	Installed in Core Location E11	2003	☐ Repaired ☐ Replaced ☑ Replacement	IT No 「Yes
	TIOID DOWN BUILS		0711,0400.			2003	· · · · · · · · · · · · · · · · · · ·	<u> </u>
		1					Repaired	No V
E	Segment Flange	Framatome ANP	GN12	N/R	Installed in Core Location E13	2003	F Replaced I⊽ Replacement	r Yes
F	Hold Down Bolts	Framatome ANP	6036, 5997, 6496, 6074, 6634, 5894, 6599, 5853.	N/R	Installed in Core Location E13	2003	☐ Repaired ☐ Replaced ☑ Replacement	マ No 「Yes

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	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.	Page 2 of 2
7. Descriptio	n of Work <u>New segment flange and 8 hold down bolts installed on each core location.</u>	
8. Test Cond	lucted: Fydrostatic F Pneumatic F Norminal Operating Pressure F Other F Exempt	
	Pressure 2155psig Test Temp >500°F	
	Pressurepsig Test Temp°F	
	Pressurepsig Test Temp °F	
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.	
	(Applicable Manufacturer's Data Records to be Attached)	
r	CERTIFICATE OF COMPLIANCE	
Type Code S	E Code, Section XI. Symbol Stamp N/A f Authorization No. N/A Expiration Date N/A Date 3/12/04	
Inspectors a to <u>3/2/04</u> taken correct Section XI. By signin concerning to Inspector not kind arising	CERTIFICATE OF INSERVICE INSPECTION dersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel and the State or Providence of North Carolina and employed by <u>HSB CT</u> 	-
Date <u>311204</u>	·	

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FORM NIS-2 OWNER'S REPOL<sup>1</sup> JR REPAIRS OR REPLACEMENTS As Required By The Provisions Of The ASME Code Section XI

	Duke Power Company			· · ·	······································		1.a Date 11/22/03	
Address	526 S. Church Street, G	Charlotte, NC 28201-1006					Sheet <u>1</u> of	`
2. Plant	Oconee Nuclear Statio			· •				
Address	7800 Rochester Hwy. S	Seneca, S.C. 29672						
2a. Unit	ा र	<b>Г</b> 2	🗔 🗖 Shared	(specify Units	)			
					3a. Work Order #	98590184		
	rformed By Duke Power	Company/ / P Charlotte, NC 28201-1006				•Repair O	rganization Job #	•
		thorization No. N/A Expiration	tion Date N/A		3b. NSM or MM #	ON-1311	2 Part AM2 WP 13535H	
·	•						<i></i>	
4. Identifical	tion of System <u>Reactor C</u>	Coolant System	Class <u>1</u>			1	•	
5. (a) Applic	able Construction Code	ASME 1989	EditionN/A	Addenda, N	o Addenda/C	ode Cases	N/A	• •
(b) Applic	able Edition of Section X	I Utilized for Repairs or Re		Addenda (199	2 through 1992 Adden	da for Clas	s MC and	• •
	their supports.)	aired or Replaced and Rep	lacement Components				· · · · ·	:
U. Identineal	Column 1	Column 2	Column 3	Column 4	Column 5	. Col. 6	Column 7	Column 8
				National		1		ASME Code
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	Board Number	Other	Year Built	Repaired, Replaced, or Replacement	Stamped (yes or no)
<u> </u>	Name of Component	Name of Manufacturer	Senarivumber	i i i	identification	Buit		
						i., i	Repaired	I No €
					Installed in Core Location F2		I⊒ Replaced I⊽ Replacement	∏r Yes
<u> </u>	Segment Flange	Framatome ANP '	GN64	N/R		2003		<u> </u>
		4 A	6622, 6526, 6521,				Repaired	No No
			6183, 5864, 6322,	1	Installed in Core		IT Replaced	l
В	Hold Down Bolts	Framatome ANP	6048, 6228.	: N/R	Location F2	2003 .		
		- 1	· ·	ч.		1.	<b>Repaired</b>	No ち
	•	· ·			Installed in Core		I Replaced I Replacement	☐ Yes
<u> </u>	Segment Flange	Framatome ANP	GN9	N/R	Location F4	2003		
			6154, 6182, 6677,	· · · · · ·		· · ·	F Repaired	No J
			6654, 6504, 6091,		Installed in Core		Replaced	I <sup>—</sup> Yes
D	Hold Down Bolts	Framatome ANP	6447, 6140.	. N/R -	Location F4	2003	🔽 Replacement	
							<b>I</b> ⊂ Repaired	No No
		•		• •	Installed in Core		T Replaced	T Yes
E	Segment Flange	Framatome ANP	GN7	N/R	Location F6	2003	🔽 Replacement	
					. ,		F: Repaired	다 Nộ
			6704, 6679, 6177, 6094, 6167, 6305,		installed in Core	ł	Ti Replaced	ro Ho ∏ Yes
F	Hold Down Bolts	Framatome ANP	6438, 6527.	N/R	Location F6	2003	Replacement	

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	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.	Page 2 of 2
7. Descriptio	n of Work New segment flange and 8 hold down bolts installed on each core location.	
8. Test Cond	lucted:	
	Pressure 2155 psig Test Temp >500 °F	
	Pressurepsig Test Temp*F	
	Pressurepsig Test Temp°F	
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.	
	(Applicable Manufacturer's Data Records to be Attached)	
[	CERTIFICATE OF COMPLIANCE	
Type Code	E Code, Section XI. Symbol Stamp N/A I Authorization No. N/A Expiration Date N/A Date <u>3/12/04</u>	
I		
Inspectors a to <u>3/2/04</u> taken correct Section XI. By signin concerning to Inspector not kind arising	CERTIFICATE OF INSERVICE INSPECTION dersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel and the State or Providence of North Carolinaand employed by HSB CThave inspected the components described in this Owner's Report during the period 7/26/03; and state that to the best of my knowledge and belief, the Owner has performed examinations and ctive measures described in this Owner's Report in accordance with the requirements of the ASME Code, and this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, the examinations and corrective measures described in this Owner's Report. Furthermore, neither the or his employer shall be liable in any manner for any personal injury or property damage or a loss of any from or connected with this inspection. Commissions NC 1444 NIABC Rector's Signature	-
L		

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

1. Owner	Duke Power Company				·····		1.a Date 11/22/03	
Address	526 S. Church Street,	Charlotte, NC 28201-1006	i				Sheet <u>1</u> of	2
. Plant	Oconee Nuclear Static		÷					
Address	7800 Rochester Hwy.	Seneca, S.C. 29672						
a. Unit	<b>マ</b> 1	Γ2	□ 3 □ Shared	(specify Units	)`			
Work Pr	erformed By Duke Power	Companyl I II			3a. Work Order #	9859018 Repair O	4 rganization Job #	
Address	s 526 S. Church Street, (	Charlotte, NC 28201-1006					-	
Туре Со	de Symbol Stamp N/A Au	thorization No. N/A Expira	tion Date N/A		3b. NSM or MM #	ON-1311	2 Part AM2 WP 13535H	ļ
Identifica	ation of System <u>Reactor (</u>	Coolant System	Class 1			-		
(a) Appli	cable Construction Code	_ASME 1989_		Addanda N	la Addanda 🦷 🖉	ode Cases	N/A	
(b) Appli	cable Edition of Section X	(I Utilized for Repairs or Re	eplacements 1989, No	Addenda (199	92 through 1992 Adden			
	d their supports.)	aired or Replaced and Rep	Incoment Component	· ·	•		۰ <u>ـ</u>	
identinoa	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
			Manufacturer	National	Other	Vani	Repaired, Replaced,	ASME Cod Stamped (y
	Name of Component	Name of Manufacturer	Serial Number	Board Number	Other Identification	Year Built	or Replacement	or no)
		· · ·				· · ·	C Repaired	IT No
		· · ·			Installed in Core		☐ Replaced	T Yes
Α	Segment Flange	Framatome ANP	GN59	N/R	Location F8	2003	I Replacement	
			6497, 6446, 6628,-				☐ Repaired	No V
_		2	6469, 6012, 6482,		Installed in Core		F Replaced	T Yes
В	Hold Down Bolts	Framatome ANP	6687, 6653.	N/R	Location F8	2003	I Replacement	· · · · · · · · · · · · · · · · · · ·
			· · ·			· .	Repaired	No No
с	Segment Flange	Framatome ANP	GN33	N/R	Installed in Core Location F10	2003	Replacement	Ti Yes
	Cegment range				2000101110	2003	Repaired	
			6549, 6426, 6663, 6219, 5895, 6233,	· · ·	Installed in Core		Replaced	区 No
D	Hold Down Bolts	Framatome ANP	6137, 6134.	N/R	Location F10	2003	Replacement	1 res
				· .			Repaired	고 No
		,	· · · ·	,	Installed in Core		I ⊓ Replaced	T Yes
E	Segment Flange	Framatome ANP	GN48	N/R	Location F12	2003	I⊽ Replacement	
			6336, 6572, 6568,		•		<b>∏</b> : Repaired	No 되
			6664, 6463, 6235,	· ·	Installed in Core		T Replaced	T Yes
F	Hold Down Bolts	Framatome ANP	5975, 6484.	N/R	Location F12	2003	I⊽ Replacement	

	Form NIS-2 (Back)	
is 8 she	plemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size $1/2$ in. x 11 in. (2) Information in items 1 through 6 on this report is included on each et, and (3) each sheet is numbered and the number of sheets is recorded at the top of form.	Page 2 of 2
7. Description of V	Vork <u>New segment flange and 8 hold down bolts installed on each core location.</u>	
8. Test Conducted	I: ☐ Hydrostatic ☐ Pneumatic  ☐ Norminal Operating Pressure  ☐ Other  ☐ Exempt	
	Pressure 2155 psig Test Temp >500 °F	
	Pressurepsig Test Temp*F	
	Pressurepsig Test Temp*F	
	alled old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down is on the CRDM Core Locations Listed.	
	(Applicable Manufacturer's Data Records to be Attached)	
	CERTIFICATE OF COMPLIANCE	
	ol Stamp N/A Norization No. N/A Expiration Date N/A	
Signed	Date <u>3/12/04</u>	
Inspectors and the to <u>3/2/04</u> ; a taken corrective r Section XI. By signing this concerning the ex Inspector nor his kind arising from	CERTIFICATE OF INSERVICE INSPECTION ned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel e State or Providence of <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period <u>7/26/03</u> nd state that to the best of my knowledge and belief, the Owner has performed examinations and neasures described in this Owner's Report in accordance with the requirements of the ASME Code, a certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, traminations and corrective measures described in this Owner's Report. Furthermore, neither the employer shall be liable in any manner for any personal injury or property damage or a loss of any or connected with this inspection. Commissions <u>NC 1444 NIABC</u> National Board, State, Providence and Endorsements	- ~

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

Duke Power Company 1.a Date 11/22/03 1. Owner Address 526 S. Church Street, Charlotte, NC 28201-1006 Sheet 1 of 2 2. Plant Oconee Nuclear Station Address 7800 Rochester Hwy. Seneca, S.C. 29672 ☐ Shared (specify Units 2a. Unit V 1 **r** 2 Γ3 3a. Work Order # 98590184 -3. Work Performed By Duke Power Company 1 1 Repair Organization Job # 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-13112 Part AM2 WP 13535H 4. Identification of System Reactor Coolant System Class 1 5. (a) Applicable Construction Code ASME 1989 Edition N/A Addenda, No Addenda VCode 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 4 Column 5 Column 8 Column 2 Column 3 Col. 6 Column 7 : National ASME Code Other Year Repaired, Replaced, Stamped (yes Manufacturer Board Serial Number Number Identification Built or Replacement or no) Name of Manufacturer Name of Component Repaired No. **Replaced** Installed in Core T Yès Replacement N/R Location F14 Α Segment Flange Framatome ANP GN45 2003 Repaired No No 6645, 6666, 6668, Replaced 6384, 5914, 6693, **Installed in Core** ☐ Yes Location F14 Replacement В 5905, 6611. N/R Hold Down Bolts Framatome ANP 2003 **Repaired** I No T Replaced Installed in Core T Yes Replacement С Segment Flange **GN16** N/R Location G3 2003 Framatome ANP Repaired No. 6064, 6055, 6502, T Replaced 6124, 6121, 6142, **Installed** in Core C Yes Replacement 5916, 6107. Location G3 D Hold Down Bolts Framatome ANP N/R 2003 Repaired IN No T Replaced **Installed in Core** T Yes Replacement N/R Location G5 2003 Ε Segment Flange Framatome ANP **GN63 Repaired** No N 5933, 6223, 6440, **Replaced** 6471, 6144, 6005, **Installed In Core** T Yes ☑ Replacement 6172, 6155. N/R Location G5 F 2003 Hold Down Bolts Framatome ANP

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	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.	Page 2 of 2
7. Descriptio	n of Work <u>New segment flange and 8 hold down bolts installed on each core location.</u>	
8. Test Cond	lucted: THydrostatic TPneumatic FNorminal Operating Pressure TOther TExempt	
	Pressure 2155 psig Test Temp >500 °F	
	Pressure psig Test Temp *F	
	Pressure psig Test Temp *F	
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.	
	(Applicable Manufacturer's Data Records to be Attached)	
ſ	CERTIFICATE OF COMPLIANCE	<u>1</u>
Type Code S	E Code, Section XI. Symbol Stamp N/A f Authorization No. N/A Expiration Date N/A Date <u>3/12/04</u>	
,		
Inspectors a to <u>3/2/04</u> taken correct Section XI. By signin concerning to Inspector not kind arising	CERTIFICATE OF INSERVICE INSPECTION dersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel and the State or Providence of <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period <u>7/26/03</u> ; and state that to the best of my knowledge and belief, the Owner has performed examinations and the measures described in this Owner's Report in accordance with the requirements of the ASME Code, ing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, the examinations and corrective measures described in this Owner's Report. Furthermore, neither the the is employer shall be liable in any manner for any personal injury or property damage or a loss of any from or connected with this inspection. Commissions <u>NC 1444 NIABC</u> National Board, State, Providence and Endorsements	-
Date <u>3/12/0</u> /	4	

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

1. Owner	Duke Power Company				······································		1.a Date 11/22/03	
Address	526 S. Church Street, (	Charlotte, NC 28201-1006					Sheet <u>1</u> of	2
2. Plant Address	Oconee Nuclear Statio 7800 Rochester Hwy. S							
2a. Unit	। । रा		- 3 T Shared	(specify Units	);	!		
	, .		<b>U</b>		3a. Work Order #			
	erformed By Duke Power					• Repair O	rganization Job #	
		Charlotte, NC 28201-1006 uthorization No. N/A Expirat			3b. NSM or MM #	ON-1311	2 Part AM2 WP 13535H	
4. Identifica	ation of System <u>Reactor (</u>	Coolant System	Class1	······································	<u> </u>			
5. (a) Appli	cable Construction Code	ASME 1989	Edition N/A	Addenda, <u>N</u>		ode Cases		
		(I Utilized for Repairs or Re	placements 1989, No	Addenda (199	2 through 1992 Adder	da for Clas	s MC and	
	d their supports.)	aired or Replaced and Repl	lacement Component	•			2 * * *	*
0. identifica	I Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
			Manufacturer	National Board	Other	Year	Repaired, Replaced,	ASME Code Stamped (yes
	Name of Component	Name of Manufacturer	Serial Number	Number	Identification	Built	or Replacement	or no) 🗄
					Installed In Core		I Repaired I Replaced	IT No 「Yes
А	Segment Flange	Framatome ANP	GN22	<sup>1</sup> N/R	Location G7	2003	I Replacement	
		· · · · · · · · · · · ·	5877, 6030, 6492,				T Repaired	No No
В	Hold Down Bolts	Framatome ANP	6045, 5935, 6147, 6042, 6294.	N/R	Installed in Core Location G7	2003	다 Replaced 反 Replacement	T Yes
		•					F Repaired	マ No
с	• Segment Flange	Framatome ANP	GN30	N/R	Installed in Core Location G9	2003	I Replaced I Replacement	I <sup>™</sup> Yes
		1	5919, 6117, 5994,				<b>□</b> Repaired	IT No
		•	6176, 6477, 6138,		Installed in Core		T Replaced	☐ Yes
D	Hold Down Bolts	Framatome ANP	6689, 6063.	N/R	Location G9	2003	🔽 Replacement	
					j		<b>F</b> . Repaired	No.
				· ·	Installed in Core		F. Replaced	√ Yes
E	Segment Flange	Framatome ANP	. GN60	N/R	Location G11	2003	Replacement	
			6156, 5851, 5904,	:			E Repaired	No ସ
			6406, 6028, 5915,		Installed in Core		Replaced	T Yes
F	Hold Down Bolts	Framatome ANP	5893, 5901.	N/R	Location G11	2003	I⊽ Replacement	

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	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.	Page 2 of 2
7. Descripti	on of Work New segment flange and 8 hold down bolts installed on each core location.	
8. Test Con	iducted: THydrostatic TPneumatic TNorminal Operating Pressure TOther TExempt	
	Pressure 2155 psig Test Temp >500 °F	
	Pressurepsig Test Temp°F	
	Pressurepsig Test Temp *F	
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.	
	(Applicable Manufacturer's Data Records to be Attached)	
	CERTIFICATE OF COMPLIANCE	<u>1</u>
of the ASM Type Code	tify that the statements made in the report are correct and this repair or replacement conforms to the rules E Code, Section XI. Symbol Stamp N/A of Authorization No. N/A Expiration Date N/A	
Signed	Date <u>3/12/04</u>	
Inspectors to <u>3/2/04</u> taken corre Section XI. By signi concerning Inspector n kind arising	CERTIFICATE OF INSERVICE INSPECTION  Dedersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel and the State or Providence of North Carolina and employed by HSB CT	
Date 3/12/0	04	

FORM NIS-2 OWNER'S REPO

(

Name of Component       Name of Manufacturer       Manufacturer       Board Serial Number       Other Number       Year Identification       Replaced, or Replacement       Stamped (ye or no)         A       Segment Flange       Framatome ANP       GN41       N/R       Installed in Core Location G13       If Replaced, 2003       Fraplaced Fraplaced       From No         B       Hold Down Boits       Framatome ANP       6217, 6646, 5909, 5881, 6180, 6525, 6602, 5567.       Installed in Core Location G13       If Replaced Fraplaced       From No         C       Segment Flange       Framatome ANP       GN5       N/R       Installed in Core Location G13       If Replaced Fraplaced       From No         C       Segment Flange       Framatome ANP       GN5       N/R       Installed in Core Location H2       Fraplaced Fraplaced       From No         D       Hold Down Boits       Framatome ANP       GN5       N/R       Installed in Core Location H2       Fraplaced       From No         E       Segment Flange       Framatome ANP       Statistic Sta	1. Owner	Duke Power Company		<u> </u>	· · ·	· ·		1.a Date 11/25/03	
Address 7800 Rochester Hwy. Seneca, S.C. 29672 2a. Unit	Address	525 S. Church Street,	Charlotte, NC 28201-1006	j				Sheet1 of _	2
2a. Unit       F1       F2       F3       F Shared (specify Units									•
3. Work Performed By Duke Power Companyl, 1 Address 525 S. Church Street, Charlotte, NC 28201-1006 Type Code Symbol Stamp NA Authorization No. N/A Expiration Date N/A 4. Identification of System <u>Reactor Coolant System</u> 5. (a) Applicable Construction Code <u>ASME</u> (b) Applicable Edition of Code Cases N/A 4. Identification of Components Repaired or Replaced and Replacements 1989, No Addenda, <u>NO Addenda</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and c. and their supports.) 5. (a) Applicable Construction Code <u>ASME</u> (b) Applicable Construction XI Utilized for Repairs or Replacements 1989, No Addenda, <u>NO Addenda</u> (c) Applicable Construction XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and c. and their supports.) 6. Identification of Components Repaired or Replaced and Replacement Serial Number Name of Component Name of Manufacturer Serial Number A Segment Flange Framatome ANP GN41 N/R Location G13 Column 6 C Segment Flange Framatome ANP GN5 N/R Installed In Core C Segment Flange Framatome ANP GN5 N/R Installed In Core E Segment Flange Framatome ANP GN5 N/R Installed In Core F Replacement F Replaced F Replacement F Replaced F Replacement F Replaced F Repla	Address	7800 Rochester Hwy.	Seneca, S.C. 29672						
3. Work Performed By Duke Power Company, 4 Address 525 S. Church Street, Charlote, NC 28201-1006 Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A 4. Identification of System Reactor Coolant System Class 1 5. (a) Applicable E dillion of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and cc and their supports.) 5. (d) Applicable E dillion of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and cc and their supports.) 5. (d) Applicable E dillion of Components Repaired or Replaced and Replacement Components Column 1 Column 2 Column 4 Column 5 Col. 6 Column 7 Column 8 Manufacturer Serial Number Number I Identification IBuilt or Replacement or no) Name of Component Name of Manufacturer Serial Number Number I Identification IBuilt or Replacement or no) A Segment Flange Framatome ANP GN41 N/R Location G13 2003 (F Repaired (F Replaced) C Segment Flange Framatome ANP GN5 N/R Location G13 2003 (F Replaced) C Segment Flange Framatome ANP GN5 N/R Location G13 2003 (F Replaced) C Segment Flange Framatome ANP GN5 N/R Location G13 2003 (F Replaced) C Segment Flange Framatome ANP GN5 N/R Location G13 2003 (F Replaced) C Segment Flange Framatome ANP GN5 N/R Location G13 2003 (F Replaced) C Segment Flange Framatome ANP GN5 N/R Location H2 2003 (F Replaced) C Segment Flange Framatome ANP GN5 N/R Location H2 2003 (F Replaced) C Segment Flange Framatome ANP GN5 N/R Location H2 2003 (F Replaced) C Segment Flange Framatome ANP GN5 N/R Location H2 2003 (F Replaced) C Segment Flange Framatome ANP GN5 N/R Location H2 2003 (F Replaced) C Segment Flange Framatome ANP GN5 N/R Location H2 2003 (F Replaced) C Segment Flange Framatome ANP GN5 N/R Location H2 2003 (F Replaced) C Segment Flange Framatome ANP GN5 N/R Location H2 2003 (F Replaced) C Replaced (F Replac	2a, Unit	<b>ा</b> 1	Γ2	<b>Г</b> 3 <b>Г</b> Shared	(specify Units	·)`			
Address 526 S. Church Street, Charlotte, NC 2201-1006 Type Code Symbol Stamp IVA Authorization No. N/A Expiration Date N/A 3b. NSM or MM #ON-13112 Part AM2 WP 13535H 4. Identification of System Reactor Coolant System Class Class 4. Identification of System Reactor Coolant System Class (S) Applicable Construction CodeASME 1989 EditionN/A_Addenda (1992 through 1992 Addenda for Class MC and co and their supports.) 6. Identification of Components Repaired or Replacement Genoments Column 1 Column 2 Column 3 Column 4 Column 5 Col. 6 Column 7 Column 8 ASME Code Stamped (Namufacturer Serial Number Number Identification Built or Replaced for Replaced or no) Name of Component Name of Manufacturer Serial Number Number Identification Built or Replaced Frequence (Name of Section ALP) Stamped (VP Replacement) Corron) A Segment Flange Framatome ANP GN41 N/R Location G13 2003 FReplaced (FReplaced) B Hold Down Bolts Framatome ANP GN5 N/R Location G13 2003 FReplaced (FReplaced) C Segment Flange Framatome ANP GN5 N/R Location H2 2003 FReplaced (FReplaced) C Segment Flange Framatome ANP GN5 N/R Location H2 2003 FReplaced (FReplaced) D Hold Down Bolts Framatome ANP GN5 N/R Location H2 2003 FReplaced (FReplaced) C Segment Flange Framatome ANP GN5 N/R Location H2 2003 FReplaced (FReplaced) C Segment Flange Framatome ANP GN5 N/R Location H2 2003 FReplaced (FReplaced) C Segment Flange Framatome ANP GN5 N/R Location H2 2003 FReplaced (FReplaced) C Segment Flange Framatome ANP GN52 N/R Location H2 2003 FReplaced (FReplaced) C Segment Flange Framatome ANP GN52 N/R Location H2 2003 FReplaced (FReplaced) C Segment Flange Framatome ANP GN52 N/R Location H2 2003 FReplaced (FReplaced) C Segment Flange Framatome ANP GN52 N/R Location H2 2003 FReplaced (FReplaced) C Segment Flange Framatome ANP GN52 N/R Location H2 2003 FReplaced (FReplaced) C Segment Flange Framatome ANP GN52 N/R Location H2 2003 FReplaced (FReplaced) C Segment Flange Framatome ANP GN52 N/R Location H2 2003 FReplaced (FRepl			•	-		3a. Work Order #			<u> </u>
Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A       3b. NSM or MM #ON-13112 Part AM2 WP 13535H         4. Identification of System Reactor Coolant System	3. Work Pe	erformed By Duke Power	r Company, i i i Charlotta, NC 28201 1006	•			Repair C	rganization Job #	
4. Identification of System <u>Reactor Coolant System</u> 5. (a) Applicable Construction Code <u>ASME</u> 1989 _ Edition <u>N/A</u> Addenda, <u>No Addenda</u> <u>/Code Cases N/A</u> 5. (a) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and co 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 7 ASME Code Name of Component I. Name of Manufacturer Serial Number Number Identification G13 2003 [7 Replaced, Stamped (ye A Segment Flange Framatome ANP GN41 N/R Location G13 2003 [7 Replaced] [7 No B Hold Down Bolts Framatome ANP GN5 N/R Location G13 2003 [7 Replaced] [7 No C Segment Flange Framatome ANP GN5 N/R Location G13 2003 [7 Replaced] [7 No C Segment Flange Framatome ANP GN5 N/R Location G13 2003 [7 Replaced] [7 No C Segment Flange Framatome ANP GN5 N/R Location G13 2003 [7 Replaced] [7 No C Segment Flange Framatome ANP GN5 N/R Location G13 2003 [7 Replaced] [7 No C Segment Flange Framatome ANP GN5 N/R Location G13 2003 [7 Replaced] [7 No C Segment Flange Framatome ANP GN5 N/R Location G13 2003 [7 Replaced] [7 No C Segment Flange Framatome ANP GN5 N/R Location G13 2003 [7 Replaced] [7 No C Segment Flange Framatome ANP GN5 N/R Location G13 2003 [7 Replaced] [7 No C Segment Flange Framatome ANP GN5 N/R Location H2 2003 [7 Replaced] [7 No C Segment Flange Framatome ANP GN5 N/R Location H2 2003 [7 Replacement] [7 No C Segment Flange Framatome ANP GN5 N/R Location H2 2003 [7 Replacement] [7 No C Segment Flange Framatome ANP GN5 N/R Location H2 2003 [7 Replacement] [7 No C Segment Flange Framatome ANP GN5 N/R Location H2 2003 [7 Replaced] [7 No C Replaced [7 No C Replaced [7 No] [7 N						3b. NSM or MM #	ON-1311	2 Part AM2 WP 13535H	1
5. (a) Applicable Construction Code <u>ASME</u> 1985 Edition <u>N/A</u> Addenda, <u>No Addenda</u> <u>/Code Cases N/A</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and ca and their supports.) Column 1 <u>Column 2</u> <u>Column 3</u> <u>Column 4</u> <u>Column 5</u> <u>Col. 6</u> <u>Column 7</u> <u>Column 8</u> <u>Column 1</u> <u>Column 2</u> <u>Column 4</u> <u>Column 4</u> <u>Column 5</u> <u>Col. 6</u> <u>Column 7</u> <u>Column 8</u> <u>Column 1</u> <u>Column 2</u> <u>Column 4</u> <u>Column 4</u> <u>Column 5</u> <u>Col. 6</u> <u>Column 7</u> <u>Column 8</u> <u>Column 1</u> <u>Column 2</u> <u>Column 4</u> <u>Column 4</u> <u>Column 5</u> <u>Col. 6</u> <u>Column 7</u> <u>Column 8</u> <u>Column 1</u> <u>Column 2</u> <u>Column 1</u> <u>Column 4</u> <u>Column 5</u> <u>Col. 6</u> <u>Column 7</u> <u>Column 8</u> <u>Column 1</u> <u>Column 2</u> <u>Column 4</u> <u>Column 4</u> <u>Column 5</u> <u>Col. 6</u> <u>Column 7</u> <u>Column 8</u> <u>Column 1</u> <u>Column 2</u> <u>Column 8</u> <u>Column 4</u> <u>Column 5</u> <u>Col. 6</u> <u>Column 7</u> <u>Column 8</u> <u>Column 8</u> <u>Column 7</u> <u>Column 8</u> <u>Column 7</u> <u>Column 8</u> <u>Column 7</u> <u>Column 8</u> <u>Column 7</u> <u>Column 8</u> <u>Column 8</u> <u>Column 7</u> <u>Column 8</u> <u>Column 7</u> <u>Column 8</u> <u>Column 7</u> <u>Column 8</u> <u>Column 8</u> <u>Column 8</u> <u>Column 8</u> <u>Column 8</u> <u>Column 7</u> <u>Column 8</u> <u>Column 7</u> <u>Column 8</u> <u>Colu</u>		-			•			· · · · · · · · · · · · · · · · · · ·	-
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and a cand their supports).       Column 1       Column 2       Column 3       Column 4       Column 5       Column 7       Column 7       Column 6         Identification of Components Repaired or Replaced and Replacement Components       National       National       ASME Code         Name of Component       Name of Manufacturer       Board       Other       Year.       Repaired, Replaced, Stamped (year.         A       Segment Flange       Framatome ANP       GN41       N/R       Installed in Core       Zo03       Fraeplaced       Fr No         B       Hold Down Bolts       Framatome ANP       GN52       N/R       Installed in Core       Zo03       Fraeplaced       Fr No       Fr Yes         C       Segment Flange       Framatome ANP       GN51       N/R       Installed in Core       Zo03       Fr Replaced       Fr No       Fr Yes         C       Segment Flange       Framatome ANP       GN51       N/R       Installed in Core       Zo03       Fr Replaced       Fr No       Fr Yes         C       Segment Flange       Framatome ANP       GN5       N/R       Installed in Core       Zo03       Fr Replaced       Fr No       Fr Yes       Fr	4. Identifica	ation of System <u>Reactor (</u>	Coolant System	Class1		<del>~_</del>		-	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and a cand their supports).       Column 1       Column 2       Column 3       Column 4       Column 5       Column 7       Column 7       Column 6         Identification of Components Repaired or Replaced and Replacement Components       National       National       ASME Code         Name of Component       Name of Manufacturer       Board       Other       Year.       Repaired, Replaced, Stamped (year.         A       Segment Flange       Framatome ANP       GN41       N/R       Installed in Core       Zo03       Fraeplaced       Fr No         B       Hold Down Bolts       Framatome ANP       GN52       N/R       Installed in Core       Zo03       Fraeplaced       Fr No       Fr Yes         C       Segment Flange       Framatome ANP       GN51       N/R       Installed in Core       Zo03       Fr Replaced       Fr No       Fr Yes         C       Segment Flange       Framatome ANP       GN51       N/R       Installed in Core       Zo03       Fr Replaced       Fr No       Fr Yes         C       Segment Flange       Framatome ANP       GN5       N/R       Installed in Core       Zo03       Fr Replaced       Fr No       Fr Yes       Fr	5. (a) Appli	cable Construction Code	ASME 1989	Edition N/A	Addenda, N	o Addenda /C	ode Cases	N/A	
6. Identification of Components Repaired or Replaced and Replacement Components         Column 1       Column 2       Column 3       Column 4       Column 5       Column 5       Column 7       Column 8         Name of Component       Name of Manufacturer       Board       Other       Year.       Replaced, Replaced, Stamped (ye or Replacement       Stamped (ye or Replacement)       Stamped (ye or Replaced)	(b) Appli	cable Edition of Section >		eplacements 1989, No	Addenda (199	2 through 1992 Addend			· • •
Column 1       Column 2       Column 3       Column 4       Column 5       Col. 6       Column 7       C			sized as Deplered and Dep	Incoment Commenced	· ·		: · · .	1	
Name of Component       Name of Manufacturer       Manufacturer       National Board       Other Number       Year       Repaired, Replaced, Bullt       ASME Code Stamped (ye or Replacement         A       Segment Flange       Framatome ANP       GN41       N/R       Installed in Core Location G13       Installed in Core       If Repaired       If Replaced       If No         A       Segment Flange       Framatome ANP       GN41       N/R       Location G13       2003       If Replaced       If No         B       Hold Down Boits       Framatome ANP       GN55       N/R       Installed in Core       If Replaced       If Replaced       If No         C       Segment Flange       Framatome ANP       GN5       N/R       Location G13       2003       If Replaced       If No         C       Segment Flange       Framatome ANP       GN5       N/R       Location H2       2003       If Replaced       If No         C       Segment Flange       Framatome ANP       GN5       N/R       Location H2       2003       If Replaced       If No         D       Hold Down Boits       Framatome ANP       GN52       N/R       Installed in Core       If Replaced       If No       If No         E       Segment Flange <t< td=""><td>o. identifica</td><td></td><td></td><td></td><td></td><td>Column 5</td><td>Col. 6</td><td>IColumn 7</td><td>Column 8</td></t<>	o. identifica					Column 5	Col. 6	IColumn 7	Column 8
Name of ComponentName of ManufacturerSerial NumberNumberIdentificationBuiltor Replacementor no)ASegment FlangeFramatome ANPGN41N/RInstalled in Core Location G13If Replaced PReplacementIf Replaced PReplacementIf No PresBHold Down BoltsFramatome ANP6217, 6646, 5909, 5881, 6180, 6525, 6602, 6567.N/RInstalled in Core Location G13If Replaced 2003If Replaced PReplacementIf No PresCSegment FlangeFramatome ANPGN5N/RInstalled in Core Location G13If Replaced 2003If Replaced PReplacementIf No PresCSegment FlangeFramatome ANPGN5N/RInstalled in Core Location H2If Replaced PReplacementIf No PresDHold Down BoltsFramatome ANPGN5N/RInstalled in Core Location H2If Replaced PReplacementIf No PresDHold Down BoltsFramatome ANPGN52N/RInstalled in Core Location H2If Replaced PReplacementIf No PresESegment FlangeFramatome ANPGN52N/RInstalled in Core Location H2If Replaced PReplaced PReplacementIf No PresESegment FlangeFramatome ANPGN52N/RInstalled in Core Location H4If Replaced PReplaced PReplacedIf No PresESegment FlangeFramatome ANPGN52N/RInstalled in Core Location H4If Replaced PReplaced					National	· ·			ASME Code
A       Segment Flange       Framatome ANP       GN41       N/R       Installed in Core Location G13       C       Replaced Replacement       Ves         B       Hold Down Bolts       Framatome ANP       6217, 6646, 5909, 5881, 6180, 6525, 6602, 6567.       Installed in Core Location G13       Installed in Core Replaced       Installed in Core Replaced       Installed in Core Replaced       Ves         C       Segment Flange       Framatome ANP       GN5       N/R       Installed in Core Location H2       Installed in Core Replaced       Installed in Core Replaced       Ves         D       Hold Down Bolts       Framatome ANP       GN5       N/R       Installed in Core Location H2       Installed in Core 2003       Installed In Core Replaced       Ves         D       Hold Down Bolts       Framatome ANP       GN5       N/R       Installed in Core Location H2       Installed In Core 2003       Installed In Core Replaced       Ves         E       Segment Flange       Framatome ANP       GN52       N/R       Installed In Core Location H4       Ves       Ves         E       Segment Flange       Framatome ANP       GN52       N/R       Installed In Core Location H4       Installed In Core Z003       Installed In Core Replaced       Ves         E       Segment Flange       Framatome ANP       GN52<				1					
A       Segment Flange       Framatome ANP       GN41       N/R       Installed in Core Location G13       Image Frame Content       Image Frame Content <th< td=""><td> </td><td>Name of Component</td><td>Name of Manufacturer</td><td>Serial Number</td><td>Number</td><td>Identification</td><td>Built</td><td>+</td><td>or no)</td></th<>		Name of Component	Name of Manufacturer	Serial Number	Number	Identification	Built	+	or no)
A       Segment Flange       Framatome ANP       GN41       N/R       Location G13       2003       Image: Replacement       Image: Replacement         B       Hold Down Bolts       Framatome ANP       6217, 6646, 5909, 5881, 6180, 6525, 6602, 6567.       Installed in Core Location G13       2003       Image: Replacement       Image: Replaced meant       Image: R			4 · · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·			マ No
A       Original Hange       Hanadom ANP       GIATI       Min       Location G12       2000       Image			:		3				r Yes
B       Hold Down Bolts       Framatome ANP       5881, 6180, 6525, 6602, 6567.       Installed in Core Location G13       Installed in Core       2003       Image: Replaced ment       Image: Yes         C       Segment Flange       Framatome ANP       GN5       N/R       Installed in Core       Image: Yes       Image: Replaced ment       Image: Yes         C       Segment Flange       Framatome ANP       GN5       N/R       Installed in Core       Image: Yes       Image: Replaced ment       Image: Yes         D       Hold Down Bolts       Framatome ANP       GN5       N/R       Installed in Core       Image: Yes       Image: Replaced ment       Image: Yes         D       Hold Down Bolts       Framatome ANP       GN52       N/R       Installed in Core       Image: Replaced ment       Image: Yes         E       Segment Flange       Framatome ANP       GN52       N/R       Installed in Core       Image: Replaced ment       Image: Yes         E       Segment Flange       Framatome ANP       GN52       N/R       Installed in Core       Image: Replaced ment       Image: Yes         E       Segment Flange       Framatome ANP       GN52       N/R       Installed in Core       Image: Replaced ment       Image: Yes         E       Segment Flange </td <td><u> </u></td> <td>Segment Flange</td> <td>Framatome ANP</td> <td>GN41</td> <td>N/R</td> <td>Location G13</td> <td>2003</td> <td>. IV Replacement</td> <td><u> </u></td>	<u> </u>	Segment Flange	Framatome ANP	GN41	N/R	Location G13	2003	. IV Replacement	<u> </u>
B       Hold Down Bolts       Framatome ANP       6602, 6567.       N/R       Location G13       2003       Image: Replacement       Image: Replacement       Image: Replacement         C       Segment Flange       Framatome ANP       GN5       N/R       Installed in Core Location H2       Image: Replaced problem       Imag			[	6217, 6646, 5909,	l ·	1			No Vo
C       Segment Flange       Framatome ANP       GN5       N/R       Installed in Core Location H2       2003       Image Replaced ment       Image Replaced ment         D       Hold Down Bolts       Framatome ANP       6105, 6104, 6605, 6393, 6135, 5880, 5393, 6135, 5880, 5393, 6135, 5880, 5852, 5912.       N/R       Installed in Core Location H2       2003       Image Replaced ment       Image Replaced me									T Yes
C       Segment Flange       Framatome ANP       GN5       N/R       Installed in Core Location H2       2003       Image: Replaced replacement       Types         D       Hold Down Bolts       Framatome ANP       6105, 6104, 6605, 6393, 6135, 5880, 5852, 5912.       Installed in Core Location H2       2003       Image: Replaced re	B	Hold Down Bolts	Framatome ANP	6602, 6567.	N/R	Location G13	2003	Replacement	
C       Segment Flange       Framatome ANP       GN5       N/R       Installed in Core Location H2       2003       Image: Replacement       Image: Test installed in Core Frequence         D       Hold Down Bolts       Framatome ANP       6105, 6104, 6605, 6393, 6135, 5880, 5852, 5912.       Installed in Core Location H2       2003       Image: Replaced problem in Core in the problem in the	ļ	]						1 .	マ No
D       Hold Down Bolts       Framatome ANP       G105, 6104, 6605, 6393, 6135, 5880, 5852, 5912.       Installed in Core Location H2       Z003       If Repaired Replaced       Vo         E       Segment Flange       Framatome ANP       GN52       N/R       Installed in Core Location H2       Z003       If Repaired       Vo       Ves         E       Segment Flange       Framatome ANP       GN52       N/R       Installed in Core Location H4       Z003       If Repaired       Vo       Ves         E       Segment Flange       Framatome ANP       GN52       N/R       Installed in Core Location H4       Z003       If Repaired       Vo         F       Replaced       Ves       Segment Flange       Framatome ANP       GN52       N/R       Installed in Core Location H4       Z003       If Replaced       Vo         F       Segment Flange       Framatome ANP       GN52       N/R       Installed in Core       If Replaced       Vo         F       Segment Flange       Framatome ANP       GN52       N/R       Installed in Core       If Replaced       Vo         F       Segment Flange       F       Segment Flange       F       Vo       Vo       Ves		•							T Yes
D       Hold Down Bolts       Framatome ANP       Segment Flange       Framatome ANP       GN52       N/R       Installed in Core Location H2       2003       Image: Constrained formation of the	<u>с</u>	Segment Flange	Framatome ANP	GN5	N/R	Location H2	2003	Replacement	
D       Hold Down Bolts       Framatome ANP       G393, 6135, 5880, 5852, 5912.       Installed in Core Location H2       Installed in Core       Image: Constrained constrai				5105 6104 6605			1	☐ Repaired	No No
D       Hold Down Bolts       Framatome ANP       5852, 5912.       N/R       Location H2       2003       Replacement         E       Segment Flange       Framatome ANP       GN52       N/R       Installed in Core Location H4       2003       I Replaced       I Replaced       I Yes         6363, 6428, 6619, 6128, 6287, 6494,       6363, 6428, 6619, 6128, 6287, 6494,       Installed in Core       I Replaced       I Replaced       I Yes						Installed in Core	· ·		
E       Segment Flange       Framatome ANP       GN52       N/R       Installed in Core Location H4       Installed in Core 2003       Image: Constant of the second Free placed	D	Hold Down Bolts	Framatome ANP		<sup>∶</sup> N/R		2003	I⊽ Replacement	
E       Segment Flange       Framatome ANP       GN52       N/R       Installed in Core Location H4       Installed in Core 2003       Image: Constant of the second Free placed			· ·		1			Repaired	IT No
E       Segment Flange       Framatome ANP       GN52       N/R       Location H4       2003       Image: Replacement         6363, 6428, 6619, 6128, 6287, 6494,       6363, 6428, 6619, Installed in Core       Image: Replaced						installed in Core			1 · · ·
6363, 6428, 6619, 6128, 6287, 6494,         Installed in Core         Image: Constant of the second	E	Segment Flange	Framatome ANP	GN52	N/R		2003		I Tes
6128, 6287, 6494, Installed in Core		<u> </u>		· · · · · · · · · · · · · · · · · · ·				E Renaired	
			· · · · · · · · · · · · · · · · · · ·						
	F	Hold Down Bolts	Framatome ANP	6128, 6287, 6494, 6067, 6190.	N/R	Location H4	2003	1 · ·	∏ Yes

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	F	form NIS-2 (Back)	
is 8 1/2 i	n. x 11 in. (2) Information in items and (3) each sheet is numbered and	nes, or drawings maybe used, provided (1) size 1 through 6 on this report is included on each 1 the number of sheets is recorded at the top of	Page 2 of 2
7. Description of Work	New segment flange and 8 hold	down bolts installed on each core location.	
8. Test Conducted:	F Hydrostatic F Pneumatic		
	Pressure 2155 psig	Test Temp <u>&gt;500</u> °F	
	Pressure psig	Test Temp °F	
	Pressurepsig	Test Temp °F	
	I old CRDMs with new segment to the CRDM Core Locations Liste	flange (split nut ring) and 8 - 1 1/8" hold down ed	
	(Applicable Manufac	cturer's Data Records to be Attached)	
<b></b>	CERTIFI	ICATE OF COMPLIANCE	
of the ASME Code, Se Type Code Symbol Sta Certificate of Authoriza Signed	amp N/A	Expiration Date N/A Date 3/12/04	
Inspectors and the State to <u>3/2/04</u> ; and state taken corrective meas Section XI. By signing this cert concerning the examine Inspector nor his emption	holding a valid commision issued leave inspected the compone have inspected the compone ate that to the best of my knowled ures described in this Owner's Rep ificate, neither the Inspector nor his nations and corrective measures de oyer shall be liable in any manner nnected with this inspection.	INSERVICE INSPECTION by the National Board of Boiler and Pressure Vessel a and employed by <u>HSB CT</u> ents described in this Owner's Report during the period <u>7/26/03</u> ge and belief, the Owner has performed examinations and port in accordance with the requirements of the ASME Code, s employer makes any warranty, expressed or implied, escribed in this Owner's Report. Furthermore, neither the for any personal injury or property damage or a loss of any ms <u>NC 1444 NIABC</u> National Board, State, Providence and Endorsements	-

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

1. Owner	Duke Power Company						1.a Date 11/25/03	
Address	526 S. Church Street, (	Charlotte, NC 28201-1006					Sheet of _	2
. Plant	Oconee Nuclear Statio							
Address	7800 Rochester Hwy.	Seneca, S.C. 29672	×					
a. Unit	<b>区</b> 1	Γ2 Ι		(specify Units	, ).			
		,	0		3a. Work Order #	98590184	4	
	erformed By Duke Power				. —	,Repair O	rganization Job #	
		Charlotte, NC 28201-1006			0h 11014 1414 4	011 4244		
Type Coo	de Symbol Stamp N/A Au	thorization No. N/A Expirat	lion Date N/A	· •	30. NSM or MM #	UN-1311	2 Part AM2 WP 13535H	<u>.</u> .
Identifica	ition of System Reactor (	Coolant System	Class1					
			•				<i>.</i>	
	cable Construction Code		Edition N/A	Addenda, <u>N</u>	o Addenda /C	ode Cases		
	cable Edition of Section X d their supports.)	(I Utilized for Repairs or Re	placements 1989, No	Addenda (199	2 through 1992 Adden	da for Clas	is MC and	
		aired or Replaced and Repl	acement Components	5			· •	•
	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
		y 74		National				ASME Code
			Manufacturer Serial Number	Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	Stamped (ye or no)
	Name of Component	Name of Manufacturer	Serial Number	Number	Identification	. Duit		01110)
						· . ,	☐ Repaired	R No
					Installed in Core		T. Replaced	T Yes
<u>A</u>	Segment Flange	Framatome ANP	GN35	· N/R	Location H6	2003	Replacement	
		• •	6451, 6678, 6629,				C Repaired	. No 고
		1	6212, 6106, 6073,		Installed in Core	:	☐ Replaced	☐ Yes
8	Hold Down Bolts	Framatome ANP	6698, 6551.	N/R	Location H6	2003	I⊽ Replacement	1 103
		· ·			1	•	T: Repaired	No 지
					Installed in Core		T Replaced	1
с	Segment Flange	Framatome ANP	GN13	N/R	Location H8	2003	I⊽ Replacement	l
<u> </u>	Deginent i lange		0115			2000	<u></u>	
		-	6684, 6674, 6624,		•		Repaired	No 되
			6608, 6503, 6495,	Ъ.	Installed in Core		☐ Replaced	l I <sup>™</sup> Yes
D	Hold Down Bolts	Framatome ANP		N/R	Location H8	2003	I Replacement	
							I Repaired	No 되
			· ·	1	Installed in Core		I ⊂ Replaced	T Yes
E	Segment Flange	Framatome ANP	GN75	≤ N/R	Location H10	2003	Replacement	1 100
		,				1		
			6093, 6146, 5883,				Replaced	マ No
			6652, 6493, 6394,		Installed in Core	1	Replaced	I ∏ Yes
F	Hold Down Bolts	··· Framatome ANP	6457, 6205,	N/R	Location H10	2003	Neplacement	

	Form NIS-2 (Back)	
NOTE:	Supplemental sheets in form of lists, sketches, or drawings maybe used, provided (1) size is 8 1/2 in. $\times$ 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.	Page 2 of 2
7. Descriptic	n of Work New segment flange and 8 hold down bolts installed on each core location.	
8. Test Cond	ducted: THydrostatic TPneumatic ANorminal Operating Pressure TOther TExempt	
	Pressure 2155psig Test Temp >500°F	
	Pressurepsig Test Temp *F	
	Pressurepsig Test Temp *F	
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.	
	(Applicable Manufacturer's Data Records to be Attached)	
r	CERTIFICATE OF COMPLIANCE	1
Type Code	E Code, Section XI. Symbol Stamp N/A I Authorization No. N/A Date <u>3/12/04</u>	
Inspectors a to <u>3/2/04</u> taken correct Section XI. By signir concerning Inspector not kind arising	CERTIFICATE OF INSERVICE INSPECTION dersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel and the State or Providence of <u>North Carolina</u> and employed by <u>HSB CT</u> 	
Insp	ector's Signajure National Board, State, Providence and Endorsements	
Date 3/12/0	4	ļ

FORM NIS-2 OWNER'S REPO

1. Owner	Duke Power Company		· · ·	· · · · ·	·····		1.a Date 11/25/03	
Address	526 S. Church Street,	Charlotte, NC 28201-1006	•				Sheet _1 of	2
2. Plant	Oconee Nuclear Static				:			
Address	7800 Rochester Hwy.	Seneca, S.C. 29672		•			•	
2a. Unit	<u>1</u>	Γ2	□ 3 □ □ Shared	(specify Units	)			
2 Martin D	arfannad Du Dulua Davia		,		3a. Work Order #			
Address	erformed By Duke Power 5 526 S. Church Street. (	Company, j j j Charlotte, NC 28201-1006				, Repair C	rganization Job #	
		uthorization No. N/A Expira			3b. NSM or MM #	ON-1311	2 Part AM2 WP 13535H	Ĺ
4. Identifica	ation of System Reactor (	Coolant System	Class 1			·		
					· ·			
		ASME 1989 (I Utilized for Repairs or Re				ode Cases		
	id their supports.)		placements 1909, No	Mudenda (195	2 through 1992 Adden			
6. Identifica		aired or Replaced and Rep						
	Column 1	Column 2	Column 3	Column 4. National	Column 5	_ Col. 6	Column 7	Column 8 ASME Code
			Manufacturer	Board	Other	Year	Repaired, Replaced,	Stamped (ye
	Name of Component	Name of Manufacturer	Serial Number	Number	Identification.	Built	or Replacement	or no)
			· · ·	_	- 1		Repaired	No No
		•			Installed in Core		Γ Replaced	T Yes
A	Segment Flange	Framatome ANP	GN19	N/R	Location H12	2003	I Replacement	-
			6505, 6086, 5926,		·		E Repaired	No I
		4	6267, 6489, 6089,		Installed in Core	• ·	☐ Replaced	T Yes
В	Hold Down Bolts	Framatome ANP	6021, 6148.	N/R	Location H12	2003	I⊽ Replacement	,
				·			☐ Repaired	No 기
				•	Installed in Core		Replaced	☐ Yes
c	Segment Flange	_ Framatome ANP	GN3	N/R	Location H14	2003	I Replacement	
			6464, 6153, 6641,		• .		📑 Repaired	I⊐ No
			6498, 6009, 5859,		Installed in Core		☐ Replaced	T Yes
D	Hold Down Bolts	Framatome ANP	6097, 6388.	N/R	Location H14	2003	Replacement	••••
		•					E Repaired	I7 No
		l l	•		Installed in Core		<b>I</b> ■ Replaced	T Yes
E	Segment Flange	Framatome ANP	GN40	N/R	Location K3	2003	Replacement	
		•	6626 6402 6200		-		<b>∏</b> : Repaired	I7. No
			6636, 6102, 6390, 6703, 6640, 6478,	· · · ·	Installed in Core		🗔 Replaced	T: Yes
F	Hold Down Bolts	Framatome ANP	6458, 6000.	<sup>:</sup> N/R	Location K3	2003	Replacement	

				F	Form NIS-2	(Back)		
NOTE:	is 8 1/2 in, 2	x 11 in. (2)	Infor	nation in items	1 through 6 c	ngs maybe used, pro in this report is includ of sheets is recorded	led on each	Page 2 of 2
7. Descriptio	on of Work <u>Ne</u>	<u>ew segme</u>	nt flai	nge and 8 hold	l down bolts	installed on each c	ore location.	
8. Test Cond	ducted:	F Hydros	tatic	Pneumatic	✓ Norminal	Operating Pressure	C Other C Exem	ıpt
		Pressure	<u>2155</u>	5 psig		Test Temp <a>&gt;500</a>	°F	
		Pressure		psig		Test Temp	*F	
		Pressure		psig		Test Temp	°F	
9. Remarks				new segment		nut ring) and 8 - 1	1/8" hold down	
		-	(App	licable Manufa	cturer's Data	Records to be Attack	ned)	
r				CERTIF	ICATE OF C	OMPLIANCE		1
of the ASME	Iny that the sta E Code, Secti Symbol Stam	ion XI. np N/A			correct and	Expiration Date	ment conforms to the	rules
·						<u> </u>	<u> </u>	
				RTIFICATE OF				
						al Board of Boiler ar		
to <u>3/2/04</u>		have in	spect	ed the compone	ents describe		port during the period a commend examinations a	
Section XI.							ements of the ASME C expressed or implied,	öde,
							Furthermore, neither th	e
Inspector no		er shall be	liable	in any manner			y damage or a loss of a	
R	22m	Ì		Commissio	DO NO 1444			
Insp	ector's Signa	iure		Commissio	ns <u>NC 1444</u> Nation		idence and Endorseme	ents
Date 3/12/0	A							

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

	Duke Power Company						1.a Date <u>11/25/03</u>	
Address	526 S. Church Street, (	Charlotte, NC 28201-1006					Sheet1 of _	2
2. Plant	Oconee Nuclear Statio	n						<u> </u>
Address	7800 Rochester Hwy. S	Seneca, S.C. 29672						
2a. Unit	<b>ए</b> 1	Г2 r	- 3 . Shared	(specify Units	N.			
		1 2 1	5 · · · Ondicu	(opeony enits	3a. Work Order #	98590184	<b>t</b>	
	rformed By Duke Power					, Repair O	rganization Job #	
		harlotte, NC 28201-1006 thorization No. N/A Expirat	ion Data NVA		25 NOM of MAN #	ON-1211	2 Part AM2 WP 13535H	
Type Coc	ie Symbol Stamp N/A Au	monzation No, N/A Expirat	ion Date N/A		30. NSIVI OF IVIIVI #	011-1311	E PAIL ANIZ WP 155551	
. Identificat	tion of System <u>Reactor C</u>	oolant System	Class 1					
(a) Analia	able Construction Code	ASME 1989		Addanda N	o Addenda/C	ode Cases	Ν/Δ	
		I Utilized for Repairs or Re						
cc and	d their supports.)	· · · · · · · · · · · · · · · · · · ·	· · ·					
. Identificat		aired or Replaced and Repl		Column 4	Column 5		I Column 7	Column 2
	Column 1	Column 2	Column 3	National	Column 3	, Col. 6	Column 7	Column 8 ASME Cod
			Manufacturer	Board	Other	Year	Repaired, Replaced,	Stamped (y
	Name of Component	Name of Manufacturer	Serial Number	Number	Identification	Built	or Replacement	ör no)
			• •		* * *	· .	☐ Repaired	No V
			· · · ·	•	Installed in Core		🗔 Replaced	T Yes
Α	Segment Flange	Framatome ANP	GN54	N/R	Location K5	2003	Replacement	
			6043, 6082, 6534,				Repaired	IT No
		2	6642, 6123, 6648,		Installed in Core		l∏ Replaced	☐ Yes
В	Hold Down Bolts	Framatome ANP	6488, 6673.	N/R	Location K5	2003	Replacement	
						1	☐ Repaired	No No
	•			•	Installed in Core	1	🗔 Replaced	T Yes
с	Segment Flange	Framatome ANP	GN20	N/R	Location K7	2003	Replacement	
					. t		F Repaired	マ No
		,	5985, 6053, 6665, 6470, 6610, 5885,		Installed in Core		☐ Replaced	T Yes
D	Hold Down Bolts	Framatome ANP	6071, 6185.	N/R	Location K7	2003	Replacement	, 165
		· · · · · · · · · · · · · · · · · · ·				1	☐ Repaired	I⊽ No
					Installed in Core		Replaced	
E	Segment Flange	Framatome ANP	GN55	N/R	Location K9	2003	Replacement	T Yes
						1	 Γ∵ Repaired	<b></b>
			6441, 5996, 6604,		1	F	1 . Iroballar	R No
			5890, 6051, 6122,		Installed In Core		☐ Replaced	T. Yes

	Form NIS-2 (Back)	<b>n</b>
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.	Page 2 of 2
7. Description	on of Work <u>New segment flange and 8 hold down bolts installed on each core location.</u>	
8. Test Con	ducted: THydrostatic TPneumatic TNorminal Operating Pressure TOther TExempt	
	Pressure 2155 psig Test Temp >500 °F	
	Pressure psig Test Temp °F	
	Pressurepsig Test Temp °F	
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.	
	(Applicable Manufacturer's Data Records to be Attached)	
	CERTIFICATE OF COMPLIANCE	
of the ASM	tify that the statements made in the report are correct and this repair or replacement conforms to the rules E Code, Section XI. Symbol Stamp N/A of Authorization No. N/A Expiration Date N/A	
Signed	Date <u>3/12/04</u>	
Inspectors to <u>3/2/04</u> taken corre Section XI. By signi concerning Inspector n kind arising	CERTIFICATE OF INSERVICE INSPECTION  Indersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel and the State or Providence of North Carolina and employed by HSB CT	-
Date 3/12/0	)4	

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

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1. Owner	Duke Power Company		· -		_ / <b></b>		1.a Date	
Address	526 S. Church Street,	Charlotte, NC 28201-1006					Sheet 1 of	2
2. Plant	Oconee Nuclear Static				:			
Address	7800 Rochester Hwy.	Seneca, S.C. 29672						
2a. Unit	<b>1</b>	۲ <sub>2</sub>	□ 3 □ □ Shared	(specify Units	);			
		· • • • • • • • • • • • • • • • • • • •	·		3a. Work Order #	9859018	the second s	
	rformed By Duke Power	r Company;	· ~ · · ·			, Repair O	rganization Job #	
		uthorization No. N/A Expira		:	3b. NSM or MM #	ON-1311	2 Part AM2 WP_13535H	<b>!</b>
4. Identifica	tion of System Reactor (	Coolant System	Class_1				. •	
		· · · · · · · · · · · · · · · · · · ·			;			
		ASME 1989 (I Utilized for Repairs or Re				ode Cases		
	d their supports.)	A Dunzed for Repairs of Re	placements 1969, NO	Addenda (195	z through 1992 Adden			
6. Identifica	tion of Components Repa	aired or Replaced and Rep	lacement Components	3			· .	- ,
	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8 -
			Manufacturer	National Board	Other	Year	Repaired, Replaced,	ASME Code Stamped (yes
	Name of Component	Name of Manufacturer	Serial Number	Number	Identification	Built	or Replacement	or no)
				1			Repaired	No 지
					Installed in Core		☐ Replaced	IT Yes
A	Segment Flange	Framatome ANP	GN1	N/R	Location K11	2003	ि Replacement	1 105 -
		• .	6181, 6076, 6120,			•	T: Repaired	No 고
			6174, 6003, 5961,		Installed in Core		F Replaced	☐ Yes
В	Hold Down Bolts	Framatome ANP	6141, 5956.	N/R	Location K11	2003	Replacement	
ļ		1				. •	☐ Repaired	지 No
}					Installed in Core	· ,	<b>I</b> Replaced	☐ Yes
c	Segment Flange	Framatome ANP	GN50	N/R	Location K13	2003	I Replacement	
		•					☐ Repaired	IT No
		,	6371, 6061, 6324, 6453, 6694, 6149,		Installed in Core		☐ Replaced	r Yes
D	Hold Down Bolts	Framatome ANP	6454, 6420.	N/R	Location K13	2003	I⊽ Replacement	1 103
			-				Repaired	I. No
			. ;		Installed in Core		T Replaced	r Yes
E	Segment Flange	Framatome ANP	GN2	· N/R	Location L2	2003	🔽 Replacement	1.105
							☐ Repaired	. No
			5921, 5924, 6695, 6377, 6529, 6625,		Installed in Core		I. Replaced	
F	Hold Down Bolts	Framatome ANP	6649, 6536.	N/R	Location L2	2003	Replacement	T Yes

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FORM NIS-2 OWNER'S REPO

1. Owner	Duke Power Company		• •	· · · ·	<u></u>		1.a Date 11/25/03	······································
		Charlotte, NC 28201-1006					Sheet of _	2
2. Plant Address	Oconee Nuclear Static 7800 Rochester Hwy. S							
2a. Unit	t य		3 T Shared	(specify Units	) 3a. Work Order #	98590184	1	
Address		r Company,)		•	3b. NSM or MM #	,Repair O	rganization Job # 2 Part AM2 WP 13535H	
4. Identifica	ition of System <u>Reactor (</u>	Coolant System	Class1				· · ·	
(b) Applic cc and	d their supports.)	ASME 1989 I Utilized for Repairs or Re aired or Replaced and Repl		Addenda (199		ode Cases da for Clas		 
	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
<u> </u>	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	Segment Flange	Framatome ANP	GN39	N/R	installed in Core Location L4	2003	ि Repaired □ Replaced ☑ Replacement	IV. No IT Yes
B	Hold Down Bolts	Framatome ANP	6607, 6432, 6150, 6509, 5927, 6547, 6612, 6037.	N/R	Installed in Core Location L4	2003	☐ Repaired ☐ Replaced ☞ Replacement	マ No 「Yes
с	Segment Flange	Framatome ANP	GN69	N/R	Installed in Core Location L6	2003	F Repaired F Replaced I Replacement	マ No 「Yes
	Hold Down Bolts	Framatome ANP	6510, 6422, 5906, 6630, 6101, 6407, 6083, 6099.	N/R	Installed in Core Location L6	2003	I Repaired I Replaced I Replacement	マ No 「Yes
Ē	Segment Flange	Framatome ANP	GN47	N/R	Installed in Core Location L8	2003	I Repaired I Replaced I Replacement	マ No 「Yes
F	Hold Down Bolts	Framatome ANP	6178, 6366, 6065, 6171, 6040, 6038, 6096, 6151.	N/R	Installed in Core Location L8	2003	I Repaired I Replaced I Replacement	レ No し Yes

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	Form NIS-	2 (Back)	Page 2 of 2						
is 8 1/2 i sheet, ar	TE: 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	New segment flange and 8 hold down bol	Its installed on each core location.							
8. Test Conducted:	F Hydrostatic F Pneumatic F Normin	nal Operating Pressure 🛛 🔽 Other 🖵 Exempt							
	Pressure 2155 psig	Test Temp <u>&gt;500</u> °F							
	Pressure psig	Test Temp °F							
	Pressure psig	Test Temp °F							
	l old CRDMs with new segment flange (sp the CRDM Core Locations Listed.	lit nut ring) and 8 - 1 1/8" hold down							
·	(Applicable Manufacturer's Da	ta Records to be Attached)							
	CERTIFICATE OF	COMPLIANCE	]						
of the ASME Code, Se Type Code Symbol St Certificate of Authoriz Signed	amp N/A	Expiration Date N/A Date <u>3/12/04</u>							
			,						
Inspectors and the Sta to <u>3/2/04</u> ; and st taken corrective meas Section XI. By signing this cert concerning the examin Inspector nor his employed	ate that to the best of my knowledge and bel ures described in this Owner's Report in acc ificate, neither the Inspector nor his employe hations and corrective measures described in over shall be liable in any manner for any pe nnected with this inspection.	ional Board of Boiler and Pressure Vessel and employed by <u>HSB CT</u> bed in this Owner's Report during the period <u>7/26//</u> lief, the Owner has performed examinations and ordance with the requirements of the ASME Code, er makes any warranty, expressed or implied, a this Owner's Report. Furthermore, neither the ersonal injury or property damage or a loss of any							

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

	Duke Power Company				<u> </u>		1.a Date 11/25/03	
Address	526 S. Church Street, (	Charlotte, NC 28201-1006					Sheet <u>1</u> of _	2
2. Plant Address	Oconee Nuclear Statio 7800 Rochester Hwy. S			, , ,	<i>.</i>		. — –	
2a. Unit	<b>।</b>	۲ 2 r	- 3 T Shared	(specify Units	) 3a. Work Order #	98590184	L	
Address		Companyl ۱ ۲۰ Charlotte, NC 28201-1006 Ithorization No. N/A Expirat	ion Date N/A	•			rganization Job # 2 Part AM2 WP 13535H	 _
4. Identificat	tion of System <u>Reactor (</u>	Coolant System	Class 1	· ···			·	
(b) Applic cc and	d their supports.)	ASME 1989 I Utilized for Repairs or Re aired or Replaced and Repl	,	Addenda (199	2 through 1992 Adden	ode Cases da for Clas		<u>.</u>
	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	Segment Flange	Framatome ANP	GN77	N/R	Installed in Core Location L10	2003	I Repaired I Replaced I Replacement	マ No 「Yes
в	Hold Down Bolts	Framatome ANP	6158, 6303, 6119, 6090, 6688, 6681, 6709, 6706.	N/R	Installed in Core Location L10	2003	I Repaired I Replaced I Replacement	IT No 「Yes
с	Segment Flange	Framatome ANP	GN74 5	N/R	Installed In Core Location L12	2003	I Repaired I Replaced I Replacement	マ No 「Yes
D	Hold Down Bolts	Framatome ANP	6126, 5898, 6524, 6118, 6049, 6095, 6113, 5891.	N/R	Installed in Core Location L12	2003	I Repaired I Replaced I Replacement	IT No IT Yes
E	Segment Flange	Framatome ANP	GN26	N/R	Installed in Core Location L14	2003	☐ Repaired ☐ Replaced ☞ Replacement	マ No 「Yes
F	Hold Down Bolts	Framatome ANP	6651, 6472, 6481, 6507, 6435, 5860, 6424, 5875.	N/R	Installed in Core Location L14	2003	I Repaired I Replaced I Replacement	マ No 「Yes

Form NIS-2 (Back)							
NOTE:	is 8 1/2 in. x 11 in.	2) Inform	nation in items	1 through 6	ngs maybe used, pro on this report is includ of sheets is recorded	led on each	Page 2 of 2
7. Description	n of Work <u>New seg</u> r	<u>ient flar</u>	nge and 8 hole	d down bolts	installed on each c	ore location.	
8. Test Cond	ucted: 🔽 Hydi	ostatic	□ Pneumatic	: 🔽 Normina	Operating Pressure	☐ Other ☐ Exempt	
	Pressu	e <u>2155</u>	i psig		Test Temp <a>&gt;500</a>	°F	
	Pressu	e	psig		Test Temp	°F	
	Pressu	e	psig		Test Temp	•F	
9. Remarks	Installed old CRD bolts on the CRD				nut ring) and 8 - 1	<u>1/8" hold down</u>	
		(Арр	licable Manufa	acturer's Data	Records to be Attack	ned)	
	<u></u>		CERTI	FICATE OF C	OMPLIANCE		
of the ASME	y that the statement Code, Section XI. Symbol Stamp N/A	; made i	n the report ar	e correct and	this repair or replace	ment conforms to the rules	
Certificate of	Authorization No. 1	I/A	-7 -		Expiration Date	e N/A	
Signed	RB_	L	1		Date <u>3/12/04</u>		
L							
Inspectors a to <u>3/2/04</u> taken correc Section XI. By signin concerning t	nd the State or Prov have ; and state that to tive measures descr g this certificate, nei he examinations and	valid con dence o inspecto the best ibed in the her the l correcti	f <u>North Caroli</u> ed the compon of my knowled his Owner's Re Inspector nor h ive measures of	I by the Nation na ents describe dge and belie eport in accor nis employer r described in t	hal Board of Boiler ar and employed by <u>Hi</u> of in this Owner's Rep f, the Owner has perf dance with the requir nakes any warranty, his Owner's Report. F	SB CT port during the period <u>7/26/0</u> ormed examinations and ements of the ASME Code, expressed or implied, furthermore, neither the	
	r his employer shall from or connected w			r for any pers	onal injury or propert	y damage or a loss of any	
	Joiel	5		ons <u>NC 1444</u> Nation		idence and Endorsements	-
msp	etor's Signalure			11011611	ai budiu, sidie, piov	idence and choorsements	
Date 3/12/04	·						

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

1. Owner	Duke Power Company		· · · · · · · · · · · · · · · · · · ·				1.a Date	
Address	526 S. Church Street,	Charlotte, NC 28201-1006	•				Sheet1 of _	•
2. Plant	Oconee Nuclear Static	Dn						<b>*</b>
Address	7800 Rochester Hwy.	Seneca, S.C. 29672			· · · ·			
2a. Unit	t य	Γ2	r 3 r Shared	(specify Units	)			
			· .		3a. Work Order #	9859018		·
	erformed By Duke Power	r Company, 1 m Charlotte, NC 28201-1006				, Repair O	rganization Job #	
		uthorization No. N/A Expirat	tion Date N/A	, 1	3b. NSM or MM #	ON-1311	2 Part AM2 WP 13535H	r (
			•	•			- <u></u>	• •
4. Identifica	ation of System <u>Reactor (</u>	Coolant System	Class <u>1</u>					
5 (a) Appli	cable Construction Code	ASME 1989	EditionN/A	Addenda, N	o Addenda /C	ode Cases	N/A <sup>-</sup>	:
(b) Appli	cable Edition of Section X	(I Utilized for Repairs or Re						
	d their supports.)			:	- , I			
6. Identifica	Column 1	aired or Replaced and Repl Column 2	Column 3	S Column 4	Column 5	Col. 6	Column 7	Column 8
	Columnia		Column 5	National				ASME Code
			Manufacturer	Board	Other	Year	Repaired, Replaced,	Stamped (yes
	Name of Component	Name of Manufacturer	Serial Number	Number	Identification	Built	or Replacement	<u>`or no) "</u>
				· ·	7		☐ Repaired	No V
					Installed in Core		☐ Replaced	I T Yes .
A	Segment Flange	Framatome ANP	GN18	N/R	Location M3	. 2003	Replacement	
		•	6075, 5868, 6088,		• •		☐ Repaired	No 고
		· ·	6111, 6130, 5981,		Installed in Core		I. Replaced	☐ Yes
В	Hold Down Bolts	Framatome ANP	6116, 6184.	N/R	Location M3 <sup>1</sup>	2003	Replacement	1 163
		-		2			Repaired	₽ No
		· .			Installed in Core		T Replaced	r Yes
c	Segment Flange	Framatome ANP	GN66	N/R	Location M5	2003	Replacement	1 105
			· · ·	i		1	☐ Repaired	년 No
			6680, 6669, 6296,				☐ Replaced	
D	Hold Down Bolts	Framatome ANP	5955, 6159, 6429, 6360, 5873.	N/R	Installed in Core Location M5	2003	I⊽ Replacement	I <sup>™</sup> Yes
├ <del>───</del> ──		Framatome ANP				2003		· · · · ·
			· · ·				Repaired	No 되
_					Installed in Core		I Replaced I Replacement	☐ Yes
E	Segment Flange	Framatome ANP	. <u>GN17</u>	N/R	Location M7	2003		<u> </u>
			6421, 6399, 6708,				<b>∏</b> Repaired	No 되
			6132, 6011, 6115,		Installed in Core		☐ Replaced	· 🖵 Yes
F	Hold Down Bolts	Framatome ANP	6373, 6400.	N/R <sup>·</sup>	Location M7	· 2003	🔽 Replacement	

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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.	Page 2 of 2
7. Description of Work New segment flange and 8 hold down bolts installed on each core location.	
8. Test Conducted: Fydrostatic F Pneumatic F Norminal Operating Pressure F Other F Exempt	
Pressure 2155 psig Test Temp >500 °F	
Pressurepsig Test Temp *F	
Pressurepsig Test Temp °F	
9. Remarks Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.	
(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 Date 3/12/04	
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 North Carolina	-
Date 3/12/04	

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

1. Owner	Duke Power Company			<u></u>	· · · · · · · · · · · · · · · · · · ·		1.a Date <u>11/25/03</u>	·
Address	526 S. Church Street,	Charlotte, NC 28201-1006					Sheet1 of _	2
2. Plant Address	Oconee Nuclear Statio 7800 Rochester Hwy. S			з				
2a. Unit	। 1	Γ 2 I	□ 3 □ Shared	I (specify Units	)			
	rformed By Duke Power	r Companyil 🧃 🙌 Charlotte, NC 28201-1006			3a. Work Order #	9859018 Repair O	ganization Job #	
		uthorization No. N/A Expirat		•	3b. NSM or MM #	<u>ON-1311</u>	2 Part AM2 WP 13535H	!
4. Identificat	tion of System <u>Reactor (</u>	Coolant System	Class1	·				
(b) Applic		ASME 1989 I Utilized for Repairs or Re				ode Cases da for Clas		
	tion of Components Repa	aired or Replaced and Repl	lacement Components				· · · · · · · · · · · · · · · · · · ·	· ·
	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8 ASME Code
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	Stamped (yes or no)
	· · ·		· ·	; ;	installed in Core		F Repaired F Replaced	ド No 「Yes
Α	Segment Flange	Framatome ANP	GN46	N/R	Location M9	2003	Replacement	
	•		6644, 6710, 5863, 6041, 6385, 5857,	N/R	Installed in Core		I Repaired I Replaced I Replacement	マ No 「Yes
B	Hold Down Bolts	Framatome ANP	6705, 5920.		Location M9	2003		·
с	, Segment Flange	Framatome ANP	GN21	N/R	Installed in Core Location M11	2003	☐ Repaired ☐ Replaced ☞ Replacement	No 다 Yes
D	Hold Down Bolts	Framatome ANP	6480, 6306, 5990, 5941, 6114, 5973, 6512, 6392.	N/R	Installed in Core Location M11	2003	✓ Repaired ✓ Replaced ✓ Replacement	IT No 「Yes
E	Segment Flange	Framatome ANP	GN8	N/R	Installed in Core Location M13	2003	☐ Repaired ☐ Replaced ☑ Replacement	マ No 「Yes
F	Hold Down Bolts	Framatome ANP	6157, 5870, 6169, 6046, 6548, 5992, 6655, 6659.	N/R	Installed in Core Location M13	2003	☐ Repaired ☐ Replaced ☞ Replacement	マ No 「Yes

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	Form NIS-2 (Back)	Page 2 of 2						
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. Descriptio	n of Work <u>New segment flange and 8 hold down bolts installed on each core location.</u>							
8. Test Conc	ducted: THydrostatic TPneumatic FNorminal Operating Pressure TOther TExempt							
	Pressure 2155 psig Test Temp >500 °F							
	Pressure psig Test Temp °F							
	Pressure psig Test Temp °F							
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.							
	(Applicable Manufacturer's Data Records to be Attached)							
<b></b>	CERTIFICATE OF COMPLIANCE	1						
of the ASME	fy that the statements made in the report are correct and this repair or replacement conforms to the rules E Code, Section XI. Symbol Stamp N/A f Authorization No. N/A Expiration Date N/A Date <u>3/12/04</u>							
L	CERTIFICATE OF INSERVICE INSPECTION	] ] /	$\sim$					
	dersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel							
Inspectors a	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 7/26/03	-						
to 3/2/04	; and state that to the best of my knowledge and belief, the Owner has performed examinations and	-						
Section XI.	ctive measures described in this Owner's Report in accordance with the requirements of the ASME Code,							
	ng this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied,							
-	the examinations and corrective measures described in this Owner's Report. Furthermore, neither the or his employer shall be liable in any manner for any personal injury or property damage or a loss of any	1						
	from or connected with this inspection.							
	Commissions NC 1444 NIABC							
Insp	ector's Signature National Board, State, Providence and Endorsements	-						
Date 3/12/0	4							

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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	Charlotte, NC 28201-1006			· · · · ·		1.a Date 11/25/03	
							Sheet <u>1</u> of	2
2. Plant	Oconee Nuclear Static 7800 Rochester Hwy.	· · ·		:	;	:		
, Address	a rout Rochester nwy.	Seneca, 5.0. 29672	•					
2a. Unit	1 5	Γ <sup>-</sup> 2	□ 3	(specify Units	).			
			•		3a. Work Order #	9859018		
	erformed By Duke Power					Repair O	rganization Job #	
		Charlotte, NC 28201-1006 Jthorization No. N/A Expira		!	3b. NSM or MM #	01 1214	2 Part AM2 WP 13535H	
, type of		monzation No. N/A Expita		:	30. INSIVI OF IVIIVI #	UNISTI	2 Part Awiz WP 13535	<u>.</u>
4. Identifica	ation of System <u>Reactor (</u>	Coolant System	Class1		· · ·	;		
					! !			
5. (a) Appli	icable Construction Code	ASME 1989	Edition N/A	Addenda, <u>N</u>	o Addenda /C	ode Cases		
(b) Appi	icable Edition of Section 7 id their supports.)	(I Utilized for Repairs or Re	epiacements 1989, No	Addenda (199	2 through 1992 Adden	da for Clas	is MC and	
6. Identifica	ation of Components Rep	aired or Replaced and Rep	lacement Component	 S	•	•		-
	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
		:		National			1 <u>1</u>	ASME Code
			Manufacturer	Board	Other	Year	Repaired, Replaced,	Stamped (yes
	Name of Component	Name of Manufacturer	Serial Number	Number	Identification	Built	or Replacement	or no)
			· ·	, `			C Repaired	No 되
					Installed in Core		Replaced	T Yes
A	Segment Flange	Framatome ANP	GN38	N/R	Location N4	2003	🕫 Replacement	
			6059, 6416, 6056,				C Repaired	マ No
			6112, 6620, 6414,	,	Installed in Core	· ·	☐ Replaced	
в	Hold Down Bolts	Framatome ANP	6676, 6732.	N/R	Location N4	2003	I Replacement	I T Yes
		· · ·		•	. •		Repaired	No No
	· · ·		· ·		Installed in Core		T Replaced	l T Yes
<u> </u>	Segment Flange	Framatome ANP	GN67	N/R	Location N6	2003 -	Replacement	· · · · · · · · · · · · · · · · · · ·
		· · ·	6582, 6152, 6194,			1	Repaired	F No
			6139, 6411, 6696,		Installed in Core		☐ Replaced	<b>∏</b> Yes
D	Hold Down Bolts	Framatome ANP	6396, 5892.	N/R	Location N6	2003	Replacement	1:105
				<u> </u>		1	C Banalrad	
		· · ·	· ·				Repaired	No 되
_			•		Installed in Core		도: Replaced I⊽ Replacement	T Yes
E	Segment Flange	Framatome ANP	GN37	N/R	Location N8	2003	Iv Replacement	
1			6404, 6423, 6389,				🕞 Repaired	マ No
ł			5850, 6467, 6262,		Installed in Core		C Replaced	T Yes
F	Hold Down Bolts	Framatome ANP	6387, 6179.	N/R	Location N8	2003	I Replacement	1

	Form NIS-2 (Back)	Page 2 of 2						
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. Descriptio	on of Work <u>New seqment flange and 8 hold down bolts installed on each core location.</u>							
8. Test Con	ducted: 🔽 Hydrostatic 🎵 Pneumatic 🖾 Norminal Operating Pressure 🔽 Other 🔽 Exempt							
	Pressure 2155 psig Test Temp >500 °F							
	Pressure psig Test Temp °F							
	Pressurepsig Test Temp °F							
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.							
	(Applicable Manufacturer's Data Records to be Attached)							
r	CERTIFICATE OF COMPLIANCE	<u> </u>						
of the ASM	ify that the statements made in the report are correct and this repair or replacement conforms to the rules E Code, Section XI. Symbol Stamp N/A							
Certificate o	of Authorization No. N/A Expiration Date N/A							
Signed	Date 3/12/04							
Inspectors a to <u>3/2/04</u> taken corre Section XI. By signin concerning Inspector m kind arising	CERTIFICATE OF INSERVICE INSPECTION dersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel and the State or Providence of <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period <u>7/26/03</u> ; and state that to the best of my knowledge and belief, the Owner has performed examinations and ctive measures described in this Owner's Report in accordance with the requirements of the ASME Code, ng this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, the examinations and corrective measures described in this Owner's Report. Furthermore, neither the or his employer shall be liable in any manner for any personal injury or property damage or a loss of any from or connected with this inspection. Mational Board, State, Providence and Endorsements	-	Ċ					
Date 3/12/0	4							

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

1. Owner	Duke Power Company		· · · · · · · · · · · · · · · · · · ·		and an		1.a Date 11/25/03	
Address	526 S. Church Street, (	Charlotte, NC 28201-1006	i		•		Sheet <u>1</u> of	2
2. Plant	Oconee Nuclear Statio			ι.	7			
Address	7800 Rochester Hwy. S	Seneca, S.C. 29672						
2a. Unit	<b>マ</b> 1	Γ2	□ 3 □ Shared	(specify Units	)			
3 Mork De	erformed By Duke Power	Company		,	3a. Work Order #	98590184 Renair O	4 Irganization Job #	
Address	s 526 S. Church Street, C	Charlotte, NC 28201-1006			•	•		
Type Cod	de Symbol Stamp N/A Au	thorization No. N/A Expira	tion Date N/A		3b. NSM or MM #	ON-1311	2 Part AM2 WP 13535H	<u>.</u>
4. Identifica	ation of System <u>Reactor (</u>	Coolant System	Class 1					•
	antia Canada	1000	- NIA	Addenda N	la Addanda	ode Cases		
<ul><li>(a) Applic</li><li>(b) Applic</li></ul>	cable Construction Code cable Edition of Section X	ASME 1989 I Utilized for Repairs or Re		Addenda, <u>N</u> Addenda (199	92 through 1992 Adden			
cc and	d their supports.)	1	· · · ·	,	• •	·- , ·		· ,
6. Identifica	Column 1	aired or Replaced and Rep	Column 3	s I Column 4	Column 5	1 Col. 6	Column 7	Column 8
				National	.:			ASME Code
	Name of Component	Name of Manufacturer	Manufacturer . Serial Number	Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	Stamped (yes or no)
	Name of Component	Name of Manufacturer		:			Repaired	
			, 	ι.	Installed in Core		Replaced	전 No ·
A	Segment Flange	Framatome ANP	GN24	N/R	Location N10	2003	Replacement	l ☐ Yes
		· · · · ·	6068, 5865, 6511,	1			E Repaired	マ No
			6170, 6685, 6515,		Installed in Core		<b>F</b> Replaced	T Yes
В	Hold Down Bolts	Framatome ANP	6672, 6054.	N/R	Location N10	2003 "	Replacement	• • • • • • •
		· ·	·.		·	•	Repaired	No 지
			· ·		Installed in Core		Replaced	☐ Yes
С	Segment Flange	Framatome ANP	GN4	N/R	Location N12;	2003	I⊽ Replacement	<u>.</u>
			6500, 6430, 6412,				☐ Repaired	マ No
		а. <i>с</i>	5999, 6571, 6211,		Installed In Core		☐ Replaced ☑ Replacement	l T Yes
D	Hold Down Bolts	Framatome ANP	6232, 6461.	N/R	Location N12	2003		
					· · ·	· ·	F Repaired	マ No
			· · ·		Installed in Core		I Replaced I Replacement	l∏ Yes
E	Segment Flange	Framatome ANP	GN36	N/R	Location O5	2003		<u> </u>
		тарана, кака страна, br>Страна, кака страна, br>Страна, кака страна,	6415, 6639, 6443,	ŕ ,			F Repaired	No 되
			6398, 6465, 6284,		Installed in Core		I Replaced I Replacement	l ☐ Yes
F	Hold Down Bolts	Framatome ANP	6448, 6528.	N/R ·····	Location O5	2003	Ite webiacement	I

	Form NIS-2 (Back)	Page 2 of 2							
NOTE:	TE: 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. Descriptio	on of Work New segment flange and 8 hold down bolts installed on each core location.								
8. Test Cond	ducted: THydrostatic TPneumatic TNorminal Operating Pressure TOther TExempt								
	Pressure 2155 psig Test Temp >500 °F								
	Pressure psig Test Temp *F								
	Pressurepsig Test Temp *F								
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.								
	(Applicable Manufacturer's Data Records to be Attached)								
	CERTIFICATE OF COMPLIANCE	1							
of the ASME Type Code \$ Certificate o	ify that the statements made in the report are correct and this repair or replacement conforms to the rules E Code, Section XI. Symbol Stamp N/A If Authorization No. N/A Expiration Date N/A								
Signed	Date_ <u>3/12/04</u>								
Inspectors a to <u>3/2/04</u> taken correct Section XI. By signin concerning to Inspector not kind arising	CERTIFICATE OF INSERVICE INSPECTION dersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel and the State or Providence of <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period <u>7/26/03</u> ; and state that to the best of my knowledge and belief, the Owner has performed examinations and ctive measures described in this Owner's Report in accordance with the requirements of the ASME Code, ng this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, the examinations and corrective measures described in this Owner's Report. Furthermore, neither the or his employer shall be liable in any manner for any personal injury or property damage or a loss of any from or connected with this inspection. Commissions <u>NC 1444 NIABC</u>	-	(						
Insp	ector's Signature National Board, State, Providence and Endorsements								
Date 3/12/0-	4								

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

1.a Date 11/25/03 Duke Power Company . . . . . 1. Owner . · Address 526 S. Church Street, Charlotte, NC 28201-1006 Sheet 1 of 2 2 Plant **Oconee Nuclear Station** Address 7800 Rochester Hwy. Seneca, S.C. 29672 ☐ Shared (specify Units Γ2 Γ.3 2a. Unit **⊽**1 3a. Work Order # 98590184 Repair Organization Job # 3. Work Performed By Duke Power Companyl -1 -1 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-13112 Part AM2 WP 13535H 4. Identification of System Reactor Coolant System Class 1 5. (a) Applicable Construction Code ASME 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 8 Column 1 Column 2 Column 4 Column 5 Col. 6 Column 7 Column 3 National ASME Code Other 🚽 Year Repaired, Replaced, Stamped (yes Manufacturer Board Serial Number Number Identification Built or Replacement or no) Name of Component Name of Manufacturer **Repaired** No. F Replaced Installed in Core T Yes Replacement N/R Location 07 2003<sup>±</sup> Α Segment Flange Framatome ANP GN76 🗥 👘 Repaired No 🔽 6627, 6433, 5929, E Replaced 5879, 6200, 6039, Installed in Core T Yes Replacement в 6450, 6621. N/R Location 07 2003 Hold Down Bolts Framatome ANP **Repaired** ₩ No TReplaced Installed in Core ☐ Yes Replacement N/R Location O9 C Segment Flange Framatome ANP GN61 2003 C Repaired No No 6218, 6670, 6531, **Replaced** 6110, 6401, 6533, Installed in Core ☐ Yes Replacement 5882, 6131. Location O9 D N/R 2003 Hold Down Bolts Framatome ANP **Repaired** No V Replaced Installed in Core T Yes Replacement N/R Е Location O11 2003 Segment Flange Framatome ANP **GN11** Repaired ₽ No 6079, 6691, 6532, Replaced 6683, 6069, 6234, Installed in Core T Yes Replacement 6186, 6080. Location 011 N/R F Hold Down Bolts Framatome ANP 2003

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	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.	Page 2 of 2
7. Descriptio	on of Work <u>New segment flange and 8 hold down bolts installed on each core location.</u>	
8. Test Con	ducted: THydrostatic TPneumatic TNorminal Operating Pressure TOther TExempt	
	Pressure 2155 psig Test Temp >500 °F	
	Pressurepsig Test Temp°F	
	Pressure psig Test Temp °F	
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.	
	(Applicable Manufacturer's Data Records to be Attached)	
r	CERTIFICATE OF COMPLIANCE	
Type Code	E Code, Section XI. Symbol Stamp N/A of Authorization No. N/A Expiration Date N/A Date <u>3/12/04</u>	
Inspectors a to <u>3/2/04</u> taken corre- Section XI. By signin concerning Inspector m kind arising	CERTIFICATE OF INSERVICE INSPECTION dersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel and the State or Providence of <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period <u>7/26/03</u> ; and state that to the best of my knowledge and belief, the Owner has performed examinations and ctive measures described in this Owner's Report in accordance with the requirements of the ASME Code, ng this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, the examinations and corrective measures described in this Owner's Report. Furthermore, neither the or his employer shall be liable in any manner for any personal injury or property damage or a loss of any from or connected with this inspection. Commissions <u>NC 1444 NIABC</u> National Board, State, Providence and Endorsements	-
Date 3/12/0	4	

•

FORM NIS-2 OWNER'S REPO OR REPAIRS OR REPLACEMENTS

1. Owner	Duke Power Company		·····				1.a Date	·····
	526 S. Church Street,	Charlotte, NC 28201-1006					Sheet of _	2
2. Plant Address	Oconee Nuclear Static 7800 Rochester Hwy.		n					
2a. Unit	1 ସ	□ 2	□ 3 □ Shared	I (specify Units	)			
	erformed By Duke Power	r Company;			3a. Work Order #		4 Prganization Job #	
		uthorization No. N/A Expira			3b. NSM or MM #	ON-1311	2 Part AM2 WP 13535H	<b>I</b>
4. Identifica	tion of System <u>Reactor (</u>	Coolant System	Class 1					·
(b) Applic	cable Construction Code cable Edition of Section X d their supports.)	ASME 1989 I Utilized for Repairs or Re	Edition <u>N/A</u> placements 1989, No	Addenda, <u>N</u> Addenda (199	o Addenda /Co 2 through 1992 Addend	ode Cases da for Clas	s MC and	
6. Identificat	tion of Components Repa	aired or Replaced and Rep	lacement Components		÷.	<u></u> ````		- -
	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)
				•	installed in Core		☐ Repaired ☐ Replaced	IT No 「Yes
A	Segment Flange	Framatome ANP	GN62	N/R	Location P6	2003	Replacement	
В	Hold Down Bolts	· Framatome ANP	6707, 6143, 6334, 6175, 6475, 5867, 6427, 6368.	; N/R	Installed in Core Location P6	2003	☐ Repaired ☐ Replaced ☑ Replacement	IT No 「Yes
c	, Segment Flange	Framatome ANP		N/R	Installed in Core Location P8		☐ Repaired ☐ Replaced ☑ Replacement	ア No 「Yes
	Segment Frange		GN32 6047, 6092, 5932, 6163, 5856, 6098,	N/K		2003	☐ Repaired ☐ Replaced	I No
D	Hold Down Bolts	Framatome ANP	6165, 6085.	N/R	Installed in Core Location P8	2003	I Replacement	I <sup>™</sup> Yes
E	Segment Flange	Framatome ANP	GN14	N/R	installed in Core Location P10	2003	I Repaired I Replaced I Replacement	I7 No F. Yes
F	Hold Down Bolts	Framatome ANP	5958, 6236, 5913, 5959, 6162, 5976, 6070, 5995.	N/R	Installed in Core Location P10	2003	F Repaired F Replaced I Replacement	I⊽ No I⊤ 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.	Page 2 of 2	<u> </u>
7. Descriptio	n of Work New segment flange and 8 hold down bolts installed on each core location.		
8. Test Conc	lucted: THydrostatic TPneumatic TNorminal Operating Pressure TOther TExempt		
	Pressure 2155 psig Test Temp >500 °F		
	Pressure psig Test Temp °F		
	Pressure psig Test Temp °F		
9. Remarks	Installed old CRDMs with new segment flange (split nut ring) and 8 - 1 1/8" hold down bolts on the CRDM Core Locations Listed.		
	(Applicable Manufacturer's Data Records to be Attached)		
<u> </u>	CERTIFICATE OF COMPLIANCE		
of the ASME	fy that the statements made in the report are correct and this repair or replacement conforms to the rules Code, Section XI. Symbol Stamp N/A f Authorization No. N/A		
	RAR THE		
Signed	Date Date		
Inspectors a to <u>3/2/04</u> taken correct Section XI. By signir concerning to Inspector no	CERTIFICATE OF INSERVICE INSPECTION dersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel ind the State or Providence of <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period <u>7/26/03</u> ; and state that to the best of my knowledge and belief, the Owner has performed examinations and tive measures described in this Owner's Report in accordance with the requirements of the ASME Code, ing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, the examinations and corrective measures described in this Owner's Report. Furthermore, neither the the in his employer shall be liable in any manner for any personal injury or property damage or a loss of any from or connected with this inspection. Commissions <u>NC 1444 NIABC</u>	-	

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1. Owner	Duke Power Company				······································		1.a Date 1/13/04	
Address	526 S. Church Street, (	Charlotte, NC 28201-1006					Sheet <u>1</u> of	2
2. Plant	Oconee Nuclear Statio 7800 Rochester Hwy. S	••						
Address	·	· .		• •	,			
2a. Unit	<b>マ</b> 1	Г2 Г	3 G. Shared	(specify Units				
3. Work Pe	rformed By Duke Power	Company A			3a. Work Order # _9		rganization Job #	-
Address	526 S. Church Street, C	Charlotte, NC 28201-1006						
Type Coo	le Symbol Stamp N/A Au	thorization No. N/A Expirat	ion Date N/A		3b. NSM or MM #	<u>ON-13112</u>	AM3_WP13536H	<u> </u>
4. Identificat	tion of System <u>Reactor</u>	Coolant Class 1	·	_				
5 (a) Applia	able Construction Code	ASME III NF 1989		idondo No Ad	denda /Code Cla		:	
(b) Applic	able Edition of Section X	I Utilized for Repairs or Re					s MC and	
	I their supports.)	.'			- · · ·	÷.,	• • • .	
6. Identificat	Column 1	aired or Replaced and Repl Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
		· · · ·		National	· · · · · ·			ASME Code
	Name of Component	Name of Manufacturer	Manufacturer - Serial Number	Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	Stamped (yes or no)
	·		•	:	· · ·		E Repaired	I No
	Hanger/Support						I Replaced	T Yes
A	1-57-422-H6340	Duke Power Company	N/A	1 N/A	N/A	2003	Replacement	
		:		-	· .		🗔 Repaired	I No
	Hanger/Support			· · ·			<b>F</b> Replaced	T Yes
<u> </u>	1-57-422-H6342	Duke Power Company	<u>N/A</u>	N/A	<u>N/A</u>	2003	🕞 Replacement	
			-				Repaired	∏ No
	،						Replaced	r ∏ Yes
С	· · ·	·		· ·				·
		• ,					Repaired	I⊡ No
D		۰.		,			Replaced	l ∏i Yes
				· .			E Repaired	l∏: No
E		· ·					Replaced	T Yes
·						<b>¦</b> -	☐ Repaired	· · · · · ·
		<del></del>		·			Replaced	No .
F			·• · · .	· · ·	· · · ·		E Replacement	Ti Yes

Page 1 of 2

is a 1/2 in, x11 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.   Description of Work_Replace Hangers 1-57-422-H6340 and H6342 for RVLIS line.   Test Conducted:   Pressure   psig   Test Conducted:   Pressure   psig   Test Temp   "F   Pressure   psig   Test Temp   (Applicable Manufacturer's Data Records to be Attached)   CERTIFICATE OF COMPLIANCE   We cotify that the statements made in the report are correct and this repair or replacement conforms to the rules   if the ASME Code, Section X.      'ype Code Symbol Stamp NIA   Certificate of Authorization No. NIA   Expiration Date   NIA   Date   JALZALAL   Authorization No. NIA   Expiration Date   It he undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel   nspectors and the S				Fo	m NIS-2 (Back)		<b>.</b>	
Test Conducted:           Hydrostatic            Pneumatic            Pressure           psig           Test Temp           'F             Pressure           psig           Test Temp                 Pressure           psig             Test Temp                 Pressure           psig           Test Temp                       Psig		is 8 1/2 in. sheet, and	x 11 in. (2) Infor	mation in items 1 thre	ough 6 on this report is inc	luded on each	Sheet 2 of 2	$(\cdot, \cdot)$
Pressure	7. Descript	ion of Worl	Replace Hang	<u>ters 1-57-422-H634(</u>	and H6342 for RVLIS lin	ie		
Pressure	8. Test Cor	nducted:		TPneumatic TI	Norminal Operating Pressur	re 🔽 Other 🖾 Exempt		
Pressure			Pressure	psig	Test Temp	°F		
Remark:       With replacement of the RVH and service structure new hangers were required to be made.         Interest are reported on NIS-2 form due to the welds to the service structure flange are NF welds.         (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.         'ype Code Symbol Stamp NIA         Certificate of Authorization No. NIA         Expiration Date       NIA         Signed			Pressure	psig	Test Temp	°F		
These are reported on NIS-2 form due to the welds to the service structure flange are NF welds.			Pressure	psig	Test Temp	°F		
CERTIFICATE OF COMPLIANCE         We certify that the statements made in the report are correct and this repair or replacement conforms to the rules if the ASME Code, Section XI.         "ype Code Symbol Stamp N/A         Certificate of Authorization No. N/A       Expiration Date _N/A         Date	9. Remarks							
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.         Sype Code Symbol Stamp N/A         Certificate of Authorization No. N/A         Expiration Date       N/A         Date       3/12/04         CERTIFICATE OF INSERVICE INSPECTION         I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel         nspectors and the State or Providence of NoETH (Mach with an employed by <u>MSSCCT</u> )         have inspected the components described in this Owner's Report during the period <u>AUTION</u> adden corrective measures described in this Owner's Report during the period <u>AUTION</u> Section XI.         By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, sooncerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the spector nor his employer makes any warranty, expressed or implied, sooncerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector.         Mutual arising from or connected with this inspection.         Mutual Arising from or connected with this inspection.			_ (App	plicable Manufacture	r's Data Records to be Atta	ached)		
If the ASME Code, Section XI.         type Code Symbol Stamp N/A         Certificate of Authorization No. N/A         Signed				CERTIFICAT	E OF COMPLIANCE			
I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel         Inspectors and the State or Providence of North Check what and employed by ASACT         have inspected the components described in this Owner's Report during the period (A) (12/03)         in 3/3/04 : and state that to the best of my knowledge and belief, the Owner has performed examinations and aken 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 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 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 for any personal injury or property damage or a loss of any tind arising from or connected with this inspection.         Inspector's Signature       Commissions       NCIMMA DIABL         National Board, State, Providence and Endorsements       Date 3/12/04	of the ASM	IE Code, S Symbol S	ection XI. tamp N/A	de in the report are c	Expiration D		:5	
Page 2 of 2	Inspectors to <u>3/3/o</u> taken corres Section XI. By sign concerning Inspector r kind arising	and the SI (), and s ective mea ing this cert g the exam- nor his emp g from or c (), (), (), (), (), (), (), (), (), (),	holding a valid of ate or Providence have inspe- tate that to the b sures described in tificate, neither the nations and corre- ployer shall be liai printed with this and the sures	commision issued by e of <u>NoRTH</u> (H) ected the component isst of my knowledge in this Owner's Repo the Inspector nor his of ective measures des ble in any manner fo is inspection.	the National Board of Boil <u>Column</u> and employed s described in this Owner's and belief, the Owner has rt in accordance with the re- employer makes any warra- cribed in this Owner's Rep r any personal injury or pro- <u>MCIHHH</u> DIM	by <u>HSS CT</u> s Report during the period <u>C</u> performed examinations and equirements of the ASME Code anty, expressed or implied, ort. Furthermore, neither the operty damage or a loss of any <u>ASC</u> Providence and Endorsements	e,	6

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

owner Duke Power Company	Date August 21, 2003
/ POBox1006, Charlotte, NC 28201-1006	Sheet of
2. Plant Oconee 1	Unit006K01
Seneca, South Carolina	205 Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by <u>Babcock &amp; Wilcox Canada</u>	Type Code Symbol Stamp <u>N</u> Authorization No. <u>N-2789</u>
581 Coronation_BlvdCambridge, Ontario         N1R 5V3       205         4. Identification of System	Expiration Date <u>Jan 23/04</u>
5. (a) Applicable Construction Code ASME Sec III 1989	Edition, <u>NO</u> Addenda, <u></u> Code Case
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Act	tivity <u>1998</u> - 2000 Addenda
(c) Applicable Section XI Code Cases	

6. Identification of Components:

	ne of	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, ar Instelled	ASME Code Stamped (Yes or No)
Heat Exchar		§W anada	<sup>•</sup> 006K01	205	N/A	2003	see below	Yes
	•							
	·							

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

8. Tests Conducted: Hydrostatic 🛛 Pneumatic 🖾 Nominal Operating Pressure 🖾 Exempt 🗆

Other D 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.



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	FORM NIS-2 (Back)
Rem	arks Applicable Manufacturer's Data Reports to be attached
<u></u>	
<u> </u>	
<u> </u>	
	•
	CERTIFICATE OF COMPLIANCE certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
	Code Symbol StampN
Certil Signe	the Marson Thetes August 71 2002
	CERTIFICATE OF INSERVICE INSPECTION
l of _£	the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province
of	INTARIO have inspected the components described
to th	a best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report
	cordance 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 ctive measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any bonal injury or property damage or a loss of any kind arising from or connected with this inspection.
	AT A A A STATE ALL A STATE A STATE
	AUG-21,03,
Date	<u>AUG.21,03,</u>

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<i>.</i>	5. 5									ICLEAR VESSE n III, Division 1		·Pg	1.1 of 6
1. Ma	nufactured and	d certifie	÷					(name and addr	ambridge, Ontario ess of N Certifica				
2.Mar	rufactured for		Duke Pow	er Company	P.O. Ecx	1005, Charle	otte, North C	erolina, 22201-11 (name)	006 and accress of Pu	inchaser)			
	zation of install	lation	_00	onee 1, Sen	eca, South	Carolina		•		· · · · · · · · · · · · · · · · · · ·			
4. Ty	e: Ve	rt		Heat Ex.			COGK01		(name and address) 006KE001 Rev. 3 & E002 F		02 Rev. 01	205	2003
		horiz, or	vert.)		cketed, hea ex.)	lt	(Cert. Holde no.)	_	(CRN)	(crawing no		(Nati Ed. No.)	(year buil)
-5. AS	ME Code, Sec	tion III, I	Division 1:		198 (editi			None enda dale)	<u></u>	1 (class)	<u></u>	List #1 Att. (Code Case n	
Items	6 – 10 inclus	ive to b	e completed i	for single w	all vessels	, jackets ol	f jacked vess	sels, or shells o	f heat exchanger	3.			
6. She	ell	SA-50	08 Cl. 3a		90 ksi			2 Att.	List #2		List #2 Att.		List #2 Att.
		(mat'l s	spec. no.)	(ter	sile strengt	th)	[nom. Thic	kness (in )]	(min. cesign (in.)		[dia, 1D (ft. & in.)]	[lengil	h (overali) (ft. &
7. Se	ams:		BAtt.	List #3 A (HT1)	<u>.tt.</u>	List #3 A (RT)	.tt	List #3 Alt. (eff. %)	List #3 Alt. (girth)			t#3 Att	in.)] 4
	. •	(ioi	ng.)	(11)				(en. A)	Gaug	(ar 3			(no. cf courses)
8. He	ads:		(a) ma	It'l spec. no.]			(tensile st	trength)		(b) mat'l spec. no.)	e	(tensile st	trenalh)
	Location (log			Corrosi		Crown	Knuckle	Elliptical	Conical	Hemisphericz	al Fiat	Side to P	
	bottom, end		Thickness	Allowar		Radius	Radius	Radius	Apex Angle	Radus	Diameter		or concave)
(a) (b)	-		-			1							
	ovable bolts u	sed:	•				_		Other	fastening		_	
	kel Closure:		<u></u>		(ma	at'i spec, no.	., size, quanti	ity)			(descr	be or attach se	(etch)
				<u> </u>	·		•		l bar, give dumensions	•			
10. D	esign pressure	-	1150 (psi)	Atma	x, lemp.		500 (*F)	Min. pressure te	st temp		Pneu., <u>hydro</u> ., or	r combined test	t <u>1500</u> (psi)
: 1	11 and 12 to	be com		e sections.		•		•		X · 7			<b>V</b> -1
1.4	besheets:		SA	-508 CL 3a	1		137	<b>%</b>		22-3/16		weld	ed
		-	(stationar	y, mat'l. spe	:. <b>n</b> o.)	(dia. in. (subject to pressure)]			 ,	[thickness (in.)]	· [	attachment(we	(ded, boiled)]
•		-	(floatin	ig, mat'il spe	c.)	[dia.(in.)]			[thickness (m.)]			(attachment)	
12. Tu	Ibes	SE	-163 UNS NO	6690		%		1	0.039	15	631	S	traight
			(matil, spec. n			[OD(in)]	·	Thickne	ss (inches cr		io.)		traight or Uj)
									ande)				
Kems	: 13 to 16 Incl	usive to	be complete	d for inner (	hambers	ofjacketød	vessels or c	hannels of heat	texchangers.				
13. SI	hell:	1	<u></u>					Thickness		-	[dia. (ft&in.)]	· · · · · · · · · · · · · · · · · · ·	
		(mai)	. spec. no.)	•	ensile strer	iguij		(in.)]	(min. design (in.		[cra. (it or inc.)]	heu	gin (overall)(ft. & in.)]
14. Se	eams			-	_			_	Sir	ngle	Yes	Fuß	1
	· · ·	[ion	g(welded, dbl		[HT ' (yes c	x no)]	(RT)	(eff. 9		irth)	(HT') -	(RT)	(no. of
			single)]										courses)
15. H	eads		mat'i spec.j		ensile strei	nath)		505 Cl. 3a 11. spec. no.)	90 k (tensile st		(c)mat'l, spec, no.	1 (ter	nsile strength)
		[(a)		· · · · ·									
	Location		Th	ickness	Crown Radius	Knut Raci		Elliptical Ratio	Conical Apex Angle	Hemisphencal Radius	Flat Diameter	Side to Pres	sure (convex
	(a) Top, bot		<u></u>				-			59-17/32*	-		
	(b) Channel Channel		<mark></mark>	6%* 6%*				1:1	<u>                                      </u>	59-17/32		1	ncave
•	(c) Fleating						-		-	-			-
T	iovable, bolts i	used								O:	her fastening		•••
	• • • • • •					(mail.	spec. no., st	ze, quantity)			-	(describe o	r altach sheet)
16. D	esign pressure	<u>9</u> 2	250		at	650	Min, pr	essure-test temp		Pneu., hvdro.,	or comb. Test pres	ssure	3125
1 1 1	post weld heat	treated	(psi 2 List other		cternal pres	(°F) isure with ca	pincident tem	perature when a	(*F) pplicable.				(psi)

\*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 cn 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 <u>6</u>)

Certificate Holder's Serial No. 005:01

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17. Nozzles, inspection	and estate union	maninas					••••••		
Purcose	Ind Salely Velve	Operando.		1	How	1	1	Reinforcement	1
- (inlet, cutlet, crai		Quantity	Dia, or size	Туре	altached	Mat 1	Thickness	Malerial	Location
See List #4	1, 62.)	Goanity	1 010.01 3420	1 0 100	Aledici ICU		Theoreman	1410(0140)	Locator
See LIST #4				·		+			
/		<u> </u>					-{		
		ļ							
		1							
						<u> </u>			
		1					<u> </u>		
			1						
. Supports: Skirt	See List #5	Lugs	See List #5	_ Legs	Other		Atta	ached <u>See</u>	List#5
	(yes or no)		(quantity)		(quantity)	(dest	nibe)	(where	and how)
Remarks:									
				CERTIFICA	<b>TION OF DESIGN</b>	1			
sign specification cert	fied by			See List #6		P.E. S	ate See List #	16 Reg. No. S	See List #6
							ovince		
sign report <sup>*</sup> certified b	v	•		J. T. Boyd		P.E. &		Reg. No. 0	4801502
aga report betaken t	y			e. 1. Doju				(log. 10	1001002
		<u> </u>		· · · · · · · · · · · · · · · · · · ·					
			05			ANOF			
					F SHOP COMPLI				
		vis report are co			orms to the rules for co	instruction of the A			•
Certificate of Authoriza		•	N-2		Expires		January :	23,2004	
te Unenst	21.203	Name	Babcock &	Wilcox Canada	Signed	Ch. tu	in to	S. July	
		•	(N Certi	ficate Holder)			(authorized	d representative)	
			•	CERTIFICA	TE OF SHOP INS	DECTION	1		
Ontario Ontario of my knowledge ar signing this certificate	hav	nificate Holder	e component describ has constructed this moloyer-bakes any	component in acc	port on portance with the ASM	Code Section III	1/03	, and state t ta Report. Furthermore, spection.	hat to the
pector nor his employ	er shall be liable	in any manner	tor environmental int	ury or property da	mage or loss of any kin	d arising from or co	mected with this in:	spection.	
Λ			///// IN			-			<b>A</b>
e Hub.	2 <i>1/03</i> sig	ned /	N Xim K	Son.	· C	ommissions	NK*	* 8112-B-	N.
	702 -3		Autno	nzed Inspector)			Nati, Bd. (incl. er	ndorsements) and state	or prov. and n
					D ASSEMBLY CO	MPLIANCE			
									Oada Cashaa
	hents on this rep	cort are correct	and that the held as:	senioly construction	on of all parts of this hu	clear vessel contor	tis to the fulles of co	nstruction of the ASME	Code, Section
Division 1.			•						
Certificate of Authoriza	tion No.				Expires				
te		Name			Signed				
			(N Certi	ficate Holder)			(authorized re	presentative)	
		-	CERTIFI	CATE OF FIE	LD ASSEMBLY IN	ISPECTION			
the undersigned, hold	áng a valid co	mmission issu			and Pressure Vessel		e State or Provinc	e of	
				e statements in thi	s Data Report with the	described compon	ent and state that pa	erts referred to as data it	ems
								ave been inspected by r	
<u></u>				he heat of my line				ssembled this compone	
	01/2 01 1 01	1		he best of my kno	wedge and beliet the t	veninicate motoer ha	S CONSTITUCIED and a	issembled this compose	
accordance with the A signing this certificate	, neither the ins	pector nor his e	employer makes any	warranty, express	ed or implied, concern mage or loss of any kir	ing the component	described in this Dat	ta Report. Furthermore,	neither the
pector nor his employ	er straa de daore	r na any manue	tion any becomenting	ury or property us	inage of Nas of any Ki		ATTECTED WILL THE AL	speciul.	
4	<b>~</b> *					anningia			
le	Sig	neg	74	rized Inspector)	C	cmmissions		ndomomental cod as-1-	
			(Autho	nzed inspector)			INATI. Ed. (Incl. el	ndorsements) and state	or prov. and h
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								NE	
								INFINEI 7 2003	•
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AUG 27 2003

Pg. 3 of 6

1. Manufactured and certified by		Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3										
- · · · · · · · · · · · · · · · · · · ·	red for Duk	e Power Company, P.O. Box	c 1006. North Carolina, 28	201-1006								
	cf installation	(rums and editess of Fucularse) Oconee 1, Seneca, South Carolina										
4. Type:	Vertical (here: a wer.)	Heat Exchanger	006K01 (Cert, Holder's sensiting.)	(name and a	006KE001 Rev. 3 & 006KE002 Rev. 1 (dawing na.)	205 (N#184. ha.)	2003					
	<u>List #1</u>	<u> </u>	······································		·······	<u></u>						
	N-20-4											
	N-474-2 2142-1											
	2143-1											

<u>List #2</u>

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	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"	137 <b>%</b> " 137 <b>%</b> "	52¾" 79 1/16"	131 13/16"
Thin Shell to Thick to Thin	3½" 5½" 3½"	3" 5" 3"	137 <b>%"</b> 137 <b>%"</b> 137 <b>%"</b>	19¼" 112¾" 27½"	159¼"
Thin Shell	31⁄4"	3"	137%"		173¾*
Shell Can Above Lower T/S (thin shell taper to thick shell, adjacent to T/S)	3¼* 5½*	3" 5"	137 <b>%"</b> 137 <b>%"</b>	106 7/16" 52½"	159 3/16"

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Fg. <u>4</u> cf <u>6</u>

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1. Manufacti	ured and certified by	Babcock & Wilcox C	Canada, 581 Coronation Bo	oulevard, Ca		5V3	
	red forD	uke Power Company, P.O. Box					
	of installation	Oconee 1, Seneca, South (		ind accress of Furd	hasy'j		
4. Type:	Vertical (nerts. ar vers)	Heat Exchanger	006K01	(neme and add	9955) 006KE001 Rev. 3 & 006KE002 Rev. 1 (datavits m.)	205 (HELBE NS.)	2003 (restut)

<u>List #3</u>

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

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

Fg. <u>5</u> of <u>6</u>

1. Manufact. rufactu	ured and certified by	Babcock & Wilcox ( e Power Company, P.O. Box	(name an	d accress of N Certifi	ambridge, Ontario N1R are natar)	5V3	
		Oconee 1, Seneca, South	(num	w and adaress of Pur	cnaser)		
4. Type:	Vertical (Porz. or wort.)	Heat Exchanger	COGK01 (Cert. Herder & serai ne.)	(rame and acc	006KE001 Rev. 3 & 006KE002 Rev. 1 (criving na )	205 (Nat 161. No.)	2003 (rear but)

<u>List #4</u>

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Purpose (inlet, outlet, drain, etc.)	Qty.	(ID) Dia.or Stze	Туре	How Attached	Material	(mkn.) Thickness	Reinforcement Material	Location
Primary Nozzles Inlet	1	367	1	integral	SA-508 CL 3a	3.	N/A	Upper Chan. Head
Primary Nozzles (Outlet	2	28*	F	Welded	SA-508 CL 3a	31⁄4"	N∕A ·	Lower Chan. Head
Primary Manway	2	16"	I	Iniegral	SA-508 CL. 3a	81	SA-508 CL. 3a	Chan Heads
Primary Manway Cover	. 2	28%	-	Batted	SA-533 Typ. B CL. 1	5%	N∕A	Chan Heads
Primary Handhole	1	ę	1	Integral	SA-508 CL 3a	31⁄2*	NVA	Upper Chan, Head
Primary Handhole Cover	1	12%*	-	Bolled	SA-533 Typ. B CL. 1	21/2*	NA	Upper Chan. Head
Secondary Handholes	5	6"	1	Integral	SA-508 CL 3a	•	NVA	Shell
Hanchole Covers	5	12%*	-	Bolled	SA-533 Typ. B CL 1	2%	NA	Shell
Inspection Ports	30	3	1	Integra!	SA-508 CL 3a	•	N/A	Shell
Inspection Port Covers	30	8%*	-	Bolted	SA-533 Typ. B CL 1	1.48"	NVA	Shell
Feedwater Nozzles fed by external header	32	4"	-	Welded' Bolted	SA-182 Gr. F22	0.602*	NVA	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"	1	Integral	SA-508 CL 3a	•	. N/A "i	Shell
Secondary Manway Cover	Ž	25%	-	Bolled	SA-533 Typ. B CL 1	3.	N/A	Shell
Stearn Nozzle	Z	22.265	F.	Welded	SA-508 CL 3a	31/2*	SA-508 CL. 3a	Shell
Instrument Nozzles	7	1%	F	Welded	SFA 5.5 E7018 A1	0.41*	NVA	Shell
Instrument Nozzles	12 .	<b>1</b> *	F	Weided	SFA 5.5 E7018 A1	0.45"	N/A	Sheil
MFW Inspection Plugs	8	*	F	Welded	SA-105	0.30	SA-105	Shell
Downcomer Temp Sensor	3	%"NPT fitting	Р	Welded	SA-479 Type 316L	0.555	N/A	Shell

r/a – no protrucing shell penetration
 F = full penetration weld
 i = integrally forged
 P=partial penetration weld.

Pg. <u>6</u> of <u>6</u>

1. Manufacti	ured and certified b	Babcock & Wilcox	Canada, 581 Coronation E	Boulevard, Ca		5V3	
Manufactu	red for	Duke Power Company, P.O. Box	1006, North Carolina, 28	201-1006			
			្រែតក	na and address of Fun	Cuse)		
Junion of	finstallation	Oconee 1, Seneca, South	Carolina				
				(name and add	rest)		
	•				006KE001 Rev. 3 &		
4. Type:	Vertical	Heat Exchanger	OOGKO1 (Cert. Holder & servet r.a.)		006KE002 Rev. 1 (drawing m.)	205	2003

<u>List #5</u>

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

<u>List #6</u>

<u>Name</u>	<u>State</u>	<u>Reg. No.</u>
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

Pg. 1 of \_2 1. Manufactured and certified by \_\_\_\_\_\_ The Japan Steel Works, Ltd., Muroran Plant/4-chatsu-machi, Muroran, Hokkaido, 051-8505 Japa Iname and address of NPT Certificate Holder! 2. Manufactured for \_\_\_\_\_\_Babcock & Wilcox, 581 Coronation Blvd., Cambridge, Ontario, NIR 5V3, Canada (name and address of purchaser) 3. Location of installation \_\_\_\_\_ Oconee Nuclear Power Plant Unit 1, 2 & 3 Oconee, South Carolina Iname and address) SA-508, Cl. 3a Min. 90ksi N148344W, Rev. 1 2001 4. Type . Imat'l. spec. no.) (tensile strength) (drawing no.) (year built) (CaN) 1989 No addenda 1 5. ASME Code, Section III, Division 1: \_ (edition) laddenda date) (class) (Code Case no.) -+ 6. Fabricated in accordance with Const. Spec. (Div. 2 only) \_ Revision Date (00) \* Eydrostatic test is not performed in The Japan Steel Works, Ltd. 7. Remarks: Cladding thickness is min. 0.20" from base metal. Cladding materials are SFA-5.4, AWS C1. 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. 1D (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:

National National Board No. Part or Appurtenance Board No. Part or Appurtenance Serial Number in Numerical Order in Numerical Order Serial Number 431 1053 (1)\_ (26) (27) \_\_\_\_ (2)\_ (28) \_\_\_\_ (3) (29) (4) (30) \_\_\_\_ (5)\_ ۰. (31) (6) 1. . . (7) (32) ..... (33)\_ (8) (34)\_ .(9) (35) \_ (10) (36)\_ (11). (12) (37)\_ (13). (38) (39) \_\_\_\_ (14) (15)\_ (40) \_\_\_\_\_ (16). (41)\_ INCOMING INSPECTION -17). (42) (18)\_ (43) (19). (44) \_\_\_\_ . ЛII (20) (45) \_\_ 200! (21) (46)\_ (47) (22) (23) (48). (24) (49) (50) {25} N/A N/A n/a 10. Design pressure psi. - \*F. Hydro. test pressure . at temp. \*F Temp. Inidex socies and we

\* 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.

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

(7/98)

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

E00040

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		P.E. State P.E. State OMPLIANCE		Reg. no Reg. no	
Design report <sup>e</sup> certified by We certify that the statements made in this repor conforms to the rules of construction of the ASM NPT Certificate of Authorization No The Ja	(when soplicable) N/X (when applicable) CERTIFICATE OF C	P.E. State		•	
Design report <sup>e</sup> certified by We certify that the statements made in this repor conforms to the rules of construction of the ASM NPT Certificate of Authorization No The Ja	N/A (when applicable) CERTIFICATE OF C	P.E. State		•	
We certify that the statements made in this repor conforms to the rules of construction of the ASM NPT Certificate of Authorization No.	CERTIFICATE OF C	OMPLIANCE		Reg. no	
conforms to the rules of construction of the ASM NPT Certificate of Authorization No.	rt are correct and that this (t				
conforms to the rules of construction of the ASM NPT Certificate of Authorization No.		7			
NPT Certificate of Authorization No	IE Code, Section III, Division		٤	····	
The Ja		1.			
	N-2725	Expires	July 21	, 2001	
Date June 27, 2001 Name Murora	npan Steel Works, Ltd. In Plant	Signed	7.0	finite-	
	INPT Certificate Holder)	7		rized representative . Taira	)
	CERTIFICATE OF I	NSPECTION		_	
I, the undersigned, holding a valid commission is	ssued by the National Board	of Boiler and Pressure	Vessel Inspecti	ors and the Sta	ite or Pr
of ILLINOIS and employed by H.S.	B.I. £ I. Co.		·		
of HARTFORD. CT. have inspecte	ed these items described in				
best of my knowledge and belief, the Certificate H					
•			II BCCOIDANCE		0002, 3
Ill, Division 1. Each part listed has been authorize	-				
By signing this certificate, neither the inspector no	or his employer makes any v	varranty, expressed or in	nplied, concerr	ning the equipr	nent des
In this Data Report. Furthermore, neither the inspe	ector nor his employer shall	be liable in any manner	for any persor	al injury or pro	perty da
or loss of any kind arising from or connected with	h this inspection.		•		
,	•		. •		•
Date Ture 27 2001 Signed		Commissions	NB10104, N	, B, A	
Care I and Care	uttorized Nuclear Inspector)	4) · · · · · · · · · · · · · · · · · · ·	lart. Bd. (incl. endo	rements) and state	or prov. an
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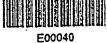
#### FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES\* As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

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Pg. 1 of \_2

anufactured forBabcock & Wi	1cox, 581 Coronation H	Blvd., Cambridge, Ontar	lo, NIR 5V3, Ca	sban
		fname and address of purchase		
ocation of installation <u>Oconee</u> N	uclear Power Plant Uni	Iname and address	th Carolina	
N148361W, Rev. 2	SA-508, Cl. 3a	Min. 90ksi	-	2001
pe <u>N148361W, Rev. 2</u> (drawing no.)	(maril spec. no.)	Min. 90ksi	(CRN)	(year built)
SME Code, Section III, Division 1:	1989	No addenda	1	<u> </u>
		•	(dass)	(Code Cale no.)
bricated In accordance with Coust				Date
marks: Hydrostatic test i	s not performed in The	Japan Steel Works, Lto	1.	
		se metal.		
		E309L-16 + E308L-16 and		
om. thickness (in.) <u>6-3/8"</u> N			9'-11.75" Leng	th overall (ft & in.) <u>7'-0.</u>
hen applicable, Certificate Holders	' Data Réports are attached	for each item of this report:		
•	National			National
Part or Appurtenance Serial Number	Board No. in Numerical Order	Part or App Serial N		Board No. in Numerical Order
(1)1051	425	(26)		
(2)		(27)	I ·	
(3)		(28)		
(4)		(29)		
(5)		(30)		
(6)		(31)		
(7)	· · · · · · · · · · · · · · · · · · ·	(32)		· · · · · · · · · · · · · · · · · · ·
(8) :		(33)	·	
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		(35)		
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14)			1	<u> </u>
15)	· · · · · · · · · · · · · · · · · · ·	(40)		BWC
~		(41)	IN	COMING INCOLOU
17) 18)		(42)		COMING INSPECTION
19)		(44)		
20)		(45)		APR 19 2001
21)	· · · · · · ·	(46)		
22)		(47)		Q.C. 16
23)		(48)	•	APPROVED
24)		(49)		
25)		(50)		· · · · · · · · · · · · · · · · · · ·
		N/A •5 Hudeo		N/A

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



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\* P.O. No. : CM3313634 JSW Job No. : FN9-4305 Heat No. : 00D330-1-1 JSW PC. No. : 1

	Certificate Hold	er's Seriel Nos.	1051	_ through	-
-	CERTIFICATION OF	DESIGN			
esign specifications certified by	N/A (when applicable)	P.E. State	N/A	Reg. no	N/A
esign report <sup>•</sup> certified by	4-	P.E. State	<u>N/A</u>	Reg. no	N/A
	CERTIFICATE OF CON	IPLIANCE			
•	e in this report are correct and that this (the on of the ASME Code, Section III, Division 1.	el <u>Part</u>			
IPT Certificate of Authorization No.	N-2725	Expires	July 21	2001	
ate <u>Mar. 7, 2001</u> Name	The Japan Steel Works, Ltd. Muroran Plant (NPT Certificate Holder)	Signed	· · ·	rized representative	
	CERTIFICATE OF INS			I. Taira	
est of my knowledge and belief, th I, Division 1. Each part listed has b y signing this certificate, neither th h this Data Report, Furthermore, ne	have inspected these items described in this the Certificate Holder has fabricated these par- teen authorized for stamping on the date sho e inspector nor his employer makes any war other the inspector nor his employer shall be connected with this inspection.	ts or appurtenances own above. anty, expressed or in	in accordance m plied, concerr	with the ASME	Code, Secti ment describ
est of my knowledge and belief, th L Division 1. Each part listed has b y signing this certificate, neither th h this Data Report. Furthermore, ne r loss of any kind arising from or e hate Mar. 7, 2021 Signed	te Certificate Holder has fabricated these par teen authorized for stamping on the date sho e inspector nor his employer makes any war ither the inspector nor his employer shall be connected with this inspection.	is or appurtenances win above. anty, expressed or in liable in any manner Commissions	in accordance v mplied, concerr for any persor	with the ASME ning the equip nal injury or pr B. A	Code, Secti nent descrit operty dama
est of my knowledge and belief, th L Division 1. Each part listed has by y signing this certificate, neither th o this Data Report. Furthermore, ne r loss of any kind arising from or c ate <u>Mar. 7: 2001</u> Signed Removed Manufac	e Certificate Holder has fabricated these par been authorized for stamping on the date sho e inspector nor his employer makes any war ither the inspector nor his employer shall be connected with this inspection.	is or appurtenances own above. anty, expressed or in liable in any manner Commissions	in accordance v mplied, concerr r for any persor NB10104 - Ni	with the ASME ning the equip nal injury or pr B. A	Code, Sect nent descrit operty dama
est of my knowledge and belief, th L Division 1. Each part listed has by y signing this certificate, neither th this Data Report. Furthermore, ne r loss of any kind arising from or con- late Mar. 7. 2021 Signed Removed Manufacion Signed To be	the Certificate Holder has fabricated these par them authorized for stamping on the date sho inspector nor his employer makes any war lither the inspector nor his employer shall be connected with this inspection. (Authorized Nuclear Inspector) (Authorized Nuclear Inspector) (Authorized Nuclear Inspector)	is or appurtenances own above. anty, expressed or in liable in any manner Commissions	in accordance v mplied, concerr r for any persor NB10104 - Ni	with the ASME ning the equip nal injury or pr B. A	Code, Secti nent descrit operty dama

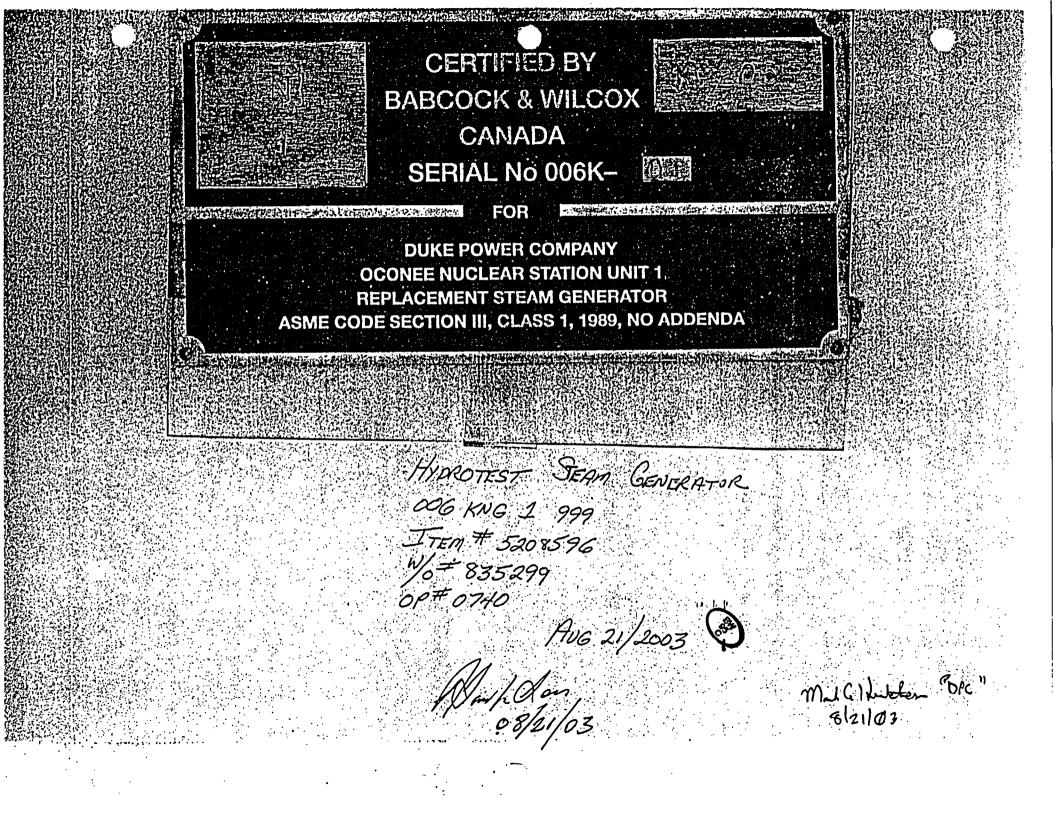
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		IEPLACEMENT IE Code, Secti	

	ke Power Co			Date Augus	t 18, 2	.003	
PO Box 10	06, Charlot	te, NC 2820	1-1006	1 Sheet	of	1	
Plant Ocon	ee 1	mess		006K0			
Sene	ca, South C	arolina		206		anization P.O. No., Job No	
. Work Performed		& Wilcox Can	ada	Type Code Symbol :	N Staustan		
<u>581 Coron</u> N1R 5V3 Identification of	206	<u>Cambridge</u>	<u>Ontario</u>		Jan. 23	5/04	······································
. (a) Applicable	Construction Cod	ASME Sec	III 1989 e	dition, NO	Adden	da,	Code Case
				vity <u>1998 -</u> 2000			
				Year			
(c) Applicable S	ection XI Code Cas	ei in		•			
. 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
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Description of W PWHT not pe Tests Conducted	rformed.	<u>inlet nozz</u> Wo steam out Pneumatic D	tlet nozzle:	m. outlet nozz s, final machin rating Pressure D	les welched. Exempt D	d cladded and	d final mac
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		ained from the Order D	Dept., ASME, 22 Law	Drive, Box 2300, Fairfield, I	<b>1J 87007-230</b>	THE ALL WE LEW	00030

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FORM NIS-2 (Back)

	Applicable Manufacturer's Data Reports to be attached
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	· · · · ·
-	
	CERTIFICATE OF COMPLIANCE
1	I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XL
Type	e Code Symbol StampN
Certi	ificate of Authorization No N-2789 Expiration Date Jan. 23/04
	AT CTILL CHE DAAD
Sign	er Htt. Au A. 5 Hon Odle Date Date
•	
	· · · · · · · · · · · · · · · · · · ·
	· · · ·
	CERTIFICATE OF INSERVICE INSPECTION
1	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Pro
of	
of	DNTARIO have inspected the components des
	is Owner's Report during the period <u>7014103</u> to <u>AUG. [8,63</u> , and stat
	he best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's f coordance with the requirements of the ASME Code, Section XI.
10 80	By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examination
1 77700	ective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for
1 77700	active measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for ional injury or property damage or a loss of any kind arising from or connected with this inspection.
1 77700	ective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for sonal injury or property damage or a loss of any kind arising from or connected with this inspection.
1 77700	ective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for
l 77700	ective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for sonal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>ABIN NS</u> , <u>ONT</u> , <u>O2</u> Inspector's Signature National Board, State, Province, and Endorsements

1. Manuta	tured and certif	ied by	Babccok &	Wilcox Canada, S			ambridge. Ontario				
2.Manufactu	ured for	Duke Fores	Company F.O	Box 1006, Charl			ress of N Certificat	e Holder)			
							and address of Pu	rchaser)			·
J. Location (	of installation	_ <u>0</u> œ	nee 1, Seneca.	Sour Czolina			(name and accress	5)			
4. Type:	Vert. (horiz. c	ar veri.)	Heat Ex. (tanik, jackete ex.)		05K02 (Cert. Hoider no.)			(E <u>001 Rev. 3 &amp; E007</u> (drawing no.)		205 (Nat1 Ed. No.)	
5. ASME Co	cde, Section III	, Division 1:		1989 (edition)		ione ica date)		(ctess)	·	List #1 A (Cooe Case	
tems 6 – 10	0 Inclusive to	be completed fo	or sincle wall ve	essels, lackets of	lacked vesse	is, or shells o	f heat exchanger	s.			
			90	-	List #2		List #2		1 Int #7 AM		والمعادية
6. She1		508 Cl. 3a 1 spec. no.)	(tensile s		Incm. Thick		[man, design l	hiomess (o	List #2 Att. #a. ID (11. & in.)]	- [ier	List #2 At ngth (overall
7 500000	124	t#3 Att.	List #3 Att.	List #3 A		List #3 Art.	(in.)] List #3 Att	List #3 Att	1 4	#3 A.4	in.)]
<b>7.</b> Seams: -		ang.)	(HTI)	$- \frac{-\text{LSTRJA}}{(RT)}$	<u></u>	(ef. %)	(girth)	<u>LST AU</u> (HT)		#3 AL (RT)	(nc
		•	• •	•					•		cou
8. Heads:	-		<u></u>				<u> </u>				<u>-</u>
		((a) mat	spec. no.]		(tensile str	ength)	l	b) mail spec. no.)		(lensile	e strength)
	ation (top	Thickness	Corrosion	Crown	Knuckle	Eliptical	Conical Aper Argie	Hemispherical	Flat		o Pressure
a)	cm, ends		Allowance	Radus	Radius	Racius	Apex Angle	Radius -	Diameler		
ы —		-	-		-		-				
f removable	e bolts used: .	•					Other	fastening			
), Jacket Cl				(mat1 spec. no.	, size, quantity	1)			(descri	be or attact	n skeich)
7. <b>Jaure</b> Uli	ພວຍເວ										
		·····					l bar, give dimensiona,				
10. Design p	pressure <sup>2</sup>	1150	Al max, len	тр. <u>6</u>	<u>ioo i</u> i	A weld, bar, etc. a Ain, pressure te		70	Pneu., <u>hvdro.,</u> cr	combined t	est
		(psi) mpleted for tube		тр. <u>6</u>					Pneu., <u>hvdro</u> ., cr	combined t	est
tems 11 an	nd 12 to be con	(psi) rapleted for tube	sections.	тр. <u>6</u>	600N *F)	lin, pressure te		70 (*F)	Pneu., <u>hvdro</u> ., or		
tems 11 an	nd 12 to be con	(psi) mpleted for tube SA.	sections. 508 Cl. 3a	np. <u>6</u>	500 № *F) 137%	lin, pressure te	est temp	70 (°F) 22-3/16		W	elded
tems 11 an	nd 12 to be con	(psi) mpleted for tube SA- (stationary,	sections. 508 Cl. 3a mail spec. no.	np. <u>6</u>	600 h *F) 1377/ 1. in. (subject t	/in, pressure te i o pressure}]		70 {*F} 22-3/16 [thickness (n.)]		wo Ittachment(	elded weided, bolt
tems 11 an	nd 12 to be con	(psi) mpleted for tube SA- (stationary,	sections. 508 Cl. 3a	np. <u>6</u>	500 № *F) 137%	/in, pressure te i o pressure}]		70 (°F) 22-3/16		wo Ittachment(	elded
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\*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.

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1

				FORM N-1(b	ack Pg. 2 of	_6)			•
17 N	lozzles, inspection and safety valve	ocenings					Certificate Horder	s Serial NoCSK0	2
	Purpose	1	1		How	1	1	Reinforcement	1
C	(inlet outlet, drain, etc.)	I Quantity	Dia. or size	Туре	attached	Mat1.	Thickness	Material	Location
	See List #4			!	<u> </u>	<u> </u>		<u>.</u>	
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				•					
		1	1						
			1			I			
	upports: Skirt <u>See List #5</u> (yes or no) emarks:		See List #5 (quantity)	Legs(quz	- Other untity)	(cescr	Attac		e List #5 e and how)
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_					DN OF DESIGN	-	<b>.</b>		
Desig	in specification certified by	<u> </u>		See List #6		P.E. Sta		Reg. No	See List #5
D	m month and that he		1	T. Bovd		Pro P.E. <del>Sta</del>	rince le Ont.	Reg. No. (	04801502
vesig	in report" certified by		<u>ل</u>			F.E. 043	<u></u>	reg. 110	
<u></u>	(inguit 18,2003 undersigned, holding a valid co Ontario an	Name	(N Certified by the National )		Signed OF SHOP INS Pressure Vessel Technica		(authorized State or Province	representative)	
oʻ			component describe			144/10	103	, and state l	that to the
By sig	I my knowledge and besef, the Cu gning this certificate, neither the ins ctor nor his employer shall be Babl	pector nor his e	mployer makes any v	varranty, expressed ( y or property damag	or implied, concerni	ng the component de	scribed in this Data	ection.	neither the
	~1/1119. 10/03 Sig	. /	VXI				. لام ر		P
Dale	· · · · · · · · · · · · · · · · · · ·	med	LYIn KI	on.	<u> </u>	ommissions	NBH	7112-N-1	
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III, Dir N Cer Date I, the of In acc By sig	vision 1. rtificate of Authorization No. undersigned, holding a valid co cordance with the ASME Code, Se gning this certificate, neither the ins- ctor nor his employer shall be liable	port are correct Name	CERTIFIC and that the field ass (N Certific CERTIFIC and employed by have compared the and that to th 1. mpkcyer makes any v	and Inspector) ATE OF FIELD A embly construction of cale Holder) ATE OF FIELD Board of Boiler and statements in this Di- statements in this Di- e best of my knowled ramanty, expressed of	ASSEMBLY CC (all parts of this num Expires Signed ASSEMBLY IN I Pressure Vessel ata Recort with the not included toge and belief the C por implied, concerning or loss of any kin	SPECTION Inspectors and the described componer in the certificate of s ertificate Holder has ng the component de	s to the rules of con (authorized rep State or Province It and state that par shop inspection, hav constructed and as escribed in this Data	torsements) and state struction of the ASME resentative) of s referred to as data it e been inspected by r sembled this compone Report. Furthermore,	er prov. and no.) Code, Section

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Pg. <u>3</u> of <u>6</u>

2 Manufac		Power Company, P.O. Box Oconce 1, Seneca, South	(nea	e and address of Purc	there()	<u> </u>	
3, Locason	of installation	Oconee 1, Seneta, Sodin	Calolina	frame and add	rest)		
					006KE001 Rev. 3 &		
4. Type:	Vertical	Heat Exchanger	006K02		006KE002 Rev. 1	206	2003
	(Port or vel.)	(fars, jacksted, bast ec.)	(Cert, Holder's sensi no.)	(CRN)	(diswing no.)	(Na 184. No.)	(11 H M.A
	<u>List #1</u>						•
	N-20-4						
				-			
	N-474-2						
	2142-1			•			
	2143-1						

	Nominal Thickness	Mīn. 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" 3½"	5" 3"	137 <b>%"</b> 137%"	52¾" 79 1/16"	131 13/16"
Thin Shell to Thick to Thin	3¼" 5¼" 3¼"	3" 5" 3"	137%" 137%" 137%"	19¼" 112¾" 27½"	159%*
Thin Shell	3%*	3"	137%"		173¾*
Shell Can Above Lower T/S (thin shell taper to thick shell, adjacent to T/S)	3½" 5½"	3" 5"	137%" 137%"	106 7/16" 52½"	159 3/16"

Pg. 4 of 6

					•		
1. Manufact	tured and certified by	Babcock & Wilcox	Canada, 581 Coronation E			5V3	
	·		frame an	eduress of N Certific	ata Holder)		
2.Manufact	ured for D	uke Power Company, P.O. Bo	x 1006, North Carolina, 28	201-1006	·		-
			(187	and address of Pure	nate)		
3. Location	of installation	Oconee 1, Seneca, South	Carolina				
				(neme and add	iness)		
					006KE001 Rev. 3 &		
4. Type:	Vertical	Heat Exchanger	006K02		006KE002 Rev. 1	206	2003
	(hatz. or ver.)	(Jans, jacksted, heat ex.)	(Cart, Holder's serve no.)	(CRN)	(drawing no.)	(Put 1 Bd. No.)	(vestanc)

<u>List #3</u>

11 1. 1. 1.

Seam	Longitudinal Joint Type	нт	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			
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	Double	Yes	Full

1. Manufac	tured and certified	by Babcock & Wilcox	Babcock & Wilcox Canada, 581 Coronation Boulevard, Cambridge, Ontario N1R 5V3							
2.Manufact	ured for	Duke Power Company, P.O. Bo	x 1006, North Carolina, 28	3201-1006	·	-				
3. Location	of installation	Oconee 1, Seneca, South		re and address of Fi	urcheser)					
				(name and a	006KE001 Rev. 3 &					
4. Type:	Vertical Porz a w	Heat Exchanger	Cort. Hoder's seriel ac.)		_ 006KE002 Rev. 1 (derwing na.)	206	2003			

## <u>List #4</u>

Purpose (Inlet, outlet, drain, otc.)	Qty.	(D) Dia.or Stze	Туре	How Attached	Material	(min.) Thickness	Reinforcement Material	Location
Primery Nazzles inlet	1	36"	1	Iniegral	SA-508 CI, 3a	3.	N/A	Upper Chan. Head
Primary Nazzles I Outlet	2	28*	F	Welded	SA-508 CL 3a	31⁄2	N/A	Lower Chan. Head
Primary Manway	2	16"	1	Integral	SA-508 CL. 3a	8"	SA-508 CL. 3a	Chan. Heads
Primary Manway Cover	2	28%	1	Bolled	SA-533 Typ. B CL. 1	5%	N/A	Chan, Heads
Primary Handhole	1	6"	1	Integral	SA-508 CL 3a	3%	N/A	Upper Chan. Head
Primary Handhole Cover	1	12%*	-	Botted	SA-533 Typ. B CL. 1	2%*	<b>N/</b> A	Upper Chan. Head
Secondary Handholes	5	6"	1	Integral	SA-508 CL_3a	•	N/A	Shell
Hanchole Covers	5	12%	-	Bolted	SA-533 Typ. B CL 1	2%	N/A	Sheli
Inspection Ports	30	3	1	Integral	SA-508 CL 3a	•	N/A	Shell
Inspection Port Covers	30	8%*	1	Botted	SA-533 Typ. B CL. 1	1.48*	ÏN/A	Shell
Feedwater Nozzles fed by external header	32	4	1	Welded/Bolted	SA-182 Gr. F22	0.602*	N/A	Shell
Audiary Feedwater Nozzles fed by external header	6	*		Welded' Bolted	SA-182 Gr. F22	0.602"	<b>N</b> ⁄A	Shell
Secondary Manway	2	·16*	1	Integral	SA-508 CL 3a	•	N/A	Shell
Secondary Manway Cover	2	25%	1	Balted	SA-533 Typ. B CL. 1	3	· N/A	Shell
Steam Nozzle	2	22. <i>2</i> 65	F	Weided	SA-505 CL 3a	3%	SA-508 CL. 3a	Stell
Instrument Nazzles	7	155*	F	Welded	SFA 5.5 E7018 A1	0.41*	N/A	Shell
Instrument Nazzles	12	ť	F	Welded	SFA 5.5 E7018 A1	0.45"	N/A	Shell
MFW Inspection Plugs	8	· %*	F	·Welded	SA-105	0.30	SA-105	Shell
Downcomer Temp Sensor	3	1%" NPT fitting	P	Welded	SA-479 Type 315L	0.565	N/A	Shell

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

Pg. <u>5</u> of <u>6</u>

	•	· · · · · · · · · · · · ·		ME Code, Section III, Division 1	Pg	<u>6</u> of <u>6</u>
1. Manufa	ctured and certified by	Babcock & Wilcon		Boulevard, Cambridge, Ontario N1R	5V3	
2.Manufac	tured for Du	ke Power Company, P.O. Bo	ox 1006, North Carolina, 20		•	
3. Location	n of installation	Oconee 1, Seneca, Sout		me and addraxs of Purchaser)		
4. Type:	Vertical (hore a wet)	Heat Exchanger	006K02 (Cert. Helder's seriel rel.)	(rame and address) 006KE001 Rev. 3 &  (CRN) 006KE002 Rev. 1 (drawing ne.)	206 (Nat184 Ha.)	2003 (rear built)

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<u>List #5</u>

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

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List #6

Name	<u>State</u>	<u>Reg. No.</u>
M. C. Keck	N.C.	18367
J.C. Herrin	N.C.	14504

1.1 1.1

JQA-01	-045
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#### 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 On	e Day's Production		Pg. 1 of 2
1. Manufactured and certified by	ne Japan Steel Works, Ltd., M	UTOTAT Plent/4-Chatsu-	Bachi Murara	Hakkaido 051-8505 Japa
2. Menufactured for _Babcock & Wi	Licox,581 Coronation Bivd.,C			
3. Location of Installation <u>Oconee</u>			rolina	
4. Type	SA-508, Cl. 3a Min			2001
5. ASME Code, Section III, Division 1:	1989 N	o eddenda	](cless)	. (Code Case no.)
6. Fabricated in accordance with Cons	st. Spec. (Div. 2 only)			
7 Temarks * Hydrostatic test i	s not performed in The Japa is min. 0.20" from base me	n Steel Works, Ltd.		
•••••••••••••••••••••••••••••••••••••••	are SFA-5.4, ANS C1. E309L		-5.9 ER309L +	ER308L.
8. Nom. thickness (in.) <u>6-3/8"</u> 1 9. When applicable, Certificate Holder	Min. design thickness (in.) $6-3/54$	2 <sup>M</sup> 01- 10 /6 8 1-1 -3 3	0-758 4	
Part or Appurtenance Serial Number	<ul> <li>National</li> <li>Board No.</li> <li>In Numerical Order</li> </ul>	Part or Appurient Serial Numbe	ince	Neuonal Board No. In Numerical Order
(1)1050	421 '	(26)		
(2)	··	(27)		
. (3)	· · · · · · · · · · · · · · · · · · ·	(28)		
. (5)		(30)		
(6)		(30)		
(7)		[32]		
(8)		(33)		
(9)	l	(34)		
(10)		(35)		
(11) (12)		(36)		
		(37)		
(13)		(38)		<u> </u>
{[14]		(39)	1	
(15)	· · · · · · · · · · · · · · · · · · ·	[40]		
(16)		[41]		
(17)	·····	(42)		
(18)	· · · · · · · · · · · · · · · · · · ·	{43) {44}		
(19)	l	(45)		
		(46)		1
(21)		(47)		•
(23)		[48]		
(24)		[49]		
(25)		(50)		
			I	• •
10. Design pressure N/A	psi. TempN/A	•F. Hydro. tes	, L pressure	N/A at temp. *F

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

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

\* P.O. No. : CM3313634 Heat No. : OOD245-1-1

**[7/98]** 

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Lang Cher Con Street

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JSH Job No. : FN9-4304 JSH PC. No. : 1 E00040

Ewhen applicable

17-1

FORM N-2 (Back - Pg 2 of \_\_\_\_)

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	CERTIFI	ICATION OF DESIG	N			
esign specifications certified by .	N/A		P.E. State _	N/A	Reg. no.	N/A
•	lwhen applicable N/A	4)			•	
esign report* certified by	(when applicable)		P.E. State _	<u>N/A</u>	Reg. no.	<u>N/A</u>
	CERTIFIC	ATE OF COMPLIAN	 ICE		•	
			Part	•		
Ve certify that the statements made onforms to the rules of construction	•					······
IPT Certificate of Authorization No	N=2725		Expires	July 212	2001	
	The Japan Steel Works,	Ltd.	• • • • • • • • • • • • • • • • • • • •	1 -1.	A	
Feb. 22, 2001 Nam	Muroran Plant		Signed	140	and the	
····	(NPT Certificate Hol	KG67]			TAIRA	Hel 
	CERTIFIC	ATE OF INSPECTIC	DN	- X		
f <u>HARTFORD</u> . CT. est of my knowledge and belief, t I, Division 1. Each part listed has ly signing this certificate, neither t	been authorized for stamping on he inspector nor his employer ma	icribed in this Data I ted these parts or ap the date shown ab skes any warranty, é	opurtenances in ove. expressed or imp	accordance v	with the ASM	E Code, Seci
f <u>HARTFORD</u> . CT. est of my knowledge and belief, t I, Division 1. Each part listed has	have inspected these items des he Certificate Holder has fabricat been authorized for stamping on he inspector nor his employer ma either the inspector nor his empk	icribed in this Data I ted these parts or ap the date shown ab akes any warranty, é oyer shall be liable j	opurtenances in ove. expressed or imp	accordance v blied, concern or any person	with the ASM ling the equip hat jajury or p	E Code, Sect oment descrif

JQA-01-045 17-2

JUA-01-138 1/0-/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

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Pg. 1 of 2

Manufactured for Babcock	& Hilcox, 581 Coronation Blv	home and address of NP	NIR 5V3.Canada		
		Iname and address of purch	aser!		
Location of installation Oct	mee Nuclear Power Plant Uni	t 1.2 E 3 Oconee, Sout	h Carolina		
•••	•	Insme and addres	5)		
Type N148361%, Rev. 2	SA-508, Cl. 3a imaril spec. naj	Min. 90ksi			101
			(CRN)		ser build
ASME Code, Section III, Divis	ion 1:1989	No accenda	1		
			••••••		Se Cese na.)
Fabricated in actordance with	Const. Spec. (Div. 2 only)	Revision		Date	
* Remarket Hydrostatic te	st is not performed in The a	Japan Steel Forts It	~		
Cladding thick	mess is min. 0.20" from base	e metal	Là +		
Cledding mater	ials are SFA-5.4, AWS Cl. E	309L-16 + E308L-16 AT	SEA-5.9 ER30	T. + FRIDAT	
Nom, thickness (in.) 6-3/8		6-1/4" Die 10 14 1 1	1 9'-11.75"		1 71-0
When explicable. Certificate h	folders' Data Reports are attached	for each lines of this man	.) (d	angut overall (it & li	n.) <u>//-v.</u>
		tor each netti or uns repor	C		
B	National			Netion	al
Part or Appurtenance Serial Number	Board No. in Numerical Order		purtenance Number	Board I	
				in Numerica	Urger
(1) 1052	. 429 .	met.			
(2)		(27)			
(3)		(28)			
(4)		(29)			
(5)	•	(30)		· · · ·	
(6)	· · ·	(31)	• • • •	· · · · · · · · ·	
[7]		(32)			L.a
.(8)(8).		(33)		BWC	1
{9}		(34)	-1-INCOMIN	G INSPECTION	ķ.
(10)		(35)			
(11)		(36)			<u> </u>
(12)		(37)		25 2001	
(13)		(38)			
(14)		(39)		<u>C 16</u>	_ <u>_</u>
(15)		(40)		PROVED	
(16)	•	· · (41)			
(17)(18)				·	
		[43]	·		
(19)		(44)			
(20)		(45]			
(21)	·····	[46]			
(22)	·····				
(23)		(48)			
25		(49)			
		(50)			
Design pressureN/	•	1/λ •ε μ		K/A	

**{7/**98}

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

 \* P.O. No. : Ct3313634
 JSW Job No. : FN9-4305

 Heat No. : 00D331-1-1
 JSW PC. No. 2

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FORM N-2 (Back - Pg 2 of)	FORM 1	1-2	Back		Pg	2	of	2	}	
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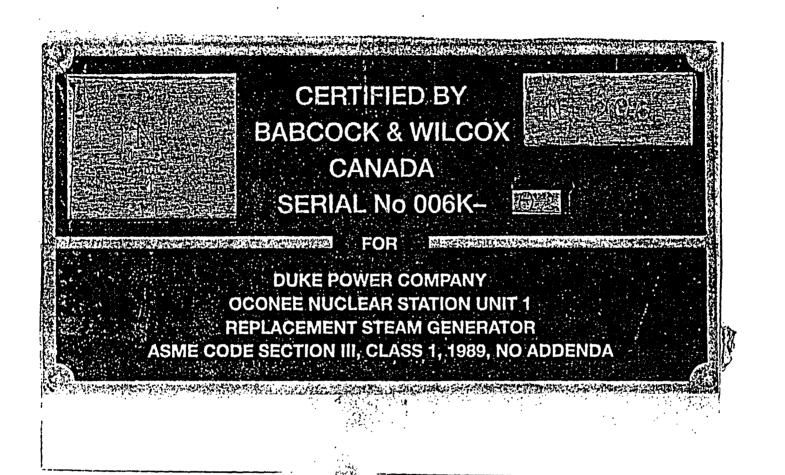
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		CERTIFICATION OF	DESIGN		
		N/A		N/A	
Design specific	ations certified by	twhen applicable)			-
Design report*	certified by	N/A	P.E. State	<u></u>	Reg. na
		CERTIFICATE OF COM	MPLIANCE		
		is report are correct and that this (the the ASME Code, Section III, Division 1.			<del>.</del>
	of Authorization No.	N-2725	Expires	July 21, 20	001
	T	he Japan Steel Horks, Ltd.		da.	
Date Apr. 1	19, 2001 Name	INPT Certificate Holder)	Signed	C Rail	Inviterneterian
		ha i ba nest i picat		J. T	
•		CERTIFICATE OF INS	Spection		
	ned, holding a valid comm DISand employed by	ission issued by the National Board of H.S.B.I. & I.Co.	Boiler and Pressure	Vessel Inspectors	and the State
		inspected these items described in thi	s Data Report on	11 19,200	and state
		tificate Holder has fabricated these par		n accordance with	the ASME Co
		uthorized for stamping on the date sho pector nor his employer makes any war			• • • • • • • • • • • • • • • • • • • •
		the inspector nor his employer shall be			
	kind arising from or conne		•		
- 1 - 1 - A		A	Commissions	.NB10104 . N. B	
Date The I	Signed	(Authorized Nuclear Inspector)	Commissions'	ITL Dd. Frict. endorsern	Incil and state or
:					
. 7	To be sent	further ng 07/11/01 Vanhus to the customer lata paekage		BW INCOMING IN JUN 25 Q.C. APPRO	3001 2001 16



006 KNG 2999 Wo #835716 ITEM<sup>#5</sup>208596 HYDROTEST AY STEAM GENERATOR

00#0740 AUG 13/2003 () AUG 13/2003 () AUG 13/2003 () AUG 12/2003 AUG 13/2003 AUG 12/2003 AUG 12/2007 A

	(	- · ·					OR REPLACEM		. (			
		uke Power 26 S. Churc	Company h Street, Charlotte, NC 20	8201-1006				•	1a. Date <u>/</u>	• •		
	Plant       Oconee Nuclear Station         Address       7800 Rochester Hwy. Seneca; S.C. 29672											
2a.	. Unit 🛛 1 🗍 2 🗍 3 🗍 Shared (specify Units) 3a. Work Order # <u>98561348-08</u>											
	Work Performed By Duke Power Company       Repair Organization Job #         Address 526 S. Church Street, Charlotte, NC 28201-1006       3b NSM or MM # 13105 Am1         Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A       3b NSM or MM # 13105 Am1											
4.	Identification	of System_	Building Spray	/ CI	ass	L	· ·	. •				
	<ul> <li>5. (a) Applicable Construction Code <u>B31.7</u> 1968 Edition, <u>6/68</u> Addenda, <u>Code Cases</u></li> <li>(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.)</li> <li>6. Identification of Components Repaired or Replaced and Replacement Components</li> </ul>											
 	Colu	mn 1	Column 2	Colum	n 3	Column 4	Column 5	Col. 6	Column 7	Column 8		
	Name of C	omponent	Name of Manufacturer	Manufac Serial Nu		National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)		
A	Boltin	G .	N/A	N/A		NA	N/A	1973	□ Repaired □ Replaced ⊠ Replacement	⊠ No □ Yes		
в	-	- ر 			•				<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes		
С		· · .							<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes		
D		•							Repaired     Replaced     Replacement	No Ves		
D E						· .	· · · · · · · · · · · · · · · · · · ·		Replaced			
-									Replaced     Replacement     Repaired     Replaced	Ves No		

# 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 Wo	rk Replaced (12) 1"studs + (2	(4) ["nuts on IB?	SFE000	2.8 Flonge
8. Test Conducted:	•	] Nominal Operating Pressur		Exempt
	Pressure psig Pressure psig	Test Temp Test Temp Test Temp	⁰F ⁰F ∘F <sup>`</sup>	
9. Remarks	Pressure psig		F	
 	(Applicable Manufacturer	's Data Records to be Attached	d)	
We certify that the of the ASME Code, Type Code Symbol S			ement conform	s to the rules
Certificate of Authori	zation No. N/A <u>OC Specialist</u> Owner or Owner's Designee, Title	Expiration Date I		
to <u>/2//5/03</u> ; and taken corrective mea Section XI. By signing this cer concerning the exam	CERTIFICATE OF INSE , holding a valid commission issued by tate or Providence of <u>Nerth(unl</u> , have inspected the components desc state that to the best of my knowledge a sures described in this Owner's Report rtificate, neither the Inspector nor his em- inations and corrective measures description ployer shall be liable in any manner for a	the National Board of Boiler a and employed by ribed in this Owner's Report and belief, the Owner has per in accordance with the require ployer makes any warranty, ibed in this Owner's Report.	during the perior formed examination rements of the A expressed or im Furthermore, ne	nd <u>/2/4/07</u> ations and ASME Code, applied, bither the

kind arising from or connected with this inspection.

<u>Neny CRitchel Staught</u> Commissions_ Inspector's Signature	NCII69 ABAT
Inspector's Signature	National Board, State, Providence and Endorsements
Date_12/15/03	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required By The Provisions Of The ASME Code Section XI 1a. Date 2 1. Owner **Duke Power Company** Address 526 S. Church Street, Charlotte, NC 28201-1006 Sheet \_\_\_\_\_ of Oconee Nuclear Station 2. Plant 7800 Rochester Hwy. Seneca, S.C. 29672 Address  $\mathbf{X}_1$  $\Pi_2$ **[]**3 Shared (specify Units 2a. Unit 3a. Work Order # ·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 # 4. Identification of System High Pressure Injection Class

5. (a) Applicable Construction Code <u>B31.7</u> 1968 Edition, 668 Addenda, <u>Code Cases</u> (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	Boltina	NA	ALA	N/A	NA	1973	Repaired     Replaced     X. Replacement	1254 No □ Yes
в				·			<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Yes
c							Repaired     Replaced     Replacement	No Ves
Ď						-	Repaired     Replaced     Replacement	No Ves
E							Repaired     Replaced     Replacement	□ No □ Yes
F						•	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves

Page 1 of 2

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## 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	n of work Renla	iced (12) 7/	'a" studet	nits on h	why bonne	t of val	N P J
1HP-13 8. Test Condi	35 (41)	rostatic Pneur	_	nal Operating P	l	5.7	
	Pressure		sig	Test Temp.	°F		
	Pressure	psps	sig	Test Temp.	°F		4
,	, Pressure	psps	sig	Test Temp.	۰۴		
9. Remarks	NA		,,				<del></del>
			······································				
(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 S	Symbol Stamp N/	<b>A</b>			•		
Certificate of Authorization No, N/A Expiration Date N/A							
Signed Plate Date 12/4/03 Owner or Owner's Designee, Title							
	·	- <u></u>		,			
- 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 Natthe Carolena and employed by							
to $12/5/03$ ; 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.							
NEmy CRitcher Structure Commissions NCII69ABNI							
Inspector's Signature National Board, State, Providence and Endorsements							
Date 12/5	103						

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

_					•						
			Company ch Street, Charlotte, NC	28201-1006			· · ·	1a. Date 1	2/4/03		
			lear Station ester Hwy. Seneca;	S.C. 29672	:		,* ·		01		
2a.	Unit 🕅 1		]2 🛛 3 🗍 S	hared (specify Units		) 3a. W	ork Orde	r # <u>986013</u> Repair Organiz	<u> 79-01</u>		
	Address 526 S. C	hurch S	Power Company Street, Charlotte, NC 28 p N/A Authorization No. I	201-1006 N/A Expiration Date N/A		•		Repair Organi:			
4.	4. Identification of System_High Pressure Injection_ Class										
	5. (a) Applicable Construction Code <u>B31.7</u> 1968 Edition, <u>6/68</u> Addenda, <u>Code Cases</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and										
	CC and the	ir sup	ports.)	d and Replacement Compon		(1992 Enrough	1772 A		b no and		
	Column 1		Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8		
	Name of Com	ponent	Name of Manufacture	r Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)		
A	Boltina		NA	N/A	N/A	N/A	1973	Repaired     Replaced     S. Replacement	⊠ No □ Yes		
в		•					·	Repaired     Replaced     Replacement	No Ves		
c								Repaired     Replaced     Replacement	No Ves		
D								Repaired     Replaced     Replacement	No Ves		
E			·					Repaired     Replaced     Replacement	No Ves		
F		- 1						Repaired     Replaced     Replaced     Replacement	No Ves		
L	· · · · · · · · · · · · · · · · · · ·					•	· ·	· · · · ·	Page 1 of 2		

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 4" val 8. Test Cond	n of Worł ve 1H ucted:	$\frac{Replac}{P-118}$	<u>ed</u> atic	<u>72" of 7</u> /9 □ Pneumatic	<u>8" Threaded rod</u>	t ((a) 7%" ng Pressure	<u>'nuts an</u> Other	body/bonn	et of		
9. Remarks	A/A	Pressure Pressure Pressure		psig psig psig	Test Temp Test Temp Test Temp	·	°F °F °F				
		(Applicable Manufacturer's Data Records to be Attached)									
We certify of the ASME					OF COMPLIANC correct and this repair		ment conforr	ns to the rules	$\cup$		
Type Code S	Symbol S	tamp N/A									
Certificate of Signed	Certificate of Authorization No. N/A Expiration Date N/A Signed 1917 OC Specialist Date 12/4/03 Owner or Owner's Designee, Title										
				<u> </u>	·			·	• .		

#### **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 <u>North Caroland</u> and employed by <u>HSBCT</u>

have inspected the components described in this Owner's Report during the period  $\frac{12/9/63}{10 - 12/5/62}$ ; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions\_NC/444 NIABL

Inspector's Signature

Date 12/5/03

		uke Power 26 S. Chur	Company ch Street, Charlotte, NC 28	201-1006					1/26/03	
			lear Station ester Hwy. Seneca; S.	C. 29672		•		Sheet _	of	
			2 3 Sha	red (specify Units		) · 3a. Wo	ork Orde	r # <u>984894</u> Repair Organiz	56 - 01	
•	Address 526	S. Church	Street, Charlotte, NC 2820 p N/A Authorization No. N/			3b. NS	SM or MN	M #		
	4. Identification of System Low Pressure Injection Class 2									
· 5.	5. (a) Applicable Construction Code <u>B31.7</u> 1968 Edition, <u>6/68</u> Addenda, <u>Code Cases</u> (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 C	omponent	Name of Manufacturer	Manufacturer Serial Number	<ul> <li>National Board Number</li> </ul>	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)	
Α.	Boltin	19	N/A	N/M	N/A	N/A	1973	Repaired     Replaced     Replaced     Replacement	⊠. No □ Yes	
в								Repaired     Replaced     Replacement	No Yes	
с				· · · · · · · · · · · · · · · · · · ·				Repaired     Replaced     Replacement	No Ves	
D							•	Repaired     Replaced     Replaced	No Ves	
E								Repaired     Replaced     Replaced	No Ves	
F		-						Repaired     Replaced     Replacement	No Ves	

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	n of Wor	K Replaced (11	) 3/4" studs	+(32) 34" nuts on 8"	body/1	connet 11					
8. Test Cond	ucted:	Hydrostatic	Pneumatic	Nominal Operating Pressure	C Other	🖾 Exempt	(b)				
9. Remarks	N/A	Pressure Pressure Pressure	psig psig psig	Test Temp.          Test Temp.          Test Temp.	⁰F ⁰F ⁰F	·					
		(Apj	olicable Manufactu	rer'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 S	Type Code Symbol Stamp N/A										
Certificate of Signed	Certificate of Authorization No. N/A Expiration Date N/A Signed 91										

#### **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 <u>North Carolina</u> and employed by <u>HSB</u> <u>CT</u> have inspected the components described in this Owner's Report during the period <u>10/21/03</u> to <u>11/27/03</u>; 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.

Nong Chilten Slow the Inspector's Signature Commissions\_\_\_\_

NC.1169ABNI

National Board, State, Providence and Endorsements

Date\_11/27/03

10

	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	201-1006	:	:		· -	10-22-03
	Plant Address		lear Station ester Hwy. Seneca; S.	C. 29672		· ·	-		
2a.	Unit	X1 [	] 2	red (specify Units		)	ada Orda	r # <u>98561949</u>	
	Address 526 Type Code :	S. Church	e Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/	A Expiration Date N/A				Repair Organi:	zation Job #
4.	Identification of System <u>High Ressure Injection</u> Class 2								
5.	. (a) Applicable Construction Code <u>B31.7</u> 1968 Edition, <u>1968</u> Addenda, <u>Code Cases</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and								
6.	CC and	their sup	Section XI Utilized for Repa ports.) ents Repaired or Replaced a		(1992 through	1992 A	ddenda for Clas		
	Col	imn 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Cotumn 7	Column 8
ŀ	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	Bolti	กล	N/A	N/A	N/A	J/A	1973	□ Repaired □ Replaced ☑ Replacement	⊠ 'No □ Yes
В		· · ·		•	:			Repaired     Replaced     Replacement	No Ves
C							· ·	Repaired     Replaced     Replacement	No Yes
D							:	Repaired     Replaced     Replacement	No No Yes
E								Repaired     Replaced     Replacement	, □ No ' □ Yes
F								Repaired     Replaced     Replacement	No Ves

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 We Body / Bo	ork Replaced (6) 1	," 2 studs t(12	) 1/2" nuts on 1	HP-13(2'5	valve)	
8. Test Conducted:	Hydrostatic P	neumatic 🗌 Norr	inal Operating Press	ure 🗌 Other	🖾 Exempt	
9. Remarks _ <u>人//</u>	Pressure Pressure Pressure A PII IO/22/07	_ psig _ psig _ psig	Test Temp Test Temp Test Temp	°F °F °F	·	
We certify that the	·	TIFICATE OF CO		·	ns to the rules	~
of the ASME Code,		report ale concer al	id and repair of repr			
Type Code Symbol	Stamp N/A					
Certificate of Autho	rization No. N/A		Expiration Date	03		
				•		
	d, holding a valid commiss State or Providence of <u>M</u>	ion issued by the Na		r and Pressure V		

have inspected the components described in this Owner's Report during the period 10/6/03 to 10/2-3/03; 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.

- Commissions\_\_\_\_\_ Inspector's Signature

Date\_10/23/03

NC1169 ABNI

National Board, State, Providence and Endorsements

Page 2 of 2

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

. <b>1.</b>			Company ch Street, Charlotte, NC 2	8201-1006				1a. Date ]	0-8-03		
· •		·· .						Sheet _	of		
2.			lear Station ester Hwy. Seneca; S	.C. 29672		•					
2a.	Unit 🗵	1 C	] 2 🖸 3 🚛 💭 Sha	ared (specify Units		) .		071			
3.	Work Performe	d By Duk	e Power Company			3a. Wo	ork Orde	r # <u>986233.</u> Repair Organi:	59-01		
•••	Address 526 S.	Church	Street, Charlotte, NC 282	01-1006 A Expiration Date N/A		3h NS	SM or MI	M #			
	. Identification of System Breathing Air Class_2										
5.	(a) Applicable (b) Applicable	Construct Edition of	ion Code_ <u>B31,1</u> Section XI Utilized for Repa	19 <u>6</u> Edition,	Ac	Idenda, (1992 through	1992 A	ddenda for Clas	_Code Cases s MC and		
e	CC and th	eir sur	oports.) ents Repaired or Replaced			(1))2 Uniou8n					
<u>.</u>			· · · · · · · · · · · · · · · · · · ·								
	Column	<b>1</b>	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Cólumn 8		
	Name of Cor	nponent	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	· · · ·				,		Repaired     Replaced	X No		
	BA-I			91-595-95-1-1	N/A	NA	1992	Replacement	Yes		
В		,						Repaired Replaced	No No		
	·		• · · · · ·		, : 		· .	Replacement	Yes		
c		· ·	:					Repaired Beplaced	No		
		<u> </u>	· · · · · · · · · · · · · · · · · · ·	, 	<u> </u>		ļ	Replacement	Yes		
D		· · .					· ·	Bepaired Replaced	□ No		
			· · · · · · · · · · · · · · · · · · ·		<u> </u>	·	<u> </u>	Replacement	Yes		
E		•	, ,					Repaired	No No		
				· · · · · · · · · · · · · · · · · · ·	<b> </b>	·		Replacement	Yes		
F	-			••		· · ·		Repaired Replaced			
			`	••		·		<b>Replacement</b>	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	n of Worl	Replac	red	disc in	a" volve	<u>a Ba</u>	1-172				
8. Test Condu	ucted:	Hydros	tatic	Pneumatic	Nominal Op	erating	Pressure	C Other	🛛 Exempt		
		Pressure Pressure Pressure		psig psig psig	Test	Temp. Temp. Temp.		국° 국° 국°			
9. Remarks	9. Remarks <u>N/A</u>										
(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	Certificate of Authorization No. N/A Expiration Date N/A										
Signed <u>Plast / QC Specialist</u> Date <u>10-8-03</u> 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 <u>Norrh Carolwa</u> and employed by <u>MSRCT</u>

have inspected the components described in this Owner's Report during the period  $\frac{9/21/03}{10/9/03}$ ; 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.

Commissions NC/474 NIABL

Inspector's Signature

Date\_10/9/03

1.	Owner Duke Powe Address 526 S. Chu	er Company rch Street, Charlotte, NC 28	3201-1006	· · · · · · · · ·			1a. Date	2/9/03_		
2.		iclear Station hester Hwy. Seneca; S	.C. 29672			·	januar janua	II		
	Unit 🖾 1	4 1 4 1	ared (specify Units		) ' 3a. W	ork Orde	# <u>9835945</u> Repair Organiz			
з.		Street, Charlotte, NC 2820 mp N/A Authorization No. N/			3b. NS	SM or MM	// #			
4.	. Identification of System_ <u>Feed water</u> Class_ <u>2</u>									
5.	5. (a) Applicable Construction Code 1331.1 1967 Edition, Addenda, Code Cases (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and									
6.	CC and their su	in Section XI Oulized for Repair ipports.) nents Repaired or Replaced i	e e e e e e e e e e e e e e e e e e e		(1992 Enrough	1992 A	adenda IOF CIAS	s no and		
$\left[ \right]$	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8		
	Name of Componen	t 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	N/A	NA	NA	NIA	1973	□ Repaired □ Replaced ☑ Replacement	⊠ No □ Yes		
в							Repaired     Replaced     Replacement	□ No □ Yes		
c							Repaired     Replaced     Replacement	No Ves		
D							<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No     Yes		
E							<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves		
F			-				Repaired     Replaced     Replaced     Replacement	No Ves		

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 Wor	* <u>Replace (1</u> -	2) 7/8" studs	+64) 1/2" nuts on 4" b	ody/bonni	et of IFDW	)-335
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pressur	e 🗍 Other	X.Exempt	
9. Remarks/A	Pressure Pressure Pressure	psig psig psig	Test Temp Test Temp Test Temp	°F °F °F		
	·····		urer's Data Records to be Attache	i)		1
We certify that the of the ASME Code, s	statements made		OF COMPLIANCE correct and this repair or replace	ement conform	s to the rules	Ú
Type Code Symbol S	Stamp N/A					
Certificate of Authori	zation No. N/A		Expiration Date I	ŧΛ		
Signed Altor	Dwner or Owner	<u>s Designee</u> , Title	Date_12/9/03	3		
						-

#### 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 <u>Math Caulin</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period 12/10/n 3 to 12/10/03 ; 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.

NEWY CRitcher Stoughter Commissions NC1169 ABNE Inspector's Signature National Board, State

ī.

Date 12-110/03

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required By The Provisions Of The ASME Code Section XI 1a. Date 2-10-0 1. Owner **Duke Power Company** 526 S. Church Street, Charlotte, NC 28201-1006 Address Sheet // of // <sup>1</sup> Oconee Nuclear Station 2. Plant Address 7800 Rochester Hwy. Seneca, S.C. 29672 1 10 3 1 Shared (specify Units 2a. Unit 3a. Work Order # Repair Organization Job # 3. Work Performed By Duke Power Company Address 526 S. Church Street, Charlotte, NC 28201-1006 3b. NSM or MM # \_\_\_\_\_ NA Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A D COOLANT 4. Identification of System KENCTO Class\_ 1967 Edition, SUMMER Addenda, 5. (a) Applicable Construction Code HSME 11 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.) 5. E. S. 6. Identification of Components Repaired or Replaced and Replacement Components Column 2 Column 3 Column 8 Column 1 Column 4 Column 5 Cól. 6 Column 7 National Repaired. ASME Code Year Other Manufacturer Replaced, or Name of Component Name of Manufacturer Board Stamped Serial Number dentification Built Number Replacement (yes or no) WESTINGHOUSE 181-6185981 Repaired X No X Replaced Α NA 1BI ROTATING ASSY. 602 Yes Replacement 6185981603 R.C. PUMP Repaired. UTC NO.  $\mathbf{X}$ WESTINGHOUSE No 2003 В SN-W-Z nt X Replaced 1 BI ROTAT ING 1061402 X Replacement Yes ASSV. Repaired  $\Box$ No С Replaced Yes • • Replacement Repaired • Π No D Replaced Yes Replacement Repaired Π No Ε Replaced  $\Box$ Yes Replacement Repaired  $\Box$ 

F.

Page 1 of 2

П

Replaced

Replacement

No

Yes

· · · · · ·			
is 8 1/2 in	. x 11 in. (2) information in ite	ketches, or drawings may be used, prov ems 1 through 6 on this report is include d and the number of sheets is recorded	ed on each
7. Description of Wor	REPLACED ROTATIA	GASSEMBLY ON IBI R.C.	Rump.
8. Test Conducted:	Hydrostatic Pneumatic	X Nominal Operating Pressure Other	Exempt
	Pressure 285 psig	Test Temp. N.O. T. °F	
	Pressure psig	Test Temp °F	
	Pressure psig	Test Temp °F	
9. Remarks	No. 12 FRN-67	<i>°</i> 6	
	(Applicable Manufactu	turer's Data Records to be Attached)	-
We certify that the of the ASME Code, S Type Code Symbol S	statements made in the report are Section XI.	E OF COMPLIANCE correct and this repair or replacement conform	ns to the rules
Certificate of Authoriz	Ation Moy N/A	Expiration Date N/A	
	ĩ	•	
Inspectors and the S to <u>Z//2/6</u> 4; and taken corrective mea Section XI. By signing this cer concerning the exam Inspector nor his emp	holding a valid commission issued tate or Providence of <u>North</u> have inspected the components of state that to the best of my knowled sures described in this Owner's Rep tificate, neither the Inspector nor his inations and corrective measures de	hy the National Board of Boiler and Pressure W described in this Owner's Report during the peri dge and belief, the Owner has performed examine port in accordance with the requirements of the is employer makes any warranty, expressed or in described in this Owner's Report. Furthermore, nor for any personal injury or property damage or a	iod <u>12/15/13</u> nations and ASME Code, mplied, neither the

Inspector's Signature

Commissions NLIAHA NIABL

· · · (

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C

1.	Owner Duke Power Address 526 S. Churc	Company ch Street, Charlotte, NC 28	201-1006	•	·	•		<u>S-11-03</u>	
2.	Plant <sup>†</sup> Oconee Nuc Address 7800 Roch	lear Station ester Hwy. Seneca; S.	C. 29672			•	Sheet _	10	
2a.	Unit 🕅 1 🗆	] 2 🗌 3 🦥 🗍 Sha	red (specify Units		.)		. 983/9/	19-11	
3.	Work Performed By Duke Address 526 S. Church S	Power Company Street, Charlotte, NC 2820	1-1006	i			# _ <u>9836910</u> Repair Organiz	ration Job #	
	Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A 3b. NSM or MM #								
4.	Identification of System	HIGH PRESSURE I	NECTION Class 2-	+3	• • •		· · · ·	~	
5.	(a) Applicable Construction	on Code	19 <u>87</u> Edition,	NA A	ddenda,	NA		_Code Cases	
l	CC and their sup	Section XI Utilized for Repa ports.)	4	-· · ·	(1992 through	1992 Ad	denda for Clas	s MC and	
6.	Identification of Compone	ents Repaired or Replaced a	nd Replacement Compone	ents		· · · · · · · · · · · · · · · · · · ·	· · · ·	·``	
	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Cotumn 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	D.P.Co.	NA	NX	NA	7/73	Repaired     Replaced     Replaced     Replacement	⊠ No `□ Yes	
в		•	· ·				Repaired     Replaced     Replacement	□ No □ Yes	
С							Repaired     Replaced     Replacement	□ No □ Yes	
D							<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes	
E							<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ 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 <u>WELVED</u> PIPE CAPS TO LABYRINTH SENC DP LINE ON SPARE VEXCTOR COOLANT HIMP SAV 4 - CI8J 981. 8. Test Conducted: Hydrostatic Preumatic Nominal Operating Pressure Other Exempt Pressure 1558 psig Test Temp. <u>N.O.T.</u> °F Pressurepsig Test Temp °F Pressurepsig Test Temp °F 9. Remarks <u>TEST H</u> <u>ILRN - C446</u>
(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 XIII ( 1000 A SPEC. Date FEB, 19, 2004 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Providence of <u>Norry Cases and</u> and employed by <u>NSACT</u> have inspected the components described in this Owner's Report during the period <u>SMM / A</u> to <u>2/1269</u> ; 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 <u>NC134444</u> <u>NTABC</u> National Board, State, Providence and Endorsements Date L/In/04

1.	Owner Address								
2.	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca; S.	C. 29672				Sheet _	/ of
2a.	Unit	🛛 1 🗆	] 2 🗌 3 📜 🗋 Sha	red (specify Units		.)	nde Orden	r# <u>985758a</u>	A - 01a
з.		rmed By Duke	Power Company			38. 990		Repair Organiz	ation Job #
		Iddress 526 S. Church Street, Charlotte, NC 28201-1006         ype Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A         3b. NSM or MM #							
4.	Identificatio	n of System <u>L</u>	ow Pressure Service Wate	Class		•	•	•	
5.	(a) Applica	ble Constructi	on Code <u>B31_1</u> Section XI Utilized for Repa	19 <u>67_</u> Edition,	A	ddenda,		· · · · · · · · · · · · · · · · · · ·	_Code Cases
	CC and	l their sup	ports.)			(1992 through	1992 A	ddenda for Clas	s MC and
. <b>6.</b>	· · · · · · · · · · · · · · · · · · ·		ents Repaired or Replaced a		ents	·····	[]		• 
Ĺ		lumn 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	Bolti	na	N/A	N/A	N/A	LTC 1057654 UTC 1058625 UTC 1062845	1973	□ Repaired □ Replaced ⊠ Replacement	No Ves
в								Repaired     Replaced     Replacement	No Yes
c		- - - - -						Repaired     Replaced     Replacement	No Ves
D								Repaired Replaced Replacement	No Ves
E		,						Repaired     Replaced     Replaced     Replacement	No Ves
F								Repaired     Replaced     Replacement	No Ves

. .

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 Wor Flange below ILPS	k <u>Replaced (16)</u> w- 878 outled	<u> 3/4" studs + (3</u>	a) 34" nuts on 6" Blind flanges	below ILPSU	<u>-879 inlet +</u>	Blind				
8. Test Conducted:		Pneumatic	Nominal Operating Pressure		🖾 Exempt					
	Pressure	psig	Test Temp.	°F						
	Pressure	psig	Test Temp.	°F						
	Presšure	psig	Test Temp.	°F						
9. Remarks <u>N/A</u>										
						-				
<u> </u>						-				
	(Ap	olicable Manufactu	urer's Data Records to be Attached)			_				
[			OF COMPLIANCE			7				
We certify that the of the ASME Code, S		in the report are	correct and this repair or replacen	nent conform	ns to the rules					
Type Code Symbol S	Stamp N/A									
Certificate of Authoriz	zation No. N/A		Expiration Date N/	4						
Signed_P1400										
	= CERT	IFICATE OF I	NSERVICE INSPECTION			·				
I the undersigned	holding a miblod	mmission issued	by the National Board of Boiler and	1 Pressure V	assel	1				

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of <u>Norrh Chround</u> and employed by <u>HSBLT</u>

have inspected the components described in this Owner's Report during the period <u>2/11/69</u> to <u>2/11/69</u>; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions NC /444 NIABL

Inspector's Signature

ons NC 1777 DLAGL

Date\_<u>C/17/04</u>\_\_\_\_

	C		$\subset$	:				(	
			/NER'S REPORT FOR By The Provisions (						
1.	Owner Duke Power Address 526 S. Churc	Company ch Street, Charlotte, NC 28	3201-1006	1	••			11-13-03 L of L	
2.	Plant <sup>1</sup> Oconee Nuc Address 7800 Roch	lear Station ester Hwy. Seneca; S.	.C. 29672				Sneet _	<u> </u>	
2a.	Unit 🕅 1 🗆	] 2 🗌 3 👘 🗍 Sha	ared (specify Units	. <u></u>	.) 3a. W	ork O <sup>r</sup> der	# 986234	455	
3.	Work Performed By Duke Power Company       3a. Work Order # <u>780C3733</u> Address 526 S. Church Street, Charlotte, NC 28201-1006       Repair Organization Job #         Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A       3b. NSM or MM # <u>18043</u>								
		OW PRESSURE 1		2		•			
, <b>5.</b>	(a) Applicable Constructi (b) Applicable Edition of	on Code <u>AAGI B31.7</u> Section XI Utilized for Repa	19 <u>68</u> Edition, <u>9</u>	<u>1968</u> A	ddenda,/	1992 Ad	Idenda for Clas	_Code Cases	
6.	CC and their sup	ports.) ents Repaired or Replaced a	*	·. ·			2		
	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	D.P.Co.	NA	NA		7/73	Repaired Replaced Replacement	No Ves	
в		•	· · · ·				<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves	
С						·	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes	
D					:		<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes	
E						-	Repaired     Replaced     Replacement	□ No □ Yes	
F							Repaired     Replaced     Replacement	No Ves	

.

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 Wo	rk MADE	WED REPAIR	TO WELD /-	53B-3-18F Hole LEAKIN Pressure Other D	<u>Y INSTALLIN</u>
8. Test Conducted:	HAC Hydros	tatic Pneumatic	A Nominal Operating	Pressure Other	] Exempt WEL
	Pressure	<u>440</u> psig	Test Temp.	N.O.TF	
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
9. Remarks TEA	ZFORME	ED SYS. LEAK	TEST + NDE	PER ASME	CODE
CA	SEN.	41.6-1			
TE	57#1	2 FRN-676			
				·	
		(Applicable Manufacture	r'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 thorization No. N/A Expiration Date N/A Date / Sign/ed Owner or Owner's Designee

#### **CERTIFICATE OF INSERVICE INSPECTION**

have inspected the components described in this Owner's Report during the period  $\frac{1}{2\sqrt{3}}$  to  $\frac{2}{17/5}$ ; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

2/17/24

Date

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Commissions NC 1444 NIABC

1.	Owner Address	Duke Power 526 S. Chur	Company ch Street, Charlotte, NC 24	8201-1006				1a. Date /	<u>-12-03</u>		
2.	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca; S	.C. 29672				Sueer -	01		
	Unit: 1 1 2 3 Shared (specify Units) 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										
5.	<ul> <li>Identification of System <u>LOW PRESSURE INJECTION</u> Class <u>Class</u> <u></u></li></ul>										
6.	<u></u>	umn 1	Column 2	Column 3	ents 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	31R 1-5 436 D-	53B- H5701	DPC	NA	NA	NIA	2003	Repaired     Replaced     Replaced     Replacement	· 🐼 No		
в							1	Repaired Replaced Replacement	No Ves		
c							с. .+	Repaired     Replaced     Replacement	No Ves		
D								Repaired     Replaced     Replacement	No Ves		
E				•				□ Repaired □ Replaced □ Replacement	□ No □ Yes		
F				•		1	•	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves		

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.

•			6-						
7. Description of Wor	* INSALL	<u>5/R 1-53</u>	8-431aD-H5	701					
8. Test Conducted:	Hydtosta 🗌	tic 🗌 Pneumatic	Nominal Operating	Pressure Other	Exempt				
	Pressure	psig	Test Temp.	°F					
	Pressure	psig	Test Temp.	۴					
	Pressure	psig	Test Temp.	°F	•				
9. Remarks	5/A								
	• 								
		·							
				A.A					
		(Applicable Manufacti	irer's Data Records to be	Attached)	$\sim$				
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, s	Section XI.		-	-					
Type Code Symbol S	Stamp N/A								
Certificate of Authorit	zațion No. N/	A- 1	Expiratio	n Date N/A					
signed Xalla (1	Owner or Ov	her's Designee, Title	E. Date NC	V.12,2003					
	÷-								
	CE	RTIFICATE OF I	NSERVICE INSPEC	TION					
I, the undersigned	, holding a vali	d commission issued	by the National Board of	Boller and Pressure V	(e <u>ss</u> el				
· · · · · · · · · · · · · · · · · · ·	_ have inspect	ed the components c	tolence and emplo	Report during the peri	od 7/10/03				
to $\frac{1/26/04}{2}$ ; and	state that to the	e best of my knowled	ge and belief, the Owner	has performed examin	nations and				
Section XI.	sures describe	a in this Owner's Rep	ort in accordance with th	ne requirements of the	ASME Code,				

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

Commissions\_

Inspector's Signature

1/24/04

Date.

NC1169 NEAB

			- - -	$\left( \cdot \right)$		,		(
	•		VNER'S REPORT FOI By The Provisions C				•	
	Owner Duke Power Address 526 S. Chur	r Company ch Street, Charlotte, NC 2	0201-1002					1-21.03
	<b>.</b> ,				•		Sheet _	<u></u> of
	Plant Oconee Nuc Address 7800 Roch	lear Station ester Hwy. Seneca; S	.C. 29672				•	
2a.	Unit 🖾 1 🛛	]2 🗌 3 🔲 Sha	ared (specify Units	-	)		90171	897-0
3.	Work Performed By Duk				3a. W	ork Orde	r # <u>984763</u> Repair Organi:	zation Job #
	Address 528 S. Church	Street, Charlotte, NC 2820 p N/A Authorization No. N/		•_	3b. N	SM or MI	M#NA	
		HIGH DRESSARE INSECTION	· · · · · · · · · · · · · · · · · · ·		•		· · ·	.;
	. '				Idonda N/	'A.		Code Cases
	(b) Applicable Edition of	ion Code AUST 831.7 Section XI Utilized for Repa	airs or Replacements 1989	, No Addenda	(1992 through	1992 A	ddenda for Clas	s MC and
6.	CC and their sup Identification of Compone	ents Repaired or Replaced	and Replacement Compon	ents	· ·	•		· .
	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	5 K 1-57-0- 43CoD-5R8	DPC	NA	NA	is/A	2003	Repaired Replaced Replacement	· 🛛 No
в	5 <sup>-</sup>	•					Repaired     Replaced     Replaced     Replacement	No Ves
С			· · · · · · · · · · · · · · · · · · ·		•		Repaired     Replaced     Replaced     Replacement	No. Yes
D							Repaired     Replaced     Replaced     Replacement	No Ves
E							Repaired Replaced	
							Replacement	_ 🗌 Yes

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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.

•	•		v		
7. Description of	of Work <u>REPAIR</u>	5/R 1-51-0-	434D-5R8		
8. Test Conduc	ted: 🛛 Hydłosta	tic Pneumatic	Nominal Operating Press	sure Other	Exempt
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	۹°	
	Pressure	psig	Test Temp.	°F	•
9. Remarks	NIA				
		(Applicable Manufactu	irer's Data Records to be Attac	hed)	
		CERTIFICATE	OF COMPLIANCE		
	nat the statements m code, Section XI.		correct and this repair or rep	lacement conform	ns to the rules
Type Code Syr	mbol Stamp N/A				
Certificate of A	uthorization No. N.	A	Expiration Dat	e N/A	
Signed X	Mama	V QA Spre	Date NOV. a	21,2003	
	( Qwner or Ow	mer's Designee, Title			
	~				
			<b>VSERVICE INSPECTION</b>	-	
I, the unders	ligned, holding a vali	d commission issued	by the National Board of Bolk	and Pressure V	essel
	have inspec	ted the components o	lescribed in this Owner's Repo	ort during the perk	od <u>4/4/02</u>
to $1/26/0.3$ taken corrective Section XI.	; and state that to the	e best of my knowled	ge and bellef, the Owner has port in accordance with the rec	performed examin	nations and
By signing th	nis certificate, neither	r the Inspector nor his	employer makes any warrant	y, expressed or in	nplied,
concerning the	examinations and co	prrective measures de	escribed in this Owner's Repo for any personal injury or prop	t. Furthermore, ne	either the
kind arising from	m or connected with	this inspection.	ior any porsonia injury of prop	ong oundyo of a	
Olto	1/1				Ĩ
KAN	///	Commissions	1145094	N. T. A	1

Inspector's Signature Date 11-26-03

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required By The Provisions Of The ASME Code Section XI 1a. Date 12-16-03 **Duke Power Company** 1. Owner 526 S. Church Street, Charlotte, NC 28201-1006 Address Sheet / of Oconee Nuclear Station 2. Plant 7800 Rochester Hwy. Seneca: S.C. 29672 Address Shared (specify Units\_\_\_\_ 2a. Unit 3a. Work Order # <u>98635031-0/</u> Repair Organization Job # 3. Work Performed By Duke Power Company Address 528 S. Church Street, Charlotte, NC 28201-1008 3b. NSM or MM # \_\_\_\_\_\_\_\_\_/14 Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A Class 2 4. Identification of System MAIN STEAM NA 5. (a) Applicable Construction Code <u>ANST B 31.1</u> 19<u>67</u> Edition, <u>N/H</u> Addenda, <u>N/H</u> Code Cas (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and Code Cases CC and their supports.) 6. Identification of Components Repaired or Replaced and Replacement Components Column 7 Column 8 CoL 6 Column 2 Column 4 Column 5 Column 1 Column 3 Repaired. ASME Code National Year Other Manufacturör Name of Component Name of Manufacturer Replaced, or Stamped Board Serial Number Identification Built Replacement Number (ves or no) SKUBBER ON SK Repaired R No GRINNELL 16292 GRINNELL 35480 NĄ X Replaced A 1-01A-0-550-R2 Yes Replacement SNUBBER ON SIR 35480 Repaired No No NA 2003 Replaced B 1-01A-0-550-R2 Yes Replacement Repaired No Replaced Ć Yes Replacement **Repaired** No Replaced D Π Yes Replacement □ Repaired П No □ Replaced Ε Π Yes Replacement Repaired 2.4 No Replaced F Yes Replacement

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.

	0-000	PALL DOCO	un the in	A ECA- PT	>
7. Description of Wo	rk <u>KEPAIR</u> I	ANDOR	ON 5/R 1-014-	-0-550-~~	
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	NIA	<del></del>			~~~~~
·		······································			
	(Ap	plicable Manufactu	irer's Data Records to be	Attached)	
[		CERTIFICATE	OF COMPLIANCE		
We certify that the of the ASME Code,		in the report are	correct and this repair o	r replacement confor	ms to the rules
Type Code Symbol	Stamp N/A				
Certificate of Author	ization No. N/A	Λ	•	n Date N/A	
Signed XUM(1	<u>Qwner or Owner</u>	BA SPA 's Designee, Title	Date	5.14,2003	
	÷				·····
	CERT	IFICATE OF I	SERVICE INSPECT	ΓΙΟΝ	
			by the National Board of		Vessel

have inspected the components described in this Owner's Report during the period  $\frac{12-16-03}{10-12-03}$  to  $\frac{12-16-03}{10-12-03}$ ; 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

12-12-03

Date

Commissions\_NC/AAANIABL

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					فكالمعصب والمراجعة فالمرجع ومستعداتها						
1.		er Company urch Street, Charlotte, NC 2	8201-1006		•			5-20-02 1_ of _			
		uclear Station chester Hwy. Seneca, S	.C. 29672				Sheet_	<u> </u>			
2a.	Unit 🕅 1 👘	2 3 ' 🗆 ' 🗠 ' Sha	ared (specify Units		) '	 Inde Orden	# <u>984284</u>	18 07			
,	Address 526 S. Churc Type Code Symbol Sta	Work Performed By Duke Power Company       Repair Organization Job #         Address 526 S. Church Street, Charlotte, NC 28201-1006       State N/A         Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A       State N/A									
4.	Identification of System <u>STEAM DRAIN</u> Class										
5.	(a) Applicable Construction Code <u>ANST B31.7</u> 1969 Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Cases (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and										
6.	CC and their s Identification of Compo	onents Repaired or Replaced	and Replacement Compone	ents		•					
	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8			
	Name of Componer		Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)			
A	1-014-0-550-K12	GRINNELL	18819	ΝΙΑ	NA	NA	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	Ø No □ Yes			
в	SUUBBER ON 3/R 1-01A-0-550-R1-		35386	NA	NA	2002	□ Repaired □ Replaced ⊠ Replacement	⊠ No □ Yes			
c							<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes			
D							<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves			
E							<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves			
F							<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves			

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 Wor	KREINSTAL	- SNUGBER	ON SIR I SIA-C	0-550-R12					
8. Test Conducted:	Hydrostatic	_	Nominal Operating	_	Exempt				
	Pressure	psig	Test Temp.	°F	,				
	Pressure	psig	Test Temp.	°F					
	Pressure	psig	Test Temp.	°F					
9. Remarks	·				·				
	(Ap	olicable Manufactu	irer'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 S	Type Code Symbol Stamp N/A								
Certificate of Authoriz	zation, No. N/A.	1	Expiration	n Date N/A					
Signed	Manchll	QA SOL.	Date	120,2002					
170	Owner or Owner	's Designee, Title	ග්ද	1.7.2002					
·				Zm					
	🚆 CERT	IFICATE OF I	SERVICE INSPECT						
			by the National Board of		/essel				
inspeciois and the 5	have inspected	the components of	and employ and employ escribed in this Owner's	Report during the peri	iod 4-6-02				
	state that to the be	est of my knowled	ge and belief, the Owner	has performed examined	nations and				
taken corrective mea Section XI.	sures described in	this Owner's Rep	port in accordance with th	e requirements of the	ASME Code,				
	tificate, neither the	Inspector nor his	employer makes any wa	arranty, expressed or i	mplied,				
			escribed in this Owner's F						
kind arising from or c			for any personal injury or	r property damage or a	a loss of any				
boy E		mmissions /	# 360 NIC		I \				
Inspector's Sign		//////////////////////////////////////	National Board, State, P	rovidence and Endors	ements				
Date 10-7-02									

•

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1.	Owner Address	Duke Power		9201 1000					6-06-02
~		. <b>.</b>	ch Street, Charlotte, NC 2	0201-1000		•	•	Sheet _	<u>/</u> of _/_
2.	Plant Address		lear Station ester Hwy. Seneca, S		·		<b>-</b> ,		
2a.	Unit		]2 🔲 3 🛄 Sh	ared (specify Units		)			101
3.	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. vi 3b. N	SM or MM	# <u>9847980</u> Repair Organiz	zation Job #
4.	Identificatio	on of System	HIGH PRESSURE INTE	TION Class_2					
5.		ble Constructi ble Edition of 1 their sup	Section VI Officer for Leb	19 <u>98</u> Edition, airs or Replacements 1989,	No Addenda	ddenda,// (1992 through	<u>9</u> 1992 Ad	denda for Clas	_Code Cases s MC and
6.	Identificatio	on of Compone	ents Repaired or Replaced	and Replacement Compone	ents	• •			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
	Co	lumn 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	3/R 1-: -444-	578-2-0- H41	DPC	NA	NA	NA	2002	<ul> <li>☑ Repaired</li> <li>□ Replaced</li> <li>□ Replacement</li> </ul>	⊠ No □ Yes
В	*		•		i.			Repaired     Replaced     Replacement	No     Yes
С		•						Repaired     Replaced     Replacement	No     Yes
D								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
E		• •						<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
F	:					·		<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves

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	WELD SHIM TO	EXISTING ON	3R 1-518-2-0-1	444-441				
8. Test Conducted:	Hydrostatic	Pneumatic 🛛 N	ominal Operating Pressure	Other DEExempt				
	Pressure	psig	Test Temp.	°F				
	Pressure	psig	Test Temp.	°F				
		psig	Test Temp.	°F				
9. Remarks								
	<u></u>	·						
	(Applica	ble Manufacturer's D	ata 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, S Type Code Symbol St								
	•							
Certificate of Authoriz	ation No. N/A		Expiration Date N	/Α				
Signed / //////////////////////////////////	VI (an Opli	WA SPECI	DateUNE U	202				
\. \	Owner or Owner's D	esignee, litte	Oc77_6	2002				
<u> </u>			Leni					
			VICE INSPECTION					
I, the undersigned,	holding a valid comm	ission issued by the	National Board of Boiler an	nd Pressure Vessel				
inspeciois and the Sta	have inspected the	components describ	and employed by ed in this Owner's Report d	luring the period 4-2402				
to 10-7-07; and s	tate that to the best o	f my knowledge and	belief, the Owner has perf	ormed examinations and				
taken corrective meas Section XI.	ures described in this	Owner's Report in a	accordance with the require	ements of the ASME Code,				
	ificate, neither the Ins	pector nor his emplo	yer makes any warranty, e	xpressed or implied.				
concerning the examin	nations and corrective	measures describe	in this Owner's Report. F	urthermore, neither the				
			personal injury or property	damage or a loss of any				
kind arising from or co	mnected with this insp							
adit	$\overline{z}$	issions6A-3b	o and	ì				
Inspector's Sign			al Board, State, Providence	e and Endorsements				
Date_10-7-02		•						

		, no noquitou	by the trevisions e				· ·	
	Owner Duke Power Address 526 S. Chun	r Company ch Street, Charlotte, NC 28	3201-1006				1a. Date /	1-19-03 1_ or _1
		ester Hwy. Seneca; S		•				
2a.	Unit 🕅 1	]2 🔲 3 🗍 She	)		985929	717-64		
3.	Image: Work Performed By Duke Power Company       3       Shared (specify Units)       3a. Work Order # <u>98592917-64</u> Repair Organization Job #       Address 526 S. Church Street, Charlotte, NC 28201-1006       Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A       3b. NSMor MM # <u>13093</u>							
4.	Identification of System	LOW PRESSURE IN SECT	TON Class_/		emn.			,
	CC and their sur	ion Code <u>AUSI 83/.7</u> Section XI Utilized for Repare ports.) ents Repaired or Replaced		,	denda, <u>N/K</u> (1992 through	7 1992 A	ddenda for Clas	_Code Cases s MC and
	Column 1	Cotumn 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	5/R 1-53A-0- 479A-HIB	DPC	NJA	NA	NYA	A003	Repaired Replaced Replaced	· 🖄 No 🗌 Yes
в		•	:				Repaired     Replaced     Replaced     Replacement	No Ves
c							Repaired     Replaced     Replacement	No Ves
D							Repaired     Replaced     Replaced     Replacement	No Ves
E							Repaired     Replaced     Replaced	□ No □ Yes
F						-	Repaired     Replaced     Replaced	No Ves

۴

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 Wo	rk WELD BU	140UP Fo	R 5/R 1-53A-0-47	<u> 79 A - H</u>	1B		
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pressure	Other	20 Exempt		
9. Remarks/	Pressure Pressure Pressure V/H	psig psig psig	Test Temp.          Test Temp.          Test Temp.          Test Temp.	°F °F °F			
(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,					•		
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A. Signed <u>WM</u> ( <u>MMM</u> <u>DA</u> <u>506C</u> , Date <u>NOV, 19, 2003</u> 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							

I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Providence of <u>Nerth Custum</u> and employed by <u>HSBCT</u>

have inspected the components described in this Owner's Report during the period  $\frac{10/4/03}{10/4/03}$  to  $\frac{12/9/03}{10/2}$ ; 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.

NEncy CRitchie Sloughte Inspector's Signature

Commissions NC1169ABNI

Date 12/9/03

:•

1

	Owner Address	Duke Power 528 S. Churc	Company ch Street, Charlotte, NC 28	201-1006				1a. Date //	1_18-03
	Plant Oconee Nuclear Station Address 7800 Rochester Hwy. Seneca; S.C. 29672							Sheet _/	<u></u>
2a.	Unit	⊠1 ⊑	]2 <b>3</b> Sha	)	orte Ointo		93-32		
3.	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							r # <u>98538/</u> Repair Organiz A # <u>1309</u>	ation Job #
4,	Identificatio	n of System∠	OW PRESSURE INJECTIO	N Class_2	- AM	•			•
5.	(a) Applica	ble Construct	on Code ANST 831.7	19.48 Edition, -4	Ad	idenda, <u>N/A</u>			_Code Cases
	<ul> <li>4. Identification of System <u>2000 pressure: INSECTION</u> ClassCLASSLASSCLASSCLASSCLASSCLASS</li></ul>							ddenda for Clas	B MC and
	Col	umn 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	3/R 1-5 478A-1		DPC	NIA	NA	NA	2003	Repaired     Replaced     Replaced     Replacement	· 🛛 No
в			•					Repaired     Replaced     Replacement	No Ves
c	1	÷ .		•		•		Repaired     Replaced     Replacement	No Ves
D								Repaired     Replaced     Replacement	No Ves
E								Repaired     Replaced     Replacement	□ No □ Yes
F								Repaired     Replaced     Replaced	□ 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.

			10		1.		
7. Description of Wor	* <u>INSTA</u> 2	<u></u>	7 <u>K 1-53</u> F	H-478A-H64	43		
8. Test Conducted:	Hydłost	latic	Pneumatic	Nominal Operating Pressure		Other	Exempt
	Pressure		psig	Test Temp.	<del></del>	°F	
	Pressure	<u></u>	psig	Test Temp.		°F	
	Pressure	<del></del>	psig	Test Temp.		°F	
9. Remarks/	H						
			 ·				
							······
		(App	licable Manufactu	irer's Data Records to b	e Attached)		
We certify that the of the ASME Code, S				OF COMPLIANCE correct and this repair	-	nent conform	ns to the rules ;
Type Code Symbol S	Stamp N/A						
Certificate of Authoria	zation No. N	VA /	1	Expirat	ion Date N/A	۹.	
Signed	Qwner or O	wners	Designee, Title	Z. Date <u>A</u>	10V.0 18;	2003	
	*						
	C	ERTI	FICATE OF I	SERVICE INSPEC	CTION		
Inspectors and the S to $\underline{/2 - / 0 - 03}$ ; and	tate or Provid have inspe- state that to t	lence d icted th he bes	the components d to f my knowledge	by the National Board <u>escribed in this Owner</u> ge and belief, the Owner wort in accordance with	loyed by <u>//</u> 's Report du er has perio	<u>SSCT</u> ring the perk rmed examin	od $5 \cdot 1/ \cdot 03$ nations and

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.

Date 12-11-03

Inspector's Signature

Commissions NC/444 NIABC

National Board, State, Providence and Endorsements

Dana 2 of 2

	Owner Address	Duke Power 528 S. Churc	Company ch Street, Charlotte, NC 28			1a. Date /	<u>1-18-03</u> <u>1</u> or <u>1</u>		
	Plant Address		lear Station ester Hwy. Seneca; S.	C. 29672		· · · ·	<b>、</b>		
	. Unit 🛛 1 🗍 2 🛄 3 🗍 Shared (specify Units) 3a.							r # <u>9849/53</u> Repair Organia	39-01
3.	<ul> <li>Work Performed By Duke Power Company</li> <li>Address 526 S. Church Street, Charlotte, NC 28201-1006</li> <li>Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A</li> <li>3b. 1</li> </ul>							Repair Organi: 1 #	zation Job #
		_	416H PRESSURE INSECTI			· · · · · · · · · · · · · · · · · · ·	•	•	•
5.	(a) Applical (b) Applical	ble Construction of	on Code <u>ANSE B31.7</u> Section XI Utilized for Repa	19 <u>68</u> Edition, <u>N</u> Ins or Beplacements 1989.	No Addenda	idenda, <u>N</u>	<u>A</u>	ddenda for Clas	_Code Cases a MC and
	CC and	their sup	ports.) ants Repaired or Replaced a						
	Col	umn 1	Column 2	Column 3	c Column 4	Column 5	CoL 6	Column 7	Column 8
		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	3/R 5/1 478A-1	4-0- 4вс	DPC	NIA	NA	is/A	2003	Repaired Replaced Replacement	· 🛛 No
B							• • • • • • • • • • • • • • • • • • •	Repaired     Replaced     Replacement	No Ves
С					,			Repaired     Replaced     Replacement	No Ves
D		- 	· ·					Repaired     Replaced     Replacement	□ No □ Ýes
E								Repaired     Replaced     Replaced	No Ves
F				с			ŕ	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ 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.

•			6.		
7. Description	of Work ADD SHIM TO	<u> 3/R 51A-0-4</u>	478A-H8C		
8. Test Conduc	cted: 🛛 Hydłostatic 🗍 Pne	eumatic 🗌 Nomi	nal Operating Pressure	Other	Exempt
	Pressure	psig	Test Temp.	•F	
	Pressure	_ psig	Test Temp.	•F	
	Pressure	psig	Test Temp.	•F	•
9. Remarks _	<u>N/A</u>				
		<u> </u>			
·					
	(Applicable I	Manufacturer's Data	Records to be Attached)	•	
		FICATE OF CO			
Type Code Sy	Code, Section XI. mbol Stamp N/A Authorization No. N/A. W. W. W. W. W. Qvmer or Owner's Design	1 <u>SNEC,</u> nee, Title	Expiration Date N Date/ <i>DY.16,3</i>		;
	CERTIFICAT	E OF INSERVIC	CE INSPECTION		
I, the under	signed, holding a valid commissio	on issued by the Nat	tional Board of Boller ar	d Pressure V	essel
to 11/21/03	d the State or Providence of <u>Aba</u> have inspected the comp _; and state that to the best of my /e measures described in this Ow	ponents described h knowledge and bel	n this Owner's Report d lief, the Owner has perfe	uring the perk ormed examir	nations and
By signing the concerning the inspector nor h	his certificate, neither the Inspect examinations and corrective me his employer shall be liable in any or connected with this inspecti	asures described in manner for any per	this Owner's Report. Fi	urthermore, n	either the
- All	Commissie	ons NC1444	NIRAL		

1.	Owner	Duke Power	r Company					1a. Date /	1-15-03
	Address		ch Street, Charlotte, NC 2	8201-1006				Sheet	of
2.	. Plant Oconee Nuclear Station Address 7800 Rochester Hwy. Seneca; S.C. 29672								
2a.	. Unit 🛛 1 🗍 2 🗍 3 🗍 Shared (specify Units)								
3.	A. Unit 21 22 3 Shared (specify Units) 3a. Work Order # <u>98487243-01</u> Repair Organization Job # Address 526 S. Church Street, Charlotte, NC 28201-1006								
_	Type Code	Symbol Star	NA Authorization No. N/ MAIN STEAM	A Expiration Date N/A		3 <b>D.</b> NS	SM OF M	И # <u>————</u> # N	
					1/10	110			•
5.	(a) Applica	ble Construct	ion Code <u>ANST 637</u> Section XI Utilized for Repa	19 10 Edition	No Addende	Idenda, <u>NA</u>	1002 A	ddanda for Clas	_Code Cases
6.	CC and	I their sur	ents Repaired or Replaced			(1992 Chrodyn	1772 1		
	Co	lumn 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 Bullt	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	3/K 1- 0-40	0777-7-1-1: 1A-H44	DPC	NIA	NA	iU/A	2013	Repaired Replaced Replacement	· 🖾 No 🗌 Yes
В		. · ·						Repaired     Replaced     Replaced     Replacement	No Ves
С		. <sup>1</sup>						Repaired     Replaced     Replacement	No Ves
D							·	Repaired     Replaced     Replaced     Replacement	No Ves
E							-	Repaired     Replaced     Replacement	No Ves
F	· · · · ·					· ,	1.	Repaired     Replaced     Replaced     Replacement	No Ves

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.

•			6.	
7. Description of Wo	K <u>REPAIR</u>	3/R 1-0/	<u> 4-1-1-0-401A-1</u>	444
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pressu	re Other EExempt
	Pressure	psig	Test Temp.	°F
	Pressure	psig	Test Temp.	•F
	Pressure	psig	Test Temp.	۴
9. Remarks	N/A		·	
·		·		
	(Aŗ	plicable Manufactu	irer's Data Records to be Attache	(b:
We certify that the of the ASME Code, s Type Code Symbol s Certificate of Authori	Section XI. Stamp N/A		OF COMPLIANCE correct and this repair or repla Expiration Date	N/A
Signed Xamil	Owner or Owner	hu () A r's Designee, Title	<u>DECi</u> Date OCT. 1	<u>57200</u> 3
to <u>187 sale for</u> ; and taken corrective mea Section XI.	, holding a valid c tate or Providence have inspected state that to the b sures described in	ommission issued of <u>North Ca</u> the components d est of my knowled in this Owner's Rep	NSERVICE INSPECTION by the National Board of Boiler <u>ACLANA</u> and employed by lescribed in this Owner's Report ge and belief, the Owner has per port in accordance with the requ	<u>HSB CT</u> t during the period <u>B/S/03</u> enformed examinations and irements of the ASME Code,

ils certificate, neither the Inspector nor his employer makes any warranty, expressed or 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 NLIAA NIABL

Date\_ 10/16/03

1.	Owner Address	Duke Power 526 S. Chur	Company ch Street, Charlotte, NC 24	3201-1006				1a. Date	<u>D.15-03</u> L of L			
2.	Plant Address	Oconee Nuc 7800 Roch	ester Hwy. Seneca; S.									
2a.	Unit		]2 🔲3 🗖 She	ured (specify Units		) 3a. W	ork Orde	r# <u>985838</u>	30-01			
	a. Unit       Image: Imag											
4.	Identification of System MAIN STEAM JILL Class 2											
	(a) Applica	ble Constructi	on Code <u>ANSE 63</u> Section XI Utilized for Repa	17 19/05 Edition. 1	<u>V/A</u> Ac	idenda, <u>N</u>	1992 A		_Code Cases			
6.	CCand	l their sup	ports.) ants Repaired of Replaced	· · · · ·	.)							
·		lumn 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	3NUBB 1-CIA- - JH-	ых он эјх 0-4036- 1519	GRINNELL	35756	NA	i'IA	2003	Repaired Replaced Replacement	· 🛛 No			
B			1997 - 19			•		Repaired     Replaced     Replacement	No Ves			
c		÷	- -					Repaired     Replaced     Replacement	No Ves			
D			·					Repaired     Replaced     Replaced	No Ves			
E				с 				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.

· ·			v		
7. Description of We	ork <u>REPAIR</u>	SNUBBER	2 ON SR 1-011	7-0-403C-J	14-1519
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating F	Pressure DOther	Exempt
	- Pressure	psig	Test Temp.	٦°	
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	-
9. Remarks/	<i>υ[Α</i>				
	(A)	oplicable Manufacti	urer's Data Records to be /	Attached)	
of the ASME Code, Type Code Symbol	Section XI. Stamp N/A		OF COMPLIANCE correct and this repair or		ns to the rules
Certificate of Autho	rization No. N/A	ill pa	•	Date N/A	
Signed XUUVI	Wher or Owne	h.U. (1/1-) 3() ir's Designee, Title	DEC. Date_OC	T.15,2003	
to <u>/o//(/o3</u> ; and taken corrective me Section XI. By signing this concerning the example	d, holding a valid of State or Providence have inspected d state that to the be easures described i ertificate, neither the minations and corre- nplover shall be lia	commission issued e of <u>Abern</u> i the components of best of my knowled in this Owner's Rep the inspector nor his ective measures de ble in any manner	NSERVICE INSPECT by the National Board of <u>Anacework</u> and employ described in this Owner's ge and belief, the Owner port in accordance with th s employer makes any wa escribed in this Owner's F for any personal injury or	Boiler and Pressure V red by <u>HSBCT</u> Report during the perf has performed examine e requirements of the mranty, expressed or in Report. Furthermore, m	nations and ASME Code, mplied, neither the

Date\_10/16/03

Commissions NCIAANTABL

Inspector's Signature

National Board, State, Providence and Endorsements

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

1a. Date 07-03-02 1. Owner Duke Power Company 526 S. Church Street, Charlotte, NC 28201-1006 Address Oconee Nuclear Station 2. Plant 7800 Rochester Hwy. Seneca, S.C. 29672 Address Shared (specify Units\_  $\mathbb{Z}_1$ 2a. Unit 3a. Work Order # 78 3. Work Performed By Duke Power Company Address 526 S. Church Street, Charlotte, NC 28201-1006 3b. NSM or MM # \_\_\_\_\_ Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A 4. Identification of System CORE FLOOD Class 19<u>98</u> Edition, <u>N/A</u> Addenda, \_ 5. (a) Applicable Construction Code <u>AWS D11</u> 19<u>78</u> Edition, <u>N/H</u> Addenda, <u>N/H</u> Code Cas (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and Code Cases CC and their supports.) 6. Identification of Components Repaired or Replaced and Replacement Components Column 8 Column 1 Column 2 Col. 6 Column 7 Column 3 Column 4 Column 5 National Repaired. ASME Code Manufacturer Other Year Name of Component Name of Manufacturer Replaced, or Stamped Board Serial Number **identification** Built Number Replacement (yes or no) - A Repaired 5/R1-53B-5-0-Ø No 2002 NA. Α Replaced 436 D-14-16 Replacement Yes Aal Z1150 Repaired No В Replaced Yes Replacement Repaired Π No Replaced Ċ Yes Replacement Repaired No D Replaced Π Yes Replacement Repaired No Ε Replaced Yes Replacement Repaired П No F Replaced Yes Replacement

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 Wo	rk <u>MAKE WEA</u>	DITOEX	15T. ON SIR 1-53B	-5-0-4360	)-H16					
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Press	_	Exempt					
	Pressure	psig	Test Temp.	°F						
	- Pressure	psig	Test Temp.	°F						
	Pressure	psig	Test Temp.	°F						
9. Remarks			·							
		- <u></u>								
		·								
	(Apj	plicable Manufactu	urer's Data Records to be Attac	hed)						
We certify that the of the ASME Code,	CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair or replacement conforms to the rules									
Type Code Symbol										
Certificate of Author	•	Λ	Expiration Dat	e N/A						
Signed	Owner or Owner	V QA 30	EC. Date: TULY							
	:			·						
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 <u>(crargia</u> and employed by <u>Ifsiger</u> have inspected the components described in this Owner's Report during the period <u>c/rg/oz</u> to <u>7/15/0 z</u> ; 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 Sig		ommissions_6	H360 NIC National Board, State, Provide	ence and Endors	ements					
Date_7-15-07										

( )

1.	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	3201-1006				1a. Date /	1802
2.	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca, S.	C. 29672				Sileet_	<u> </u>
2a.	Unit		] 2 🗌 3 🤚 🗋 Sha	red (specify Units	<u> </u>	) . 3a Wo	ork Order	r # <u>984325-</u>	2425
3.	Address 52	6 S. Church S	e Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/					Repair Organiz	tation Job #
4.	Identificatio	n of System_/	MAIN STEAM	Class2					
5.	(b) Applica	ble Constructi ble Edition of L their sup	on Code <u>AUS DI . 1</u> Section XI Utilized for Repa	19 <u>98</u> Edition, hirs or Replacements 1989,	No Addenda	idenda, (1992 through	9 1992 A	ddenda for Clas	_Code Cases s MC and
6.			ents Repaired or Replaced a	and Replacement Compone	ents		* _*		•••
l	Co	lumn 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	3/K 1- - 40(A	014-1-1-0 -H2	DPC	N/A	NA	NIA -	NA	Repaired     Replaced     Replaced     Replacement	Ø No □ Yes
в			4			Z15 07-15	02	Repaired     Replaced     Replacement	No Ves
c		· .						<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	☐ No ☐ Yes
D				· · · ·				<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes
E		•						Repaired     Replaced     Replacement	□ No □ Yes
F	,		:			-		Repaired     Replaced     Replacement	□ No □ Yes

Page 1 of 2

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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.

•	na an lu	0100		linin 11-	7	
7. Description of Wo	rk <u>MODIFY S/k</u>	<u>/_///</u>	-1-1-0-1	HOIH-H2		
8. Test Conducted:	Hydrostatic					Exempt
	Pressure	psig	Test	Temp	°F	
	Pressure	psig	Test	Temp	°F	
	Pressure	•	Test	Temp	°F	
9. Remarks		•				
	(Applicab	le Manufactur	er's Data Recor	rds to be Attached	)	
			OF COMPLI			
We certify that the	e statements made in the				ement confor	ns to the rules
of the ASME Code,		s report alo o				
Type Code Symbol	Stamp N/A					
Certificate of Authori	ization No. N/A	Λ	1	Expiration Date N	/A	
	Tillann Ch	ĺΩΔ.	INFC -	Expiration Date N ateAPR/L	18 2002	2
Signed	Owner or Owner's Des	signee, Title	par D	ate	1010000	
、						
			SERVICE IN	ISPECTION		
I. the undersigned	d, holding a valid commis				nd Pressure \	/essel
Inspectors and the S	State or Providence of	UIRGINI	<u>a</u> a	nd employed by ∠	H3B_CT	_ <u></u>
	have inspected the co					
	state that to the best of					
taken corrective mea	asures described in this (	Owner's Repo	ort in accordance	ce with the require	ements of the	ASME Code,
	rtificate, neither the Insp	ector nor his (	emplover make	es any warranty o	woressed or i	mnlied
	ninations and corrective r					
	ployer shall be liable in a					
· ·	connected with this inspe	•	• •		- <b>-</b>	-
Malla-6.1	Commis	ssionsA	558			

Inspector's Signature

Date 4-20-02

National Board, State, Providence and Endorsements

. . . . . .

( )

			•	-					
1.		uke Power 26 S. Chur	Company ch Street, Charlotte, NC 28	3201-1006				• •	15=20-02
2.			lear Station ester Hwy. Seneca, S	.C. 29672		•	•	Sheet _	/ of/_
2a.		•		ared (specify Units		, ·	:	adligadi	-201
3.	Address 526	S. Church	e Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/	01-1006			; ;•	r # <u>1849293</u> Repair Organiz M #NA	zation Job #
Δ	•••		REACTER COOLANT	· · · · · · · · · · · · · · · · · · ·			· .•		
	•		ion Code AUSI 331.	· · · ·	UIA N	idenda,N/	4		Code Cases
5.	(b) Applicable	Edition of	Section XI Utilized for Repa	airs or Replacements 1989,	, No Addenda	(1992 through	1992 A	ddenda for Clas	
6.		heir sup of Compon	ents Repaired or Replaced	and Replacement Compon	ents		•		e de la companya de l En companya de la comp
$\left[ \right]$	Colun	nn 1 👘	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Co	omponent	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	3NUBBER 1-50-0-479A	- ON SK - HZA	GRINNELL	18735	NA	NA	NA	□ Repaired ⊠ Replaced □ Replacement	⊠ No □ Yes
в	5HUBBEL ( 1-50-0-4791	N 3R 1-H2A	GRINNELL	35022	NA	NA	2002.	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	⊠ No □ Yes
c		-					•.•	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
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 Wor	* KEPLACE	SNYBBER	<u>ON 5/R 1-50-0</u>	414-1-124	<u></u>					
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating	Pressure Other	D Exempt					
	Pressure	psig	Test Temp.	°F						
	Pressure	psig	Test Temp.	°F						
	Pressure	psig	Test Temp.	°F						
9. Remarks										
- <u></u>		. <u> </u>								
	(A)	pplicable Manufact	urer'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 S	Stamp N/A									
Certificate of Authori Signed	WW and Ohl	DA 502 r's Designee, Title	C. Date A	n Date N/A <u>AU-21, 2002</u>	-					
L				Zam						
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 <u>6 xercenc</u> and employed by <u>1+5BC-7</u> have inspected the components described in this Owner's Report during the period <u>4-17-02</u> to <u>10-7-02</u> ; 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 makes any warranty or property damage or a loss of any kind arising from or connected with this inspection.										
Col. m		Commissions			)~					
Inspector's Sig			National Board, State, F	rovidence and Endors	ements					
Juio_//-/-0C										

	( `		- - -	C.	· ·			$\langle$				
		· · · ·	VNER'S REPORT FOR By The Provisions O				•					
1.	Owner Duke Powe Address 526 S. Chu	r Company ch Street, Charlotte, NC 24	8201-1006					1-24-03 L of L.				
	Plant Oconee Nuclear Station Address 7800 Rochester Hwy. Seneca; S.C. 29672											
	. Unit 🖾 1 🛛 2 🗔 3 🗍 Shared (specify Units) . Work Performed By Duke Power Company Repair Organization Job #											
	Type Code Symbol Stan	Street, Charlotte, NC 2821 np N/A Authorization No. N/	A Expiration Date N/A	۲ ۲	3b. (NS	Mor MM	1# <u>13107</u>	<b>7</b>				
	(a) Applicable Construc	LOW PREELKE SERVICE	XIM 1948 Edition, V/	1 <u>A</u> A	ddenda,//	9	<u> </u>	_Code Cases				
	(b) Applicable Edition of CC and their su	Section XI Utilized for Repa	airs or Replacements 1989,	No Addenda	(1992 through	1992 Ad	idenda for Clas	s MC and				
	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8				
	Column 1 Name of Component		Column 3 Manufacturer Serial Number	Column 4 National Board Number	Column 5 Other Identification	Col. 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)				
A	Name of Component		Manufacturer	National Board	Other	Year	Repaired, Replaced, or Replacement	ASME Code Stamped				
AB	Name of Component <i>SIR 1-148-</i> <i>439A-H57Le3</i>	Name of Manufacturer	Manufacturer	National Board Number	Other	Year Built	Repaired, Replaced, or Replacement Replaced Replaced	ASME Code Stamped (yes or no)				
	Name of Component <i>SIR 1-148-</i> <i>439A-H57Le3</i>	Name of Manufacturer	Manufacturer	National Board Number	Other	Year Built	Repaired, Replaced, or Replacement Replaced Replaced Replaced Replaced Replaced Replaced Replacement Replaced Replaced Replaced Replaced Replaced	ASME Code Stamped (yes or no) Yes No				
В	Name of Component 3/R 1- 148- 439A - H57le3	Name of Manufacturer	Manufacturer	National Board Number	Other	Year Built	Repaired, Replaced, or Replaceded, or Replaceded Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced	ASME Code Stamped (yes or no) Ves No Yes No No				
в	Name of Component 3/R 1- 14B- 439A - H57Le3	Name of Manufacturer	Manufacturer	National Board Number	Other	Year Built	Repaired, Replaced, or Replacement Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced	ASME Code Stamped (yes or no) Yes No Yes No Yes No Yes No				

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.

		5/0 1-14R-	439A-H5763		
7. Description of Wo	ork [NOTIFIC	<u>A 19710-</u>	r 119-110100		
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pressur	re D Other	Exempt
	Pressure	psig	Test Temp.	<b>ج•</b>	
	Pressure	psig	Test Temp.	•F	
	Pressure	psig	Test Temp.	°F	•
9. Remarks N/	A				
		•			
•	(Ap	olicable Manufactu	irer's Data Records to be Attache	d)	
We certify that th			OF COMPLIANCE correct and this repair or replace	cement conform	ns to the rules
of the ASME Code,					
Type Code Symbol	Stamp N/A				
•	-	Λ	Emission Date	A1/A	
Certificate of Author	ization No. N/A	1 ma a	Expiration Date		
Signed	What or Swing	's Designee, Title	EC. Date <u>NOV.24</u>	1.2005	
·					
I the understand			NSERVICE INSPECTION	and Proceura V	loccol

uqersigned, nokalna Inspectors and the State or Providence of Notth autime\_\_\_\_ and employed by \_\_\_\_\_ HSK have inspected the components described in this Owner's Report during the period 5/24/03

; and state that to the best of my knowledge and belief, the Owner has performed examinations and lo taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions\_ Inspector's Signature

NC.1169ABNE National Board, State, Providence and Endorsements

12/10/03 Date

. . .

•	Owner	Duke Dowo	Company					1a Data /	2-15-03
1.	Address	Duke Power 526 S. Churc	ch Street, Charlotte, NC 28	8201-1006	i ,		-1		
	Plant Address		lear Station ester Hwy. Seneca; S	.C. 29672					(
2a.	Unit ¦		]2 🔲 3 🔲 Sha			)	•	98/10-	7/1/0-1
3.	Work Perfo	med By Duke	Power Company		;	3a.	Work Orde	r # <u>984877</u> Repair Organi	zation Job #
	Address 52 Type Code	8 S. Church 8 Symbol Stam	Street, Charlotte, NC 2820 p N/A Authorization No. N/	01-1006 A Expiration Date N/A	N			A#N/A	
4.	Identificatio	n of System <u>/</u>	EEDVIATER FEMGRAGAL	TEENINTER Class	2		•	· . /	
			on Code <u>ANST B31.1</u> Section XI Utilized for Repe	1.		Addenda,/	IA	· · ·	_Code Cases
	CC and	theirisup	ports.)			da (1992 throu	gh 1992 Ad	ddenda for Clas	s MC and
6.	1		ents Repaired or Replaced a	r		· · · · · · · · · · · · · · · · · · ·			<u>:</u>
	Co	umn 1 🤤 🚉	Column 2	Column 3	Column		Col. 6	Column 7	Column 8
		Component	Name of Manufacturer	Manufacturer Serial Number	Nationa Board Numbe	Uner	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	-9K 1- 480A-	03A- H <u>3B</u>	DPC	NA	NA	NHA	2003	Repaired Replaced Replacement	· 🛛 No
в			•					Repaired     Replaced     Replacement	No Ves
c								Repaired     Replaced     Replacement	No Ves
D				1				Repaired     Replaced     Replacement	No Ves
ε		; ;						Repaired     Replaced     Replacement	No Ves
F		•• ••		•				Repaired     Replaced     Replaced     Replacement	No Ves

Page 1 of 2

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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.

	. MADIEC	1 51R 1-03	A-480A-H38	
7. Description of Wo		1-11-00	100H - 100	
8. Test Conducted:	Hydtosta	lic 🗋 Pneumatic	Nominal Operating Pressur	e Other Exempt
	Pressure	psig	Test Temp.	°F
	Pressure	psig	Test Temp.	°F
	Pressure _	psig	Test Temp.	°F
9. Remarks	IA			
		Applicable Manufactu	irer's Data Records to be Attache	d)
r				
We cortify that the	a ctatomonte mi		OF COMPLIANCE correct and this repair or replace	soment conforms to the rules
of the ASME Code,			where and this repair of replac	
Type Code Symbol s	Stamn N/A			
		Δ		
Certificate of Authori	zation No. N/A	· All man	Expiration Date	
Signed / /////	<u>) ////////////////////////////////////</u>	her's Designee, Title	2 Date_ <u>DEC 15</u>	2003
	÷ •			
	CE	RTIFICATE OF I	<b>NSERVICE INSPECTION</b>	
I, the undersigned	I, holding a valk	t commission issued	by the National Board of Boiler	and Pressure Vessel

Inspectors and the State or Providence of <u>NORTH CAROLINA</u> and employed by <u>MSB</u> <u>CT</u>

have inspected the components described in this Owner's Report during the period  $\angle -28 \cdot 03$  to  $\angle 2 \cdot \sqrt{5} \cdot 03$ ; 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 NC1444 NTARC

National Board, State, Providence and Endorsements

Date 12-15-03

	Owner - Duke Power Address 526 S. Chur	r Company ch Street, Charlotte, NC 24	<b>3201-1</b> 006		•		1a. Date /	,				
		lear Station ester Hwy. Seneca; S	.C. 29672									
2a.	a. Unit 🛛 1 🗍 2 🗍 3 🗍 Shared (specify Units) 3a. Work Order # <u>98538/93-36</u>											
	Image: Work Performed By Duke Power Company       3a. Work Order # <u>98538/93-36</u> Address 526 S. Church Street, Charlotte, NC 28201-1006       3a. Work Order # <u>13093</u> Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A       3b. NSM or MM # <u>13093</u>											
4.	Identification of System_	LOW PRESSURE INTECTI	ON Class	·	Lim		. •					
5.	(a) Applicable Construct	tion Code <u>ANST B31, 7</u> Section XI Utilized for Repe	19.68 Edition, -24	4 68 A	Idenda, <u>N/14</u>	2	Ilanda For Alas	_Code Cases				
	CC and their sug	ports.) ents Repaired or Replaced			(1992 through)	1992 A	ddenda for Glas	s mc and				
	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	<i>3/R   -53A-</i> 4 <i>78/</i> 4 - 6647	DPC	NA	NIA	rij/A	2003	Repaired Replaced Replacement	· 🗹 No 🗌 Yes				
В		•					Repaired     Replaced     Replacement	□ No □ Yes				
С							Repaired     Replaced     Replacement	No Ves				
Ď				,			Repaired     Replaced     Replacement	No Ves				
E	-				·.	:	Repaired     Replaced     Replaced	No Ves				
F			· · ·				Repaired     Replaced     Replacement	_ No Ves				

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 Wo	rk INSTALL	5/R 1-53A	-478A-6647		
8. Test Conducted:	Hydrostatic Pneumat		Nominal Operating Pressure	Other	E Exempt
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	•F	
9. Remarks	N/A				
·		· · · · ·	·····		
·	(Ap	plicable Manufactu	urer's Data Records to be Attached)		
We certify that the of the ASME Code, Type Code Symbol 3	Section XI.		OF COMPLIANCE correct and this repair or replaced	ment conform	ns to th <b>e rules</b> , ,
Certificate of Author	•	Λ	Expiration Date N/	A	
Signed	Mamohl	CA DEC r's Designee, Title	Date <u>NOV, 18, 5</u>	203	
	÷ *				
	I, holding a valid c	ommission issued	NSERVICE INSPECTION by the National Board of Boller an		'essel

have inspected the components described in this Owner's Report during the period  $\frac{7+5-a3}{b}$  to  $\frac{22-2a-a3}{c}$ ; 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.

Dato 12-10-03

Commissions\_NC\_1AAANIABC

Inspector's Signature

National Board, State, Providence and Endorsements

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	. C.							*	K
	!	7		NER'S REPORT FOR By The Provisions C					
1.	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	201-1006	· . :				1-10.03 L of L
2.	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca; S.	C. 29672	·	•		Sheet _	10
2a.	Unit		] 2 🔲 3 🖓 🛄 Sha	red (specify Units		) 3a. W	lork Orde	r # <u>98538/</u> Repair Organia	93-39
3.	Address 52	6 S. Church S	Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/			3b. N	- SMPOR MN	Repair Organiz	$\frac{3}{3}$
4.			an porcinor with	Trail of the	<u> </u>				
5.	(a) Applica (b) Applica	ble Constructi ble Edition of	on Code <u>ANST B 31</u> Section XI Utilized for Repa	19 18 Edition, Ins or Replacements 1989,	No Addenda	idenda, (1992 through	) 1992 A	ddenda for Clas	_Code Cases s MC and
		ruerr anb	ports.) ants Repaired or Replaced a				· · · ·		
	Col	umn 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	3/R 1-9 479A	53A - -PR1002	DPC	NA	NA	NIA	aico3	Repaired Replaced & Replacement	· D No
в			•			•		Repaired     Replaced     Replacement	No Ves
c								Repaired     Replaced     Replaced     Replacement	No Ves
D	;							Repaired     Replaced     Replaced     Replacement	No Ves
E	• • •		: · ·				1	Repaired     Replaced     Replaced     Replacement	□ No □ Yes
F		,						Repaired     Replaced     Replaced	No Yes
<u> </u>	1	·····		······································			- <b>.</b>		Page 1 of 2

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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 Wor	rk INSTALL	5/R 1-5-	34-4-79A-PR 100	12	
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Press	sure Other	Exempt
	Pressure	psig	Test Temp.	•F	
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	•
9. Remarks	NA				
	<i>.</i>		<del></del>		
·		·			
			unde Dele Decendo de las Altre		
	(Ap		urer's Data Records to be Attac	neay	·
			OF COMPLIANCE		
We certify that the of the ASME Code, \$		in the report are	correct and this repair or rep	lacement conform	ns to the rules
	00000000000	·			
Time Code Symbol (	Stomp NI/A				
Type Code Symbol S	·				
Type Code Symbol S Certificate of Authorit	·	1 on	Expiration Dat		
•	ization No. N/A	1 (DA 30)	DEC. Date NOV. /		
•.	ization No. N/A	/ ()A 3/ rs Designee, Title	DEC. Date NOV. /		
•	Dentron No. N/A	r's Designee, Title	DEC. Date NOV. /	<u>1203</u>	
Certificate of Authori Signed	CERT	r's Designee, Title	NSERVICE INSPECTION	1) <u>2(03</u>	 /accal
Certificate of Authori Signed XIII //	CERT	r's Designee, Title	DEC. Date NOV. /	1 Ber and Pressure V	'essel

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.

ctor's Signature

Commissions\_

NC 144 & NIABC National Board, State, Providence and Endorsements

Date\_12-10-03

1.	Owner Duke Power Address 526 S. Chur	Company ch Street, Charlotte, NC 28	201-1006					1-10-03 1_ of _	
2.		lear Station ester Hwy. Seneca; S.	C. 29672				•		
		***			) 3a. Wi 3b. NS	ork Orde	r # <u>98538/9</u> Repair Organiz M # <u>1309</u> 3	<u>93-34</u> zation Job #	
4.	Identification of System	LOW PRESSURE IN SEC	TION Class	10 18 0	form				
5.	<ul> <li>(a) Applicable Construction Code ANST 31.7 1968 Edition, AHA 68 Addenda, N/A Code Cases</li> <li>(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.)</li> </ul>								
6.	Identification of Compone	ents Repaired or Replaced a	and Replacement Compon	ents				y 2 . 4 <sup>3</sup>	
	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	SR 1-53A- 478A-6645	DPC	N/H	NA	N/4	2003	Repaired Replaced S Replacement	· 🕅 No 🗌 Yes	
в		4				•	Repaired     Replaced     Replacement	No Ves	
С						~	Repaired     Replaced     Replacement	No Ves	
D							Repaired     Replaced     Replacement	No Ves	
E						_	Repaired     Replaced     Replacement	No Ves	
F			•				<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ 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.

•			v		
7. Description of Wo	rk/NSTALL	SR 1-534	-478A-6645		
8. Test Conducted:	Hydrostat	ic 🗌 Pneumatic	Nominal Operating I	Pressure Other	Exempt
	Pressure _	psig	Test Temp.	°F	
	Pressure _	psig	Test Temp.	°F	
	Pressure _	psig	Test Temp.	°F	-
9. Remarks	NA				
·		Annilochia Manufach	urer's Data Records to be	Attached	
	(	Аррисаріе мапитаст	urer's Data Records to be	Allachedy	~
We certify that the of the ASME Code, Type Code Symbol :	Section XI.		E OF COMPLIANCE correct and this repair or	replacement confor	ms to the rules
Certificate of Author	•	1	Evaluation	n Date N/A	
Signed	Mamo	her's Designee, Title	SC. Date NO	1. 10, 2003	
	÷				
	CE	RTIFICATE OF I	NSERVICE INSPECT	TON	
Inspectors and the S	State or Provider have inspect state that to the	the components of best of my knowled	by the National Board of <u>escribed</u> and employ described in this Owner's lige and belief, the Owner port in accordance with the	red by <u>HSB</u> <u>CF</u> Report during the per has performed exami	iod <u>5-11-03</u> nations and
Decenter of the second					

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 NCIAA NIABL

National Board, State, Providence and Endorsements

Date 12-10-03

(

1.	Owner Address	Duke Power 528 S. Churc	Company h Street, Charlotte, NC 28	201-1006	•			1a. Date 🟒	<u>1-18-03</u> L of <u>1</u>
	Plant Address		lear Station ester Hwy. Seneca; S.						
2a.	Unit	Ø1 🗌	2 🔲 3 🗍 Sha	red (specify Units		) '. 30 Wo	de Ordes	. # 9840950	22-14-
3.	Address 52	8 S. Church 8	Power Company Street, Charlotte, NC 2820 N/A Authorization No. N/	N-1006 A Expiration Date N/A		3b. NS		r # <u>9860950</u> Repair Organiz A # <u>1309</u>	zation Job #
4.	Identificatio	n of System <u>//</u>	IGH DRESSULE INTE	TION Class_2		•			
5.	(a) Applica	ble Constructi	on Code <u>AUST 63/.</u> Section XI Utilized for Reparate	2_ 1968 Edition, 4	4 68 Ad	Idenda,//	7		_Code Cases
	00.410	- FUCTT . BOD	ports.)	,		(1992 through	1992 A	ddenda for Clas	s MC and
•	Col	umn 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)
À	3/R 1- 478A-		DPC	NIA	NA	NilA	2003	Repaired Replaced Replacement	· 🛛 No
в			1					Repaired     Replaced     Replacement	No Ves
С								Repaired     Replaced     Replaced     Replacement	No Ves
D			_					Repaired     Replaced     Replaced	No Ves
E								Repaired     Replaced     Replacement	No Ves
F		· ·.						Repaired     Replaced     Replaced	□ 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.

	MARE FUL				
7. Description of Wo	rk MODIFY S	<u>IK 1-5/-7/</u>	8H-74 W177		
8. Test Conducted:	Hydłostatic	Pnoumatic	Nominal Operating Pressure	Other	Exempt
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	•
9. Remarks7	IA				
·	(Ap	plicable Manufactu	irer's Data Records to be Attached)		
We certify that th of the ASME Code, Type Code Symbol Certificate of Author	Section XI. Stamp N/A		OF COMPLIANCE correct and this repair or replaced Expiration Date N/		ns to the rules
Signed		(A <u>Spec</u> 's Designee, Title	Date <u>NOV. 18, 6</u>	2003	
	~ ~				
I, the undersigned inspectors and the s to $\frac{12/10/03}{10}$ ; and	I, holding a valid or State or Providence	mmission issued of <u>North Care</u>	NSERVICE INSPECTION by the National Board of Boller an <u>line</u> and employed by <u>here</u> lescribed in this Owner's Report du	HSB (	T

kind arising from or connected with this inspection.

Commissions

Noney C! Inspector's Signature

NCII69 ABNI

National Board, State, Providence and Endorsements

Date 12/10/03

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required By The Provisions Of The ASME Code Section XI 1a. Date 11-19-03 1. Owner **Duke Power Company** 526 S. Church Street, Charlotte, NC 28201-1005 Address Sheet of 2. Plant Oconee Nuclear Station 7800 Rochester Hwy. Seneca; S.C. 29672 Address  $\boxtimes 1 \square 2 \square 3$ ' Shared (specify Units 2a. Unit 3a. Work Order # <u>98609522-16</u> Repair Organization Job # 3. Work Performed By Duke Power Company Address 526 S. Church Street, Charlotte, NC 28201-1006 3b. (NSM) or MM # \_ 13093 Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A 4. Identification of System LOW PRESSURE INJECTION Class ~ 5. (a) Applicable Construction Code <u>AUSI 631.7</u> 1968 Edition, <u>AVA</u> Addenda, <u>N/A</u> Code Cas (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and Code Cases CC and their supports.) 6. Identification of Components Repaired or Replaced and Replacement Components 11 Column 4 Column 7 Column 1 Column 2 Column 3 Column 5 CoL 6 Column 8 ASME Code Repaired, National Year Manufacturer Other Name of Manufacturer Replaced, or Name of Component Board Stamped Identification Built Serial Number Number Replacement (yes or no) 5/R 53A-0-Repaired R NA No NA NIA 2003 A Replaced 478A-H6A  $\Box$ Yes C Replacement Repaired No Replaced В Yes Replacement Repaired  $\Box$ No С Replaced Yes Replacement Repaired No D Replaced Yes C Replacement Repaired П No E Replaced  $\Box$ Yes Replacement Repaired П No □ Replaced □ Replacement F Π 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.

			1.		
7. Description of Wo	ntk MADIFY	51R 53A-0-	478A- HGA		
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating F	Pressure Other	Exempt
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	•F	•
			·		
9. Remarks	<u> </u>				
<del></del>		· · · ·			
				······································	
	(A)	pplicable Manufacti	irer's Data Records to be /	Attached)	$\sim$
Γ		CEDTIELOATE	OF COMPLIANCE		
We certify that th	no statements mad			replacement conforms to	the rules
of the ASME Code,		o in no report do	control and the repair of	replacement comonio it	
Time Code Combel					
Type Code Symbol	Stamp IVA				
Certificate of Author	ization No. N/A	11 .	Expiration	Date N/A	
Signed XMM	'III www.	V WA SOL	Z. Date NO	1.19.2003	
- Bridge Contraction	Owner or Owne	er's Designee, Title	Dulo_ <u>/_/</u>		
·····					/
	CER	TIFICATE OF I	NSERVICE INSPECT	10N	]
	d, holding a valid o	commission, issued	by the National Board of	Boller and Pressurg Vess	el
Inspectors and the			lina and employ		10/2/17
10/2/10/02				Report during the period _ has performed examination	
taken corrective me	asures described i	in this Owner's Rei	ge and beller, the Owner port in accordance with th	e requirements of the ASN	AE Code,
Section XI.					
By signing this co	rtificate, neither th	e inspector nor his	employer makes any wa	rranty, expressed or implie	od,
inspector por bie or	ninations and com	ecuve measures de ble le any manner	iscribed in this Owner's F for any personal follow or	eport. Furthermore, neither property damage or a los	er me s of any
kind arising from or	connected with thi	s inspection.	tor any personal inforty of	property canado or a los	

kind arising from or connected with this inspection.

Commissions

Noncy C. Kitchie Slaughter Inspector's Signature

Date 12/10/03

NEII69 ABNI National Board, State, Providence and Endorsements

		•			C .	į	_		C
		•		VNER'S REPORT FO				•	
1.	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	3201-1006			<u></u>	1a. Date /	1-10-03
2.	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca; S.	.C. 29672		· · ·		Slight _	<u> </u>
	Unit	<b>-</b>		ared (specify Units		) 3a. W	ork Orde	# <u>785381</u>	73-47
3.	Address 52	8 S. Church S	Power Company Street, Charlotte, NC 2820 N/A Authorization No. N/		4	3b. NS	- SM or MN	Repair Organi: A # <u>13093</u>	
4.	Identificatio	n of System <u> ⁄</u>	LIQUID WASTE DIS	Sposal class_2	2	Am	-		
5.	(a) Applica (b) Applica CC and	ble Construction ble Edition of S I their sup	on Code <u>ANSE 831.</u> Section XI Utilized for Reparts.)	1968 Edition, 4 airs or Replacements 198	Allenda	ddenda, <u>N/H</u> (1992 through	1992 A	ddenda for Clas	_Code Cases s MC and
6.	Identificatio	on of Compone	nts Repaired or Replaced a		onents	·····			
	<b>Co</b>	lumn 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	3/R 5 478A-	9-0- HRR	DPC	NA	N/A	ri/A	2003	Repaired Replaced Replacement	· 🛛 No
в			•	- -				Repaired     Replaced     Replacement	No Ves
c		• .	·					Repaired     Replaced     Replacement	No Ves
D			·					Repaired     Replaced     Replaced	No Ves
E						· ·	-	Repaired     Replaced     Replacement	No Ves
F								Repaired     Replaced     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.

		14
7. Description	n of Work MODIFY 5/R 59-0-4	478A-H22
8. Test Condu	ucted: Hydrostatic Pneumatic	Nominal Operating Pressure     Other     Exempt
	Pressurepsig	Test Temp °F
•	Pressurepsig	Test Temp °F
	Pressurepsig	Test Temp °F
9. Remarks	NA	
or mornand .		
•	•	
-		
•	(Applicable Manufactu	urer's Data Records to be Attached)
r		
		E OF COMPLIANCE
	Code, Section XI.	correct and this repair or replacement conforms to the rules
Type Code S	Symbol Stamp N/A	
Certificate of	Authorization No. N/A	Expiration Date N/A
Signed	UN MANCELL OA SPEC.	Date NOV. 11, 2003
- Sur Cela	Owner or Owner's Designee, Title	
		· · · · · · · · · · · · · · · · · · ·
	CERTIFICATE OF I	NSERVICE INSPECTION
I, the unde	ersigned, holding a valid commission issued	by the National Board of Boller and Pressure Vessel
inspectors ar	have inspected the components of have	described in this Owner's Report during the period <u>5/11/03</u>
to 12/10/03	and state that to the best of my knowled	ige and bellef, the Owner has performed examinations and
taken correct	live measures described in this Owner's Rep	port in accordance with the requirements of the ASME Code,
Section XI. By signing	this cartificate, patther the inspector por his	s employer makes any warranty, expressed or implied,
concerning th	ne examinations and corrective measures de	escribed in this Owner's Report. Furthermore, neither the
Inspector nor	r his employer shall be liable in any manner rom or connected with this inspection.	for any personal injury or property damage or a loss of any
A \	DIA (A II	
- UnerC	Retiker Saughter Commissions	NCIIGYIAN

Inspector's Signature

Date 12/10/03

National Board, State, Providence and Endorsements

	C ·	an a	and the second second	$\mathbf{C}$				C
		1	/NER'S REPORT FOR By The Provisions O				•	
	Owner Duke Power Address 526 S. Chur	r Company ch Street, Charlotte, NC 28	3201-1006	;			1a. Date Z	<u>1.903</u>
		ester Hwy. Seneca, S.	.C. 29672		· ·			
2a.		] 2 🗌 3 🔲 Sha	red (specify Units		) '' 39 W(	w Order	# 985929	17-67
3.	Work Performed By Duk Address 526 S. Church Type Code Symbol Stam	e Power Company Street, Charlotte, NC 2820 Ip N/A Authorization No. N/	N-1006 A Expiration Date N/A		•		r # <u>985929</u> Repair Organiz A # <u>1309</u> 3	
4.	Identification of System	LOW PRESSURE IN TECT	ON Class	<u>2</u>	fm	•		• •
	(b) Applicable Edition of CC and their sup		lins or Replacements 1989,	, No Addenda	idenda, <u>N/A</u> (1992 through	1992 A	idenda for Clas	_Code Cases s MC and
6.	Identification of Compone	ents Repaired or Replaced a	· · · · · · · · · · · · · · · · · · ·	ents				·
	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	3/R 53A-0- 478A-H3B	DPC	NIA	NA	NA	2003	Repaired Replaced Replacement	· 🛛 No
в		•					Repaired     Replaced     Replacement	No Ves
c					•		Repaired     Replaced     Replacement	No Ves
D							Repaired     Replaced     Replacement	No Ves

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Page 1 of 2	
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Repaired
 Replaced
 Replaced

Repaired
 Replaced
 Replaced

No

Yes

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.

			<i>L</i> -		
7. Description of Wor	rk MODIFY 3	IR 53A-0-	-478A-H3B		
8. Test Conducted:	Hydrostatic Pneumatic		Nominal Operating Pressu	ire 🗌 Other	Exempt
	Pressure	psig	Test Temp.	•F	
	Pressure	psig	Test Temp.	۰F	
	Pressure	psig	Test Temp.	•F	
9. Remarks	<u>//A</u>				
• •••••••	· 				
·					/
-	<b>(</b> Ap	plicable Manufactu	urer's Data Records to be Attach	ed)	$\checkmark$
We certify that the	e statements made		OF COMPLIANCE	cement confor	ns to the rules
of the ASME Code,		/ //	oonoo ana ano topan' et top		
Type Code Symbol S	Stamp N/A				,
Certificate of Ruthori	zation No. N/A	1	Expiration Date	N/A	
Signed X	Owner or Owne	A SPEC r's Designee, Title	Date_ <u>//0//</u>	<u>1,2003</u>	
	÷.	·····			
	CER	<b>FIFICATE OF II</b>	<b>NSERVICE INSPECTION</b>		
			by the National Board of Boile		
inspectors and the S	tate or Providence	the components c	lina and employed by lescribed in this Owner's Repo	t during the per	lod 11/4/03
to 12/10/03 ; and	state that to the b	est of my knowled	ge and bellef, the Owner has p	erformed exami	nations and
taken corrective mea	isures described in	this Owner's Rep	port in accordance with the requ	lirements of the	ASME Code,
		a tuana atao na abta			mattad

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.

Voney C Rutcher Slund In Commissions\_ Inspector's Skinature

12/10/03

Date\_\_\_

NCI/69AB NI National Board, State, Providence and Endorsements

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required By The Provisions Of The ASME Code Section XI 1a. Date 11-11-03 Duke Power Company 1. Owner 526 S. Church Street, Charlotte, NC 28201-1006 Address Sheet / of \_ 2. Plant Oconee Nuclear Station 7800 Rochester Hwy. Seneca; S.C. 29672 Address  $\square 2$ ' Shared (specify Units\_\_\_\_ 2a. Unit **区**1 3a. Work Order # <u>98538/93-35</u> Repair Organization Job # 3. Work Performed By Duke Power Company Address 528 S. Church Street, Charlotte, NC 28201-1008 3b NSM or MM # \_13093 Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A 4. Identification of System OW PRESSURE INDECTION 5. (a) Applicable Construction Code ANSI 31.7 1968 Edition, Alth 68 Addender (b) Applicable Edition of Section XI Utilized for Repairs of Boolean Edition, Alth 68 Addender Class Addenda. 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 8 Column 3 Column 4 Column 5 CoL 6 Column 7 ASME Code National Repaired. Year Manufacturer Other . Name of Manufacturer Name of Component Replaced, or Stamped Board Identification Serial Number Built Number Replacement (yes or no) 5K1-53A- Repaired R No i NIA A NA 2003 Replaced 478A-6646 Yes ND Replacement Repaired No В Replaced Yes Replacement Repaired No С Replaced Yes Replacement Repaired No D Replaced D Yes Replacement **Repaired** No E Replaced Yes Replacement D Repaired П No Replaced F Yes Replacement

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.

	Work INSTALL SK 1-53	1A-478A-10046
8. Test Conduct	ed: Hydrostatic Pneumatic	Nominal Operating Pressure     Other     Exempt
	Pressure psig	Test Temp °F
	Pressure psig	Test Temp °F
	Pressure psig	Test Temp °F
9. Remarks	<u>N/A</u>	
	(Applicable Herrideate	urer's Data Records to be Attached)
	(Applicable Manuacti	irer's Data Hecords to be Attached)
[	CERTIFICATE	OF COMPLIANCE
		correct and this repair or replacement conforms to the rules
of the ASME C	ode, Section XI.	•
Type Code Syn	nbol Stamp N/A	
Certificate of Au	uthorization No. N/A	Expiration Date N/A
Signed XI	UNT.MAAMAMUU (OA 5	DEC. Date NOV. 11, 2003
a.g. out of the	Owner or Owner's Designee, Title	
	CERTIFICATE OF II	NSERVICE INSPECTION
I, the unders Inspectors and	the State or Providence of North Coro	by the National Board of Boller and Pressure Vessel
to 12/9/03	have inspected the components of ; and state that to the best of my knowled	described in this Owner's Report during the period $\frac{37/102}{2}$ ge and belief, the Owner has performed examinations and port in accordance with the requirements of the ASME Code,
concerning the inspector nor hi	examinations and corrective measures de	s employer makes any warranty, expressed or implied, ascribed in this Owner's Report. Furthermore, neither the for any personal injury or property damage or a loss of any

nigChtehe Stayftu Inspector's Signature

Commissions NC1169ABNF

National Board, State, Providence and Endorsements

Date 12/9/03

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1,	Owner Address	Duke Power 526 S. Chur	Company ch Street, Charlotte, NC 28	201-1006	. <u></u>	_			<u>1-11-03</u> L of <u>1</u>
2.	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca; S.	C. 29672		•			<u></u> 01 <u></u>
	Address 52	rmed By Duk 8 S. Church	2 3 Sha Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/			) 3a. W 3b. Ns	ork Order	r # <u>98538/</u> Repair Organiz M # <u>1309</u> 3	9 <u>3-58</u> zation Job # 3
5.	(a) Applica (b) Applica CC and	ble Construct ble Edition of their sur	ion Code AUST 831.7 Section XI Utilized for Repa ports.) ants Repaired or Replaced a	19 <u>68</u> Edition, <u>-</u> Ins or Replacements 1989,	No Addenda	LIM Jdenda, <u>/</u> (1992 through	)/A 1992 A	ddenda for Clas	_Code Cases s MC and
$\left[ \right]$	Co	umn 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	3/R 1 478A-	53A-0- HbB	DPC	NA	N/A	NA	2003	Repaired     Replaced     Replaced     Replacement	· 🗹 No
в			•			•	•	Repaired     Replaced     Replacement	No Ves
c		_				•		Repaired     Replaced     Replaced     Replacement	No Ves
D								Repaired     Replaced     Replacement	No Ves
E				:				Repaired     Replaced     Replacement	No Ves
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.

			6			
7. Description of Wo	ork 1N577212.	5/R 1-53/	9-0-478A-K	168		
8. Test Conducted:	Hydłostatic	Pneumatic	Nominal Operating	Pressure	Other	() Exempt
	Pressure	psig	Test Temp.	·	°F	
	Pressure	psig	Test Temp.		°F	
	Pressure	psig	Test Temp.		°F	
9. Remarks	MA	<u>.                                    </u>				
		·				
	(Ap	plicable Manufactu	irer's Data Records to be	Attached)		~
We certify that th of the ASME Code, Type Code Symbol Certificate of Author	e statements made Section XI. Stamp N/A		OF COMPLIANCE correct and this repair of Expiration	r replacem n Date N/A		ns to the rules
	Ownocor Owned	s Designee, Title	•	0V.]], Z		
	÷-					
to <u>12/1/23</u> ; and taken corrective mea Section XI. By signing this ce concerning the exam	d, holding a valid or State or Providence have inspected I state that to the be asures described in entificate, neither the ninations and corre- polover shall be liab	ommission issued of <u>بعکر معکر</u> the components o est of my knowled this Owner's Rep o inspector nor his ctive measures de le in any manner	NSERVICE INSPEC by the National Board o and emploi lescribed in this Owner's ge and belief, the Owner cort in accordance with the employer makes any w escribed in this Owner's for any personal injury o	f Boller and yed by Report du has perfor he requirem arranty, exp Report. Fur	Hsect ring the perk med examin hents of the a pressed or in thermore, no	od <u>-5////u</u> nations and ASME Code, nplied, either the
KIIII	1/		NY CORIS			) I
Inspector's Ste	mature (	ommissions	National Board, State, F	rovidence a	and Endorse	ements
Date 12/9/03						Į

1.	Owner Address	Duke Power	r Company ch Street, Charlotte, NC 2	201-1006	<u> </u>	<u>,</u>			1-11-03
2.	Plant Address	Oconee Nuc		•		• • •		Sheet _	of
	Address 52	M 1 C med By Duk 5 S. Church		ured (specify Units				r # <u>98538/</u> Repair Organia M # <u>13093</u>	
5.	Identificatio (a) Applica (b) Applica CC and	ble Construct ble Edition of their sur	Ion Code <u>ANSE IN JECTI</u> Section XI Utilized for Repo	CM Class / 7 19/08 Edition, 4 Jurs or Replacements 1989				·	· **
	Co	lumn 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		53A-0- - H2A	DPC	NA	NA	N/A	2003	Repaired Replaced Replacement	· 🛃 No 🗌 Yes
в			•			•		Repaired     Replaced     Replacement	No Ves
c		•						Repaired     Replaced     Replacement	No Ves
D			• •				×	Repaired     Replaced     Replacement	No Ves
E								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes
F								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ 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.

. '			6			
7. Description of Wo	rk INSTALL	5/R 1-53A	-0-478A-H2	'A		
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operati	ng Pressure		Exempt
	Pressure	psig	Test Temp	)	°F	
	Pressure	psig	Test Temp	)	°F	
	Pressure	psig	Test Temp	)	°F	
9. Remarks	NA					
·	(A)	oplicable Manufacti	irer's Data Records to	be Attached)		
of the ASME Code, Type Code Symbol	Section XI. Stamp N/A		OF COMPLIANC	r or replacen		ns to the rules
Certificate of Author Signed	Mamat	r's Designee, Title	•	ution Date N/# VOV. //, 2	2003	
	-					
Inspectors and the S to <u>12/1/-3</u> ; and taken corrective mea Section XI. By signing this ce concerning the exam	d, holding a valid of State or Providenc have inspected state that to the b asures described in rtificate, neither the ninations and corre- ployer shall be lia	e Inspector nor his ective measures de ble in any manner	NSERVICE INSPE by the National Board and em described in this Owne ge and belief, the Ow port in accordance wit s employer makes any escribed in this Owne for any personal injur	d of Boiler and ployed by or's Report du ner has perfo- h the requirer warranty, ex 's Report. Fu	HSBCT med examin ments of the pressed or in rthermore, no	od <u>S/II/03</u> nations and ASME Code, nplied, either the
MAN	11			A .1 -	-	ſ

Inspector's Signature

12/1/93

Date

Commissions	NT	3099	A, 1, 1	

National Board, State, Providence and Endorsements

ړ

1a. Date 11-10-03 1. Owner Duke Power Company 526 S. Church Street, Charlotte, NC 28201-1006 Address Sheet / of / 2. Plant **Oconee Nuclear Station** Address 7800 Rochester Hwy. Seneca; S.C. 29672 2 3 Shared (specify Units\_ 2a. Unit X 1 Work Order # 185 38 3a. Repair Organization Job # 3. Work Performed By Duke Power Company Address 526 S. Church Street, Charlotte, NC 28201-1006 3b. (NSM )r MM # \_13093 Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A 4. Identification of System LOW DRESSURE INJECTION Class 68 LIM 5. (a) Applicable Construction Code ANST 1831.7\_ 1968 Edition, -N/19-Code Cases Áddenda. (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.) 5 6. Identification of Components Repaired or Replaced and Replacement Components 1.1 Column 1 Column 2 Column 3 Column 4 Column 5 CoL 6 Column 7 Column 8 ASME Code National Repaired. Manufacturer Other. Year Name of Manufacturer Replaced, or Name of Component Stamped Board Serial Number Identification Built Replacement Number (yes or no) □ Repaired □ Replaced - 53A-R No JA.C. NA へつろ NA V21000 П Yes NAT Replacement Repaired  $\square$ No В Replaced  $\square$ Yes Replacement Repaired No Ċ Replaced Yes Replacement Repaired No Replaced D Yes □ Replacement Repaired  $\Box$ No : Ē Replaced Yes Replacement Repaired No F Replaced П Yes Replacement

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. ۰.

	•					
7. Description	of Work	L 5/R 1-5	3A-479A-A	0R1000		
8. Test Condu			Nominal Opera		Other	Exempt
	Pressure _	psig	Test Terr	ıp	°F	
	Pressure _	psig	Test Terr	ф	°F	
	Pressure _	psig	Test Terr	ip	°F	
9. Remarks	NA					
· · · · · · · ·				· · · · · · · · · · · · · · · ·		
		•				
-						
	(	Applicable Manufactu	urer's Data Records to	be Attached)		~
[						
Wa cortifie	that the statements ma		OF COMPLIAN		ant conform	as to the rules
	Code, Section XI.	do in his report als	context and une repe	in of replacent		
Type Code S	Symbol Stamp N/A					
Certificate of	Authorization No. N/A		Expl	ration Date N/A	L	
Signed	IIIN WIIIAMAG,	IV OA LOG	Date_	KIOV IN A	4003	
	Owner or Own	ner's Designee, Title		<u>vor /0, v</u>		
	÷			•.		
	CE	RTIFICATE OF I	NSERVICE INSP	ECTION		]
I, the unde	ersigned, holding a valid	commission issued	by the National Boa	rd of Boller and	Pressure_V	essel
Inspectors ar	nd the State or Provider					od lalslag
10 12/9/03	nave inspect	best of my knowled	lescribed in this Owr ge and belief, the Ov	vner has perfor	med examir	nations and
taken' correct Section XI.	ive measures described	I in this Owner's Rep	port in accordance w	ith the requirem	nents of the	ASME Code,
By signing	this certificate, neither	the Inspector nor his	employer makes an	y warranty, exp	pressed or in	nplied,
Inspector nor	e examinations and con his employer shall be li	rective measures de lable in any manner	iscribed in this Owne for any personal iniu	rs Heport, Fur	thermore, n lamage or a	loss of any
kind arising fi	rom or connected with the	his inspection.		Freheid e		
All	10/1		_	. —		, I
Karl	401	Commissions	NY 5094	A, N, I		

Inspector's Signature

/*/	3074	<i></i> ,	/·)	
		01-1-1	Devidence end	-

National Board, State, Providence and Endorsements

Date 12/9/13

	<b>(</b> ,,	FORM NIS-2 OV	iner's	REPORT FO	R REPAIRS	OR REPLACEME	INTS		(
	÷					E Code Section )			
1.		r Company rch Street, Charlotte, NC 2	201-1006	<b>3</b>		· · · · ·		•	14103
2.		clear Station hester Hwy. Seneca; S		72		•		Sneet _	of
28.	Unit 🖾 1 [	]2 []3 <sup>1</sup> [] Sha	ured (spec	ify Units		.) _'		905301	97.59
3.		ke Power Company Street, Charlotte, NC 282 np N/A Authorization No. N		ion Date N/A	· .	3a. Wo 3b NS	SM or MN	# <u>985381</u> Repair Organi: A # <u>1309</u>	zation Job #
4.	Identification of System	LOW RRESULE INJECTI	ON	Class_/		lini			
5.	(-) · +	tion Code <u>AUST B31.7</u> f Section XI Utilized for Repu	19_ lins or Rej	68 Edition placements 1989	A No Addenda	ddenda, <u>N/A</u> (1992 through	1992 Ad	idenda for Clas	_Code Cases s MC and
6.	CC and their su Identification of Compor	pports.) hents Repaired or Replaced	and Repla	cement Compor	ients	,	2000 1927 1979		5
	Column 1	Column 2	2 1	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Manufacturer		nufacturer ial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	3/R 53A-0- 478A-GPD-2701	DPC		NA	NA	NA	2003	Repaired Replaced	· 🖾 No 🗌 Yes
в		•		· · · ·			•	Repaired     Replaced     Replacement	No Ves
c								Repaired     Replaced     Replacement	No Ves
D				· · · ·				<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes
E				<i>,</i>			-	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.

· ·					v			
7. Description of Wo	ork INSTR	<u>i// -</u>	K 53A-0	-478A-	GPD-,	2701		
8. Test Conducted:	d: 🗌 Hydłostatic 🔲 Pneumatic			Nominal Operating Pressure     Oth			Other	Exempt
	Pressure		psig	Т	est Temp.		°F	
	Pressure		psig	Т	est Temp.	<u> </u>	°F	
	Pressure		psig	Т	est Temp.		°F	
0. Domodro	NA							
9. Remarks								
•						· · · · · · · · · ·	,,,	
	······································		cable Manufacti	irer's Data Re	cords to be	Attached)		
		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Allaoneuy		~
		C	ERTIFICATE	OF COMP	LIANCE			
We certify that th	e statements	made ir	the report are	correct and th	nis repair o	r replacen	nent conform	ns to the rules
of the ASME Code,	Section XI.				•	•		•
Type Code Symbol	Stamp N/A							
	·		٨		<b>-</b>			
Certificate of Author	nzation No.		0.0			n Date N/A		
Signed Xall	WU CONIC	JU!	VH SDE	<u></u>	Date M	<u>N. 11, ở</u>	003	
· · · ·	Owner or t	wher's	Designee, Title		•			······
	÷							
	(	ERTI	ICATE OF	VSERVICE	INSPEC	TION		
I, the undersigne	d, holding a v	alid con	mission issued	by the Nation	nal Board o	Boiler and	Pressure V	essel
Inspectors and the	State or Provi	dence o	1 NEW TIAN	<u> </u>	and emplo	yed by	HSBCT	A Fluida
to 12/9/03 ; and	have inspected in the second s	the best	e components o	lescribed in tr	NS OWNER'S	Heport du	ring the perk	$\frac{3}{1}$
taken corrective me	asures descri	bed in t	his Owner's Rei	ye and beller,	ance with the	nas penoi na reculter	neu examination	ASME Code.
Section XI.								
By signing this co	ortificato, noith	er the I	nspector nor his	employer ma	akes any w	arranty, exp	pressed or In	nplied,
concerning the exar	ninations and	correcti	ve measures de	scribed in thi	s Owner's l	Report. Fui	thermore, ne	either the
Inspector nor his en kind arising from or	nployer shall t	o liable	In any manner	for any perso	nal Injury o	r property o	lamage or a	loss of any
mond town of	connected wi	in this th	ispection.					

Inspector's Signature

NY 5094 A, N, I Commissions\_

National Board, State, Providence and Endorsements

Date 9/03

1.	Owner Address	Duke Power 526 S. Chur	Company ch Street, Charlotte, NC 28	3201-1006	•				<u>1-10-03</u>
2.	Plant Address	Ocones Nuc 7800 Roch	lear Station ester Hwy. Seneca; S.	sc. 29672		· , · 			
2a.	Unit	X1 C	] 2 🗌 3 '' 🛄 Sha	ured (specify Units		)	.d. Oada	985927 # <u>985381</u>	93-42
3.	Address 52	8 S. Church	e Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/	N-1006 A Expiration Date N/A	· .	· ·	•	Repair Organiz M # <u>13095</u>	zation Job #
4.	Identificatio	n of System <u>⊀</u>	LOW PRESSURE INJE	TION Class_/		Lam			. •• * • •
5.	(a) Applica	ble Construct	ion Code <u>ANST 831.</u> Section XI Utilized for Repa	7 1968 Edition, 1	4-68 Ac	idenda,//	2'	· · · ·	_Code Cases
	CC and	their sup	ports.)			(1992 through	1992 A	ddenda for Clas	s MC and
6,		•••••	ents Repaired or Replaced a			24 			
	Co	umn 1 5 (5	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	3/R 1- 479A-	53A- PK 1005	DPC	NA	NA	NA	2003	Repaired Replaced & Replacement	· 🗗 No 🗌 Yes
в		• .	•			•	:	Repaired     Replaced     Replacement	No Ves
c		-						Repaired     Replaced     Replaced	No Ves
D								Repaired     Replaced     Replaced	No Ves
E							-	Repaired     Replaced     Replacement	□ No □ Yes
F								Repaired     Replaced     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.

•			ŀ		
7. Description of Wo	rk INSTALL	. 5/R 1-53	A-479A-PR100	5	
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pres	sure Other	Exempt
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	•F	
	Pressure	psig	Test Temp.	٩°	·
9. Remarks/	V/A				
		•			
		nilaabia Manufaab			
	(Ар		urer's Data Records to be Attac	nea)	$\sim$
of the ASME Code,	Section XI.		OF COMPLIANCE correct and this repair or rep	lacement confor	ns to the rules
Type Code Symbol s	•				
Certificate of Authori	zation No. N/A	lan	Expiration Da		
Signed Xall	Owner or Owner	rs Designee, Title	C. Date <u>NOV.</u>	0,2003	
	<del></del>				
	CERT	IFICATE OF I	NSERVICE INSPECTION	1	
inspectors and the S to $12/9/03$ ; and	itate or Providence have inspected state that to the be	of <u>Nettleach</u> the components of est of my knowled	by the National Board of Boll and employed I described in this Owner's Rep ge and belief, the Owner has port in accordance with the re-	by <u>HSBC7</u> ort during the per performed exami	iod <u>5/11/03</u> nations and
<b>D</b>					

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.

Noney Ky Stught Inspector's Signature

Commissions NC 1169,4B NF National Board, State, Providence and Endorsements

Date_	12/9/03

 $\left( \right)$ 

	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	8201-1006	· · ·				2-02-03 L of L
	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca; S	.C. 29672			٠	0,000 -	
				ared (specify Units		) 3a. W	ork Orde	r # <u>9853819</u> Repair Organiz	13.41
3.	Address 52	8 S. Church S	Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/	01-1006 A Expiration Date N/A	:	3b. N	SM or MM	Hepair Organi A # <u>1309</u>	
4.	Identificatio	n of System	OW PRESSURE IN JES	TION Class_/	68	Lem NIA		-	• •
5.	(a) Applica (b) Applica	ble Construction of	on Code <u>ANST 831.</u> Section XI Utilized for Repe	19_68 Edition, airs or Replacements 1989	No Addenda	idenda, <u>48</u> (1992 through	1992 A	ddenda for Clas	_Code Cases s MC and
	CC.and	their sup	ports.) Ints Repaired or Replaced (			· ·	•		
	Col	umn 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	5/R 1- 479A-	53A PK1004	DPC	NA	NA	WA	2023	Repaired     Replaced     Seplacement	· 🛛 No
в		• ••	•			•		Repaired     Replaced     Replacement	No Ves
c			· ·					Repaired     Replaced     Replacement	No Ves
D								Repaired     Replaced     Replacement	No Ves
E			;				:	Repaired     Replaced     Replaced	No Ves
F	-		1				, ,	Repaired     Replaced     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.

•			l.		
7. Description of Wo	rk INSTALL	SK 1-53	3A-479A-FR1004	4	
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pressure	Other	Exempt
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
	Pressure	pslg	Test Temp.	°F	•
9. Remarks	1/4				
	, 				
·		•			
·					`~`.
	(Ap)		irer's Data Records to be Attached)		
		CERTIFICATE	OF COMPLIANCE		
We certify that the of the ASME Code,		in the report are	correct and this repair or replacer	nent conform	ns to the rules
Type Code Symbol S	Stamp N/A				
Certificate of Authori	•	Л	Expiration Date N/	<b>1</b>	
Jourt	Mannal	M On ~	Date DEC. 2	DINZ	
Signed_ <u>X{////</u>	<u>Qwner or Owner</u>	's Designee, Title	Date / Charge	AUC	
l				·	
	CERT	IFICATE OF I	SERVICE INSPECTION		
			by the National Board of Boller and		essel
inspectors and the S	tate or Providence have inspected	ot <u>Nouk ( // /</u>	escribed in this Owner's Report du	<u>// )/&gt;/ /</u>	od 5/11/03
10					-None and

to \_\_\_\_\_; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions\_\_\_

Inspector's Signature

NEIIGABNI

National Board, State, Providence and Endorsements

Date 12/9/03

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS Building Attrict LOUP Ands Andler M . . . . . . .

В

С

D

			- <b>As</b>	Required	By The Provisions	of the ASM	e code section	I XI		
1.	Owner Address	Duke Power 526 S. Chur	· Company ch Street, Charl	lotte, NC 28	201-1006				1a. Date <u>/</u>	12-02-03
2.	Plant Address		lear Station ester Hwy. S	eneca; S.	C. 29672		•		Sueer_	<u> </u>
2a.	Unit		]2 🔲 3		red (specify Units		.)	Nork Ordo	. # 98538	193-40
3.	Address 5	28 S. Church	e Power Compa Street, Charlott p N/A Authoriza	e, NC 2820	n <b>-1006</b> A Expiration Date N/A		3b. 1	NSM or MI	r # <u>98538</u> Repair Organi M # <u>13093</u>	zation Job #
4.	Identificati	on of System_	LOW PRESSU	RE INTE	CTION Class_	<u>  .</u>	Sim .		• •	·
	CC an	d cheir sug	ports.)	ed for Hepa	Class / 2 19 68 Edition, Ins or Replacements 198 and Replacement Compo	59, NO Addenda	ddenda, <u>168</u> (1992 through	n 1992 A	ddenda for Clas	_Code Cases
	C	olumn 1	Column	12	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name o	Component	Name of Man	ufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	S/R/	-53A DR1003	DPC	-	NA	NA	KU/A	2003	Repaired Replaced	· D No

4. 5.	<ul> <li>Type Code Symbol Stamp</li> <li>Identification of System</li></ul>	Street, Charlotte, NC 2820 p N/A Authorization No. N/ LOW RESSURE INTE on Code ANST 831. Section XI Utilized for Repa	A Expiration Date N/A <u>ECTION</u> Class / 7 19 68 Edition, Ins or Replacements 1989,	· . ·	3b. N	- ISM or MM	# <u>I</u> Bepair Organiz # <u>I</u> BO93	zation Job #
	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	5/R 1-53A 479A-PR1003	DPC	NJA	NA	KV/A	2003	Repaired     Replaced     Replaced     Replacement	· 🗹 No
B					•		Repaired     Replaced     Replacement	No No Yes
С				-			Repaired     Replaced     Replacement	No Ves
D	;						Repaired     Replaced     Replaced     Replacement	□ No □ Yes
E					•		Repaired     Replaced     Replaced     Replacement	No Ves
F			•				Repaired     Replaced     Replaced	□ No □ Yes
			•					Page 1 of 2

rage 1 of 2

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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.

	1	, (101-	in lines on	003	
7. Description of Wo	rk <u>INJIAL</u>	<u>L YK 1-53</u>	A-479A-PR1	005	
8. Test Conducted:	Hydrostati	c D Pneumatic	Nominal Operating P	ressure Other	Exempt
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	•
9. Remarks/	IA.				
·		·			
	4)	Applicable Manufacti	urer's Data Records to be A	ttached)	
We certify that th of the ASME Code,			OF COMPLIANCE correct and this repair or	replacement confor	ms to the rules
Type Code Symbol	Stamp N/A				
Certificate of Author	ization No. N/A	a //	Expiration	Date N/A	
Signed Xamil I	Owner of Own	er's Designee, Title	<u>E.</u> Date <u>DE</u>	2,2003	
Inspectors and the S	d, holding a valid State or Providen	commission issued	NSERVICE INSPECT by the National Board of I unce and employ described in this Owner's I	Boller and Pressure V ed byHSB CT	

to 12/9/03 and state that to the best of my knowledge and bellef, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions Inspector's Skinature

12/1/2

Date

NC1169 AKNI National Board, State, Providence and Endorsements

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1.	Owner Address	Duke Power 528 S. Churc	Company ch Street, Charlotte, NC 28	201-10	06		• • •		1a. Date <u>/</u> Sheet	<u>1-24-03</u> Lot <u>L</u>
	Plant Address	Oconee Nuc 7800 Roche	lear Station ester Hwy. Seneca; S.	C. 29	672		· · ·			
2a.	Unit	<b>図1</b>	]2 □3 □Sha	red (sp	ecify Units	· ·	) 3a, W	ork Orde	# <u>985057</u> Repair Organiz	41-17
3.	Address 52	8 S. Church S	Power Company Street, Charlotte, NC 2820 DN/A Authorization No. N/				3b( N	SMOr MM	Repair Organiz 1 # <u>1310 '</u>	zation Job #
4. E	(a) Applicable Construction Code ANSE B31, 1948 Edition, 1/A Addenda, 1992 Addenda for Class MC and									
	CC. and	l their sup	Section XI Utilized for Repa ports.)	ł.		_ • •	(1992 through	1992 A	idenda for Clas	s MC and
$\square$	Co	lumn 1	Column 2	9 . 4 1 . 1	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
- -	Name of	Component	Name of Manufacturer		lanufacturer erial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	3/R 1-	148 - 1-H5764	DPC		NA	NA	NYA	2003	Repaired Replaced Replacement	· Br No
в							•		Repaired     Replaced     Replacement	No Ves
c				•					Repaired     Replaced     Replacement	No Ves
D						:			Repaired     Replaced     Replacement	No Ves
E					· .			-	Repaired     Replaced     Replacement	No Ves
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.

· ·			v		
7. Description of W	ork INSTALL	5/R 1-14B	2-439A-H5744		
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pro	essure Other	X Exempt
	Pressure	psig	Test Temp	۹° ا	
	Pressure	psig	Test Temp.	•F	
	Pressure	psig	Test Temp.	°F	•
9. Remarks	N/A				
	(A	pplicable Manufacto	irer's Data Records to be Att	tached)	
We certify that the of the ASME Code, Type Code Symbol Certificate of Author Signed	Section XI. Stamp N/A rization No. N/A	te in the report are	E OF COMPLIANCE correct and this repair or n Expiration I EC, Date <u>NOV.c</u>		ns to the rules
	÷.			<u></u>	
Inspectors and the to $\frac{2}{10/03}$ ; and taken corrective me Section XI. By signing this concerning the example	d, holding a valid State or Providence have inspected state that to the lasures described ertificate, neither the minations and com no lover shall be lia	commission issued be of <u>AlettA( 41.</u> d the components of best of my knowled in this Owner's Rep the inspector nor his rective measures de able in any manner	NSERVICE INSPECTION by the National Board of But and employed lescribed in this Owner's Re- ge and belief, the Owner's Re- ge and belief, the Owner's Re- sort in accordance with the semployer makes any warm bescribed in this Owner's Re- for any personal injury or per-	oiler and Pressure V d by <u><u>HSB</u>C</u> eport during the per- as performed examin requirements of the anty, expressed or in port, Furthermore, n	od <u>3/26/6.7</u> nations and ASME Code, nplied, either the

Nonen Stauptu Inspector's Signature

Commissions.

WCI169 ANSNI

National Board, State, Providence and Endorsements

Date 12/10/03

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1.	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 2	3201-1006				1a. Date 🏒	. /		
2.	Plant Address		lear Station ester Hwy. Seneca; S	.C. 29672		• • • • • • • • • • • • • • • • • • •		Sheet _	/ of _/		
2a.	Unit		]2 🔲 3 🗌 She	red (specify Units	· .	)			3-131		
з.	2a. Unit [2] [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 3b. NSM or MM #										
,	•			_	<i></i>		- ,·	• •			
4.			on Code <u>ANSI B31.</u> Section XI Utilized for Repe		49-68	XIIIG	2	·			
5.	(a) Applica (b) Applica	ble Edition of	Section XI Utilized for Repa	1900 Edition, 70	No Addenda	(1992 through	1992 A	ddenda for Clas	_Code Cases s MC and		
	CC.and	i cheir sup	ports.) ents Repaired or Replaced (			 	 				
	Co	lumn 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	3/R 1-5 478A	53A- - (do42	DPC	NA	NIA	NIA	3003	Repaired Replaced Replacement	· 🛛 No		
в			•	· · · ·				Repaired     Replaced     Replacement	No Ves		
c			t .			•		Repaired     Replaced     Replacement	□ No □ Yes		
D								Repaired     Replaced     Replacement	No Ves		
E			-					Repaired     Replaced     Replacement	□ No □ Yes		
F				· · · · · · · · · · · · · · · · · · ·				<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes		
·			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					<u></u>	Page 1 of 2		

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 Wor	* INSTALL	<u> 1. 1-531</u>	1-478A-6642				
8. Test Conducted:	Hydłostatic		Nominal Operating Pressur	e Other	2 Exempt		
	- Pressure	psig	Test Temp.	•F			
	Pressure	psig	Test Temp.	°F			
	Pressure	psig	Test Temp.	°F	•		
9. Remarks//-	7						
·		······					
	(Ap	plicable Manufactu	urer's Data Records to be Attache	d)	<u>}</u>		
of the ASMÉ Code, S	e statements made Section XI.		OF COMPLIANCE correct and this repair or replace	ement conform	ns to the rules ,		
Type Code Symbol S	Stamp N/A						
Certificate of Authon: Signed	Mamgil	A CA Sparse Title	Expiration Date				
	€- -2						
<b>CERTIFICATE OF INSERVICE INSPECTION</b> I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Providence of <u>Noerral Caedual</u> and employed by <u>HSB</u> <u>CT</u> have inspected the components described in this Owner's Report during the period <u>S-2-03</u> to <u>J2-10-03</u> ; 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 Sign	Ca	ommissions	C1444 National Board, State, Providen	ce and Endorse	oments		
Date 12-11-123			• • • • • • • • • • • • • • • • • • • •				

		L.								$\langle$	
					'S REPORT FOR The Provisions O				•		
	Owner Address	Duke Power 526 S. Churc	Company th Street, Charlotte, NC 26	3201-1	006	· · ·			1a. Date 🖊	<u>  -18-03</u>  _ o1 _	
	Plant Address	Oconee Nucl 7800 Roche	lear Station ester Hwy. Seneca; S	.c. 2	9672				511001		
	Address 52	8 S. Church S	Power Company Street, Charlotte, NC 2820	01-100	pecify Units		•		# <u>98538/</u> Repair Organiz # 1309	<u>93-33</u> zation Job # 3	
4.	Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A     3b. NSM or MM #       Identification of System Low PRESSURE INJECTION     Class     2										
		, cuerr anb	on Code <u>24002 OOH</u> Section XI Utilized for Repa ports.)			1. C.	(1992 through	1992 A	idenda for Clas	_Code Cases s HC and	
	Co	lumn 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		534- 1-6644	DPC		NA	NA	NIA	2003	Repaired Replaced & Replacement	· 🖾 No 🗌 Yes	
в		· · · · · ·		- -	•		•		Repaired     Replaced     Replacement	No Ves	
С				<i>.</i>			•		Repaired     Replaced     Replacement	No Ves	
D					-				Repaired     Replaced     Replacement	No Ves	
E									Repaired     Replaced     Replacement	No Ves	
F	•	- · ·	···		····				Repaired     Replaced     Replacement	□ No □ Yes	

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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.

					1.			
7. Description	of Work 1N57A	11 5/	R 1-53	4-4781	7-66444	۷		
8. Test Condu	cted: 🗌 Hydro	static 🛛	Pneumatic		al Operating	Pressure	Other	Exempt
	Pressure		psig		Test Temp.		°F	
	Pressure		psig		Test Temp.		°F	
	Pressure	<u></u>	psig		Test Temp.		°F	•
9. Remarks	N/A							
	······································		•					
-								
		(Applicat	ble Manufacti	urer's Data R	ecords to be	Attached)		Ŭ
Type Code Sy	Code, Section XI. ymbol Stamp N/A Authorization No. <u>WM (1)</u> QwRer or 	Mill	<i>QA 3<u>D</u></i> ssignee, Title	£C.	Expiratio _ Date_ <u>_//</u>	n Date N/ <u>01.  8                                   </u>	203	
		CERTIFIC	CATE OF I	NSERVIC	E INSPEC	ΠΟΝ		
I, the under	rsigned, holding a v	ralid commi	ssion issued	by the Natio	onal Board of	Boller and	I Pressure V	essel
	d the State or Prov have insp							001 <u>5-15-03</u>
to <u>12-10-03</u> taken correctin Section XI.	_; and state that to ve measures descr	the best of	my knowled	ige and belie	f, the Owner	r has perio	rmed examir	nations and
By signing	this certificate, neit	her the Insp	bector nor his	s employer n	nakes any w	arranty, ex	pressed or in	nplied.
inspector nor	e examinations and his employer shall om or connected wi	be liable in	any manner	for any pers	onal Injury o	r property	damage or a	loss of any
	- /	·						Ĩ

Inspector's Signature

Commissions\_NCIAANTABC

National Board, State, Providence and Endorsements

Date 12-11-03

1

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1.	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	8201-1006					<u>1-10-03</u>		
2.	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca, S	.C. 29672		•		Sneet _	/01		
2a.	Unit	<b>风1</b> 二	] 2 🛄 3 🦉 Sha	ared (specify Units		)			97-78		
3.	Address 52	Unit       Image: State of Company         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 # <u>78538193-38</u> Repair Organization Job * 3b. NSM or MM # <u>13093</u>									
4.	Identificatio	n of System	CORE FLOOD	Class/		Pinn					
5.	(a) Applica	ble Constructi	on Code ANSI 831	7 19 <u>68</u> Edition, <u>A4</u>	4 60 A	idenda, <u>N/A</u>			_Code Cases		
6.	CC and	their sup	ports.)	airs or Replacements 1989, and Replacement Compone		(1992 through	1992 A	ddenda for Clas	s MG and		
	<u> </u>	lumn 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 AlReplacement	ASME Code Stamped (yes or no)		
A	3/R 1- - 4791	53A- A-PR 1001	DPC	NA	NA	AJCA	2003	Replaced Replaced Replaced	· 🕅 No		
В			•					Repaired     Replaced     Replacement	No Ves		
c							•	Repaired     Replaced     Replacement	No Ves		
D							-	Repaired     Replaced     Replacement	No Yes		
E								Repaired     Replaced     Replacement	No Ves		
F	:					· · ·		<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ 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.

•		6-	,
7. Description of W	ork INSTALL SIR 1-9	<u>53A-479A- PR 100</u>	/
8. Test Conducted:	Hydrostatic Pneumatic	Nominal Operating Pressure	Other Exempt
9. Remarks	Pressure psig Pressure psig Pressure psig <i>N/A</i>	Test Temp.          Test Temp.          Test Temp.	•F
·	(Applicable Manufact	urer's Data Records to be Attached)	
We certify that the of the ASME Code, Type Code Symbol	he statements made in the report are, Section XI.	E OF COMPLIANCE correct and this repair or replacem	nent conforms to the rules
Certificate of Autho	rization N/A	Expiration Date N/A	
Signed XOUM	Owner or Owner's Designee, Title	5056. Date NOV. 10, 6	2003
	÷.		
	CERTIFICATE OF I	NSERVICE INSPECTION	

I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Providence of NORTH CAROLINA and employed by MSB CT have inspected the components described in this Owner's Report during the period 5-11-03 10 12 10 -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\_NC/AAANIABC

National Board, State, Providence and Endorsements

Date 12-11-03

1.	Owner Address	Duke Power 526 S. Churc	Company h Street, Charlotte, NC 28	; 3 <b>201-1</b> 006	•		·	1a. Date 🖉	2-08-03
2.	Plant Address	Oconee Nucl 7800 Roche	ear Station Aster Hwy. Seneca; S.	.C. 29672			•		<u>.                                    </u>
	-		2 3 Sha	red (specify Units		) 3a. W	lork Order	# <u>985830</u> Repair Organiz	02-55
	Address 52 Type Code	8 S. Church S Symbol Stamp	Street, Charlotte, NC 2820 N/A Authorization No. N/	A Expiration Date N/A		3b. N	SM or MN	1# <u>N/A</u>	
4,	Identification	n of System A	PEACTOR COOLAI	<u> </u>				·	
5.	(a) Applical	ble Construction	on Code ANST 1831		<u>)/A</u> A	denda,	<u>}</u>		_Code Cases
	(b) Applical CC and	ble Edition of their sup	Section XI Utilized for Repa	lins or Replacements 1989,	No Addenda	(1992 through	1992 Ad	idenda for Clas	s MC and
6.	Identification	n of Compone	nts Repaired or Replaced a	and Replacement Compone	ents	·		••••••	· · · · · · · · · · · · · · · · · · ·
	- Col	umn 1	Column 2	Column 3	Column 4	Column 5	Col. 5	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	5/R 1-50 100A-RC	р-0- .рм-57	DPC	NIA	NA	ŇĮA	2003	Repaired Replaced C Replacement	· 🖄 No 🗋 Yes
В								Repaired     Replaced     Replacement	No Ves
c						· ·		Repaired     Replaced     Replacement	No Ves
D	•••							Repaired     Replaced     Replacement	No Ves
E		· · · · · ·	· · ·					Repaired     Replaced     Replacement	No     Yes
F				•				Repaired     Replaced     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.

•		4.	· · · ·	<b>a a</b>	
7. Description of Wo	the SHP MOD	VEY SRI	1-50-0-66A-A	CPM-57	7
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pr	essure 🗌 Other	X Exempt
	Pressure	psig	Test Temp	•F	
	Pressure	psig	Test Temp	°F	
	Pressure	psig	Test Temp	°F	
9. Remarks	JA				
	1-1				
		·			
	(Apş	plicable Manufactu	irer's Data Records to be At	tached)	<u>`</u>
We certify that the of the ASME Code, a	e statements made		OF COMPLIANCE correct and this repair or n	eplacement conform	ns to the rules
Type Code Symbol S	Stamp N/A				
Certificate of Authori	zation No. N/A	- 1	Expiration [	Date N/A	
Signed XAMA (	Qwner or Owner	's Designee, Title	SPEC. Date DEC.		
	÷				
	CERT	IFICATE OF IN	SERVICE INSPECTION	ON .	
			by the National Board of B		essel
			and employed		debelor
10 12.18/23 and	nave inspected t	and components of	escribed in this Owner's Re	eport ouring the period	allong 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

12/9/03

Date

Commissions NL 1444 NIABL

National Board, State, Providence and Endorsements

1.	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	201-1006		· · · · · · · · · · · · · · · · · · ·		1a. Date	<u>2-08-03</u> Lot L		
2.	Plant Address		lear Station ester Hwy. Seneca; S.	C. 29672		· · ·			<u></u> 01 <u></u>		
2a.	Unit		]2 🔲 3 🗍 Sha	red (specify Units	<u> </u>	) .' 30 W	lork Orda	r # <u>985838</u>	24-01		
3.	Address 52	8 S. Church	e Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/	n-1008 A Expiration Date N/A			•	Repair Organia	zation Job #		
4.	Identification of System <u>REACTOR COOLANT</u> Class										
5.	(a) Applicable Construction Code ANST 31.7 1968 Edition. N/A Addenda, 68 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.		r fnatr∴eab	ports.)			(1992 Enrough	1992 A	ddenda for clas	B MC and		
	Co	lumn 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	1/3	-50- 4- H3	DPC	NA	NA	iu/A	2003	Repaired Replaced Replacement	· 🗹 No		
в			•					Repaired     Replaced     Replacement	No Ves		
c								Repaired     Replaced     Replacement	No Ves		
D							•	Repaired     Replaced     Replacement	No Yes		
E		· · · · ·					•	Repaired     Replaced     Replacement	No Ves		
F				•				Repaired     Replaced     Replacement	No Ves		

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.

			c-					
7. Description of Wo	rk/MADIFY 5	R 1-50-0	0-481A-H3					
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating I	Pressure Other	Exempt			
	Pressure	psig	Test Temp.	°F				
	Pressure	psig	Test Temp.	°F				
	Pressure	psig	Test Temp.	°F	•			
9. Remarks	NA							
· · · · · · · · · · · · · · · · · · ·	(Ар	plicable Manufactu	rer's Data Records to be	Attached)				
of the ASMÉ Code,	e statements made Section XI.		OF COMPLIANCE	<sup>,</sup> replacement conform	ns to the rules			
Type Code Symbol	•							
Certificate of Author	ization No. N/A	1 ma ca	•	n Date N/A	1			
Signed X (111/1/	Qwner or Owner	's Designee, Title	Zr Date_DE	<u>-DE, 2005</u>				
<b>CERTIFICATE OF INSERVICE INSPECTION</b> I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of <u>Abert Carolun</u> and employed by <u>HSBCT</u> have inspected the components described in this Owner's Report during the period <u><math>\frac{4}{122}/03</math></u> to <u><math>12/8/03</math></u> ; and state that to the best of my knowledge and bellef, 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

12/9/63

Commissions NC/AAA NTROC

National Board, State, Providence and Endorsements

Date\_

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			•		R'S REPORT FOR The Provisions O				•	
1.	Owner Address	Duke Power 526 S. Churc	Company h Street, Charlotte, NC 26	201-	1006				1a. Date 🟒	<u>12-08:03</u>
	Plant Address	Oconee Nucl 7800 Roche	lear Station aster Hwy. Seneca; S	.C. :	29672		-			
2a.	Unit	⊠1 □	12 🔲 3 🛄 Sha	, red (	specify Units	<u>.</u>	.) 3a. W	ork Orde	r # <u>9858360</u>	2-55
3.	Unit Al 1 L 2 L 3 L Shared (specify Units) 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 # <u>98583602-55</u> Repair Organization Job # 3b. NSM or MM #/A									
			REACTOR COOLAN				· · · · ·	,	· · · · ·	
5.	(a) Applicable Construction Code ANSI 6317 1968 Edition N/14 Addenda, 68 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.	Identificatio	n of Compone	ints Repaired or Replaced a	and R	eplacement Compone	ents	· · · · · · · · · · · · · · · · · · ·			
·	Co	umn 1 🗍 🤅 🛓	Column 2	r 13	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
		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	5/K1-9 166A-RC	50-0- -4M-59	DPC	-	NA	NA	N/A	2003	Replaced Replaced Replacement	· 🖄 No 🗌 Yes
в	· ·								Repaired     Replaced     Replacement	No Ves
c									Repaired     Replaced     Replacement	No Yes
ם						·			Repaired     Replaced     Replacement	No Ves
E									Repaired     Replaced     Replacement	No Ves
F				, ,	•				Repaired     Replaced     Replaced     Replacement	No Ves

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.

	•		V		
7. Description	of Work MODIFY	5 <u>/R 1-50-</u>	0-66A-RCPN	1-59	
8. Test Conduc	ted: Hydrostatic	Pneumatic	Nominal Operating	Pressure Other	Exempt
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	•
9. Remarks	NA				
·					
•	(App	Icable Manufacto	Irer's Data Records to be	Attached)	$\bigcirc$
	hat the statements made i		OF COMPLIANCE	r replacement conform	ns to the rules
of the ASME C	ode, Section XI.				
Type Code Syr	nbol Stamp N/A				
Certificate of A	uthorization No. N/A	all .	Expiratio	n Date N/A	
Signed X	M ( M ( M ) Opl	1/ (DA 3)	DE: Date_D		
	( QwnScor Owner's	Designee, Title			
·					
			NSERVICE INSPEC		
I, the unders	signed, holding a valid cor the State or Providence of	nmission issued	by the National Board o	i Boiler and Pressure V wed by ガムロ CT	/essel
10_12/8/03		e components of my knowled	lescribed in this Owner's ge and belief, the Owner	Report during the peri has performed examin	nations and
Section XI.					
concerning the Inspector nor h	nls certificate, neither the examinations and correct is employer shall be liable m or connected with this i	ive measures de In any manner	scribed in this Owner's	Report, Furthermore, n	either the
AT.		110	1444 NIABC		Ì
Inspector	's Signature	nmissions <u>702</u>	National Board, State, F	Providence and Endors	ements

ĸ/1/03

Date

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									<u>.                                    </u>		
1.	Owner Address	Duke Power 526 S. Chur	Company ch Street, Charlotte, NC 26	3201-1006				1a. Date 🖉 Sheet _			
2.	Plant Address		lear Station ester Hwy. Seneca; S.	.C. 29672	• •	· · · ·					
2a.	Unit	⊠1 C	]2 🗍 3 🗍 Sha	red (specify Units	··· .	)		GOCZZI	12-55		
3.	Address 52	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 # <u>18583(402-55</u> )         Sa. Work Order # <u>18583(402-55</u> )									
4.	Identification of System <u>REACTOR COOLANT</u> Class /										
5.	. (a) Applicable Construction Code <u>ANST B31.7</u> 19 <u>(S</u> Edition, <u>N/A</u> Addenda, <u>(8</u> ) (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and										
•	(b) Applica	ble Edition of their sup	Section XI Utilized for Repa	irs or Replacements 1989	No Addenda	(1992 through	1992 A	ddenda for Clas	s MC and		
6.	Identificatio	n of Compone	ents Repaired or Replaced a	and Replacement Compon	ents	·	· · ·				
	Co	umn t	-, 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	3/R1-9 66A-1	50-0- CPM-58	DPC	NA	NA	ri/A	8003	Repaired Replaced Replacement	· 🕅 No		
В		· · · · · · · · · · · · · · · · · · ·	•					Repaired     Replaced     Replacement	No Ves		
c		3					,	Repaired     Replaced     Replacement	No Ves		
D								□ Repaired □ Replaced □ Replacement	No Ves		
E	,							Repaired     Replaced     Replacement	No Yes		
F		· · ·	· · · · · · · · · · · · · · · · · · ·					Repaired     Replaced     Replaced	□ No □ Yes		

3 . . .

•.

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.

. Description of Work MUDIFY SR 1-50-0-66A-RCPM-58									
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Press	ure Other	Exempt				
9. Remarks	Pressure Pressure Pressure //A	psig psig psig	Test Temp Test Temp Test Temp	°F °F °F					
			irer's Data Records to be Attach	led)					
We certify that the of the ASME Code,	e statements made		OF COMPLIANCE correct and this repair or repla	acement conform	ns to the rules				
Type Code Symbol	Stamp N/A								
Certificate of Authorization No. N/A Expiration Date N/A Signed XIIII III MAN A SAEL. Date DEC 8, 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 Providence of <u>North Checlush</u> and employed by <u>USACT</u>

have inspected the components described in this Owner's Report during the period  $\frac{B/cs/c3}{Components}$  to  $\frac{12/8/c3}{Components}$ ; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions NCIATANIABL

Inspector's Signature

National Board, State, Providence and Endorsements

Date 12/9/03

1.	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	8201-1006		•		1a. Date /	2-08-03 1 of 1	
2.	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca; S.	.C. 29672				• • • • •		
2a.	Unit		]2 🔲 3 🗍 Sha	ared (specify Units		)	w Orda		27-01	
3.	Unit       Image: Constraint of the street of									
4.	Identificatio	n of System	HIGH PRESSURE INJ	ECTION Class	2	•	~	•.		
5.	(a) Applica	ble Constructi	on Code ANST B31.	Z 19/08 Edition,	N/A Ad	Idenda, <u>68</u>			_Code Cases	
6.	CCand	l their sup	Section XI Utilized for Repa ports.) ants Repaired or Replaced a	1 · · · · · · · · · · · · · · · · · · ·		(1992 through	1992 A	ddenda for Clas	s MC and	
	5. Co	lumn 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	5/R 51 - 478A	4-0 -H16C	DPC	N/A	NA	NYA	2003	Repaired Replaced Replacement	· 🛛 No	
В		÷	•					Repaired     Replaced     Replacement	No Ves	
С				•				Repaired     Replaced     Replacement	No Ves	
D								Repaired     Replaced     Replacement	No Ves	
E		· · · · · · · ·						Repaired     Replaced     Replaced	No Ves	
F		· · · ·			:			Repaired     Replaced     Replaced     Replacement	No Ves	

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.

			lings will a	
7. Description of Wo	rk <u>MOD/FY</u>	<u>1K 514-0</u>	-478A-HILOC	
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pressu	re Other Exempt
	Pressure	psig	Test Temp.	°F
	Pressure	psig	Test Temp.	°F
	Pressure	psig	Test Temp.	°F
9. Remarks/	N/A			
	/			
•				
	(Ap	plicable Manufactu	irer's Data Records to be Attache	
We certify that the of the ASME Code, Type Code Symbol 3	e statements made Section XI.		OF COMPLIANCE correct and this repair or repla	cement conforms to the rules
Certificate of Author	zation No. N/A	Λ	Expiration Date	N/A
signed Xaull	Maman	's Designee, fitte	EC. Date DEC 08,	
	CERT	IFICATE OF I	<b>NSERVICE INSPECTION</b>	
I, the understaned	I, holding a valid co	mmission issued	by the National Board of Boller	and Pressure Vessel

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of <u>Moent Cacoluna</u> and employed by <u>MSBCT</u> have inspected the components described in this Owner's Report during the period <u>Mislo</u>

to <u>12/8/03</u>; and state that to the best of my knowledge and bellef, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions NC/AATNEABL

Inspector's Signature Date\_12/9/03 National Board, State, Providence and Endorsements

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0000 2 01 2

1.	Owner Address										
2.	Plant Address	Oconee Nuc 7800 Roche	lear Station ester Hwy. Seneca; S.	C. 29672		• •		Sneet _	<u>/ 01/.</u>		
2a.	Unit	<b>⊠1</b> □	]2 🗍 3 🗍 Sha	red (specify Units		)		982424	448-01		
3.	Unit       I										
4.	Identification of System <u>LIQUID SAMPLING</u> Class <u>2</u>										
5.	(a) Applica	ble Constructi	on Code <u>1403</u> <u>631.</u> Section XI Utilized for Repa	2 19 <u>68</u> Edition,	NIA AC	Idenda,	IA		_Code Cases		
	CC and	I CNEIT SUP	Section XI Utilized for Repa ports.) Ints Repaired or Replaced a			(1992 through	1992 A	ddenda for Clas	s MC and		
	<b>C</b> 0	lumn 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	5/R 1- 435K-	64- H5622	DPC	NA	NA	·N/A	2003	Repaired Replaced Replacement	· 🛛 No ·		
в		•	•					Repaired     Replaced     Replacement	No Ves		
С				•		•		Repaired     Replaced     Replacement	No Ves		
D								Repaired     Replaced     Replacement	No Ves		
E								Repaired     Replaced     Replacement	□ No □ Yes .		
F				•				Repaired     Replaced     Replaced	□ 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.

			1:		
7. Description of Wo	rk MODIFY 5/R 1-6	4-435K-1	15622		
8. Test Conducted:	🛛 Hydłostatic 🔹 🗍 Pneu	imatic 🗌 Nomir	al Operating Pressure	• Other	Exempt
	Pressurep	sig	Test Temp.	°F	
	Pressurep	sig	Test Temp.	°F	
	Pressurep	sig	Test Temp	°F	•
9. Remarks	N/A				
		· · ·			
	(Applicable Ma	inufacturer's Data f	Records to be Attached	ຐ	
of the ASME Code, Type Code Symbol Certificate of Author	Stamp N/A	60/1	Expiration Date N		•
Signed X(11)	Owner or Owner's Designe	by El.	Date	00_	
	~				
			E INSPECTION		

kind arising from or connected with this inspection.

Date\_11/25/03

Commissions NC/444 NIABL

Inspector's Signature

National Board, State, Providence and Endorsements

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1.	Owner Address										
2.	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca; S.	C. 29672					01 <u>-</u>		
	Unit		2 🖸 3 🗍 Sha	red (specify Units		) 3a. Wo	xik Orde	r # <u>9849520</u> Repair Organiz	15-01		
з.	Work Performed By Duke Power Company       -       Repair Organization Job #         Address 526 S. Church Street, Charlotte, NC 28201-1008       -       -       N/A         Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A       3b. NSM or MM #       -       N/A										
4.	Identificatio	Identification of System HIGH PRESHEE INJECTION Class									
5.	(a) Applicable Construction Code <u>ANSTEB31.7</u> 19/18 Edition, <u>ATA Zimi</u> Addenda, <u>NIA</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and										
	CC and	. <b>thair∙su</b> p	POTCS+J			(1992 through	1992 A	ddenda for Clas	s MC and		
б. 	Identificatio	n of Compone	ents Repaired or Replaced a	nd Replacement Compon	ients	· · · ·			·:: *		
	C0	umn 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	51K 57 47912-	14-0- HGA	DPC	NA	NA	NIA	2003	Repaired Replaced Replacement	· Iar No □ Yes		
в		-						Repaired     Replaced     Replaced	No Ves		
c						•		Repaired     Replaced     Replacement	No ·		
D								Repaired     Replaced     Replacement	No Yes		
E								Repaired     Replaced     Replacement	No     Yes		
F	:							<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes		

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•	•					13			
7. Description	of Wo	rk <u>MOD//</u>	43	5/R 57A-0-	4794.	-HGA			
8. Test Condu				Pneumatic	🗌 Nomi	nal Operating	Pressure		X Exempt
		Pressure		psig		Test Temp.		°F	•
		Pressure		psig		Test Temp.	<del></del>	°F	
		Pressure		psig		Test Temp.	<u></u>	°F	•
9. Remarks	N	IA							
-									
· _				•					
-									<u>`</u>
•			(Ap	plicable Manufactu	urer's Data I	Records to be	Attached)		
·····				CERTIFICATE	OFCOM				
We certify of the ASME			made	in the report are			r replacer	nent conform	ns to the rules
Type Code S	ymbol \$	Stamp N/A							
Certificate of	Authori	zation No.	N/A	Λ		Expiratio	n Date N/	4	
Signed X	<u> M{(`i</u>	Mam	Jh.	1 (2)-1 <u>50-</u> r's Designee, Title		Date//	W. 21 d	2003	
					<u></u>				· · ·
			<u> </u>			· 			
1 the second				<b>TIFICATE OF II</b>					la a a a l
Inspectors and	rsigned d the S	, holding a v tate or Prov	idence	ommission issued	by the Nat	ional Board o and emplo	Ved by	HSBCT	8558I
		_ have insp	ected	the components of	lescribed ir	n this Owner's	Report du	iring the peri	od <u>6/18/03</u>
to <u>////////////////////////////////////</u>	}; and	state that to	the b	est of my knowled this Owner's Rep	ge and bel	lef, the Owner	r has perfo	med examin	ations and ASME Code
Section XI.						•			
By signing	this con	tificate, neit	her the	Inspector nor his ctive measures de	s employer	makes any w	arranty, ex	pressed or in	nplied,
Inspector nor	his em	olover shall I	bo liat	le in any manner	for any per	sonal injury o	r property	damage or a	loss of any
kind arising fro	om or c	onnected wi	th this	inspection.		 -	· · ·	~	1
Nonger	the	Sauett	inc	ommissions	NCI	169 ABN	I		

Inspector's Signature

24/03 11 Date

J

_								and the second		
1.	Owner Address	Duke Power 526 S. Chun	Company ch Street, Charlotte, NC 28	201-1006					<u>1-21-03</u> <u>1</u> of <u>1</u>	
	Plant Address		lear Station ester Hwy. Seneca; S.	C. 29672		· ·			<u> </u>	
2a.	Unit		]2 🔲 3 🗍 Sha	red (specify Units	··	) 20 W	ork Orde		3-06	
3.	Image: Control of the second symbol stamp N/A Authorization No. N/A Expiration Date N/A       Sa. Work Order # <u>18378403-06</u> Sa. Work Order # <u>18378403-06</u> Repair Organization Job #         Address 526 S. Church Street, Charlotte, NC 28201-1006       Sa. Work Order # <u>18378403-06</u> Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A       Sb. NSM or MM #/A									
4,	Identificatio	n of System	NW PRESSURE INISE TO	TON Class 2		•		i i	•	
5.	(a) Applica	ble Construct	on Code <u>ANST 531.</u> Section XI Utilized for Repa	7 19/68 Edition, N	<u>IA</u> Ad	Idenda, <u>N/A</u>	1002 1	Janda Bay Clas	_Code Cases	
	CC and	their sup	section Al Oulized for Replaced a ports.) ants Repaired or Replaced a	- , •		(1992 Enrough	1992 A	Idenda IDF CIAB	B NO and	
	Col	umn 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	5/K I- 436E-E	53B- n0-H59	DPC	NIA	NA	in/17	2003	Repaired Replaced Replacement	· 🛛 No	
в				•		•		Repaired     Replaced     Replacement	No Ves	
c						•		Repaired     Replaced     Replacement	No Ves	
D								Repaired     Replaced     Replaced     Replacement	No Ves	
E								Repaired     Replaced     Replacement	□ No . □ Yes	
F								Repaired     Replaced     Replaced     Replacement	No Ves	

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.

			6	/					
7. Description of Wo	it MODIFY 3	<u>k 1-53B-</u>	436E-EMO-H	59					
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating F	Pressure Dother	Exempt				
	Pressure	psig	Test Temp.	°F					
	Pressure	psig	Test Temp.	°F					
	Pressure	psig	Test Temp.	•F	•				
9. Remarks	NA								
	(Ap	plicable Manufactu	irer's Data Records to be A	Attached)					
We certify that the of the ASME Code,			OF COMPLIANCE	replacement confon	ns to the rules				
Type Code Symbol	Stamp N/A								
Certificate of Author	ization No. N/A	1	Expiration	Date N/A					
signed	Mamonil	OA Spisce, 's Designée, Title	· · · · · · · · · · · · · · · · · · ·	1.21,203					
		:							
	CERTIFICATE OF INSERVICE INSPECTION								
	I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel								
	nspectors and the State or Providence of <u>North Condumin</u> and employed by <u>HSSCT</u> have inspected the components described in this Owner's Report during the period <u>3/25/03</u>								
to 11/25/63 ; and	state that to the b	est of my knowled	ge and belief, the Owner I	has performed exami	nations and				
uaken corrective mea	asures described ir	i this Owner's Rep	port in accordance with the	e requirements of the	ASME Code,				

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

Commissions Inspector's Signature

Date\_ 11/25/02

NC1169 ABNI

National Board, State, Providence and Endorsements

	C	··· ··· ··		and a second s				$\zeta$			
			NER'S REPORT FOR By The Provisions C				•				
1.	Owner Duke Power Address 526 S. Chur	r Company ch Street, Charlotte, NC 28	201-1006					<u>0-09-0</u> 3			
2.		clear Station nester Hwy. Seneca; S.	C. 29672				Sneet _	OT			
	Unit 🖾 1 🕻	]2 []3 []Shar	ed (specify Units		) 3a. W	ork Orde	r# <u>98493</u>	762-02			
3.	Unit       Image: Description of the system       Image: Description of the s										
4.	Identification of System	HIGH PRESSURE INTECTION	Class_2	, 	•						
5.	(a) Applicable Construction Code ANST B31.7 1968 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 Compone	ents Repaired or Replaced a	nd Replacement Compone	ents		:					
	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	3/R 1-51- 478E- HUII /	DPC	NA	NA	NA	2003	Repaired     Replaced     Replaced     Replacement	· 🕅 No			
в						•	Repaired     Replaced     Replacement	No Ves			
С							Repaired     Replaced     Replacement	No Ves			
D					-		Repaired     Replaced     Replacement	No Ves			
E							Repaired     Replaced     Replacement	No Ves			
F		· .					Repaired     Replaced     Replacement	No Yes			

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Page 1 of 2

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7. Description of Wo	* LEDAIR S	R 1-51-4	78E-HIDII		
8. Test Conducted:	Hydrostatic	_	_	Other	
	- Pressure	psig	Test Temp.	۴F	·
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	۲	•
9. Remarks	)[A				
·	(Ap	plicable Manufactu	irer's Data Records to be Attached)		
We certify that the of the ASME Code,	e statements made Section XI.		OF COMPLIANCE correct and this repair or replacen	nent conform	ns to the rules
Certificate of Author	zation No N/A	Λ	Expiration Date N/	1	
Signed	Mandh	's Designee, Tide	DEL. Date Oct. 09,		
	÷				
to <u>lollo/o3</u> ; and taken corrective mea Section XI. By signing this ce	I, holding a valid co state or Providence have inspected state that to the be asures described in rtificate, neither the	on <u>Norry</u> of <u>Norry</u> the components of est of my knowled this Owner's Rep Inspector nor his	NSERVICE INSPECTION by the National Board of Boiler and <u>codural</u> and ëmployed by <u>d</u> lescribed in this Owner's Report du ge and belief, the Owner has perfo port in accordance with the requirer employer makes any warranty, exp escribed in this Owner's Report. Fu	<u>YSB</u> ring the peri med examin nents of the pressed or in	od <u>//28/03</u> nations and ASME Code, nplied,

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

Date\_10/03

Commissions NCIAAANIABL

National Board, State, Providence and Endorsements

-									······································			
1.	Owner Address	Duke Power 526 S. Chun	Company ch Street, Charlotte, NC 28	201-1006		· · ·			<u>17-070</u> 3 L of <u>1</u>			
2.	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca; S.	c. 29672		•	•		<u> </u>			
2a.	Unit		]2 []3 []Sha	red (specify Units		) 30 W	orte Orda	. # 9854.38	25-01			
3.	Address 52	nit       I       I       I       Shared (specify Units)         /ork Performed By Duke Power Company       3a. Work Order # <u>98543825-0</u> /         /orks 526 S. Church Street, Charlotte, NC 28201-1006       Repair Organization Job #         /pe Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A       3b. NSM or MM #/A										
			STEAM DRAIN					· · · · ·				
5.	(a) Applica	ble Constructi	on Code <u>ANST 631.</u> Section XI Utilized for Repa	2 19/08 Edition, N	<u>/A</u> Ac	idenda, <u>NA</u>		-	_Code Cases			
6.		. unada adb	section XI Utilized for Repa ports.) ants Repaired or Replaced a			(1992 through	1992 A	ddenda for Clas	B MC and			
	Co	lumn 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8			
		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	1-01A-	FR ON FR 401A-144347	LISEGH	61290-48	NA	riv/A	NA	Repaired Replaced Replacement	· 🖾 No □ Yes			
В		l ON 51R A-114347	LI'SEGA	61314-63	NA	NA	2003	Repaired     Replaced     X Replacement	Ves			
c								Repaired     Replaced     Replacement	No Ves			
D								Repaired     Replaced     Replacement	No     Yes			
E						·		Repaired     Replaced     Replacement	No Yes			
٦			• •	•				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 Wo	rk REPLACE	SNUBBER O	N S/R 1-0/A-40/A-H	14347	·
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pressure	C Other	Exempt
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
9. Remarks	NA				
	·				
•	<u></u>	· · ·			
	(Ap	plicable Manufactu	urer's Data Records to be Attached)		
		CERTIFICATE	OF COMPLIANCE		
We certify that the of the ASME Code,		in the report are	correct and this repair or replace	ment conform	ns to the rules
Type Code Symbol	Stamp N/A				
Certificate of Author	ization No. N/A	1	Expiration Date N/	A	
Signed	Qviner or Owner	DA Spec 's Designete, Title	Date JULY 7, a	2003	, , , ,
	÷				· · · · · · · · · · · · · · · · · · ·
	CERT	IFICATE OF I	NSERVICE INSPECTION		
I, the undersigned Inspectors and the S	1, holding a valid co State or Providence	of North Ca	by the National Board of Boller an	d Pressure V	lessel

have inspected the components described in this Owner's Report during the period 2-7-03 to 2-14-03; 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.

Noney Chitche Soughter	Commissions	NCII69ABNI
Inspector's Signature		National Board, State, Providence and Endorsements
Date 7-14-03	,	

_		<u> </u>									
1.	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	3201-1006			•	1a. Date 4	1-18-02 		
<b>2.</b>	Plant Address	Oconee Nuc 7800 Roch	¢ 		<u> </u>						
2a.	Unit		] 2 🗌 3 📲 🖓 Sha	red (specify Units		) '			24.16		
3.	a. Unit [X] 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 3b NSM or MM #										
4.	Identificatio	on of System	MAIN STEAM	Class2	•	•					
5.	<ul> <li>5. (a) Applicable Construction Code <u>AWSD1.1</u> 19<u>56</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> 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.)</li> <li>6. Identification of Components Repaired or Replaced and Replacement Components</li> </ul>										
	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	3R 1-0 401A-	014-1-1-0 1-143	DPC	NA	NA	NA	AA	Repaired Replaced Replacement	⊠ No □ Yes		
в			•			07-	502	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves		
c								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No No Yes		
D								Repaired     Replaced     Replacement	No Ves		
E								Repaired     Replaced     Replacement	□ No □ Yes		
F								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves		

Page 1 of 2

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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 Wor	к_ <u>МОЛ</u>	FY S/R 1-	01A-1-1	-0-401,	<u>4-443</u>	<b>,</b>	
8. Test Conducted:		static 🗋 Pneuma		-		Other DExempt	
	Pressure	psig		Test Temp.	°f	:	
	Pressure	psig		Test Temp.	°F	2	
	Pressure	psig		Test Temp.	۰۴ 	<b>.</b>	
9. Remarks							
						·	
<del>_,</del>				<u> </u>			
		(Applicable Manuf	acturer's Data	Records to be	Attached)		
	·	CERTIFICA	TE OF CO	MPLIANCE	· <u></u>	<u> </u>	
We certify that the of the ASME Code, S						conforms to the rules	
Type Code Symbol Stamp N/A							
Certificate of Authorization No. N/A							
Signed July	Owner or (	MAN Q	A SPEC. Title	Date	PRIL 18,-	2002	
	 				· · · ·		
ł	- (	CERTIFICATE O	F INSERVI	CE INSPEC	TION		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel							
Inspectors and the S							
have inspected the components described in this Owner's Report during the period $\frac{4}{2}$ to $\frac{4}{2}$ 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.					-	-	
		er the Inspector no					
concerning the exam							
Inspector nor his emp kind arising from or c			ner for any p	ersonal injury o	or property damag	je or a loss of any	
I WILL ALISHIN HULL OF C	Unnected WI	ar ans inspection.					
, 111 -1	///		111-				
U eller 4/1	h_	Commissions	VASS				
Inspector's Sign			National	Board, State, I	Providence and E	indorsements	
Date 4-20-02		. ,				ſ	
						Page 2 of	

(

								. /	11017
1.	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	3201-1006					<u>L_18-02</u>
2.	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca, S.	.C. 29672					
2a.	Unit		] 2 🗌 3 🕛 🖓 Sha	red (specify Units		) '		Galzze	5/1 2/1
3.			Power Company			3a. Wo	ork Orde	r # <u>984325</u> Repair Organiz	$\frac{27}{27}$
	Address 52 Type Code	6 S. Church Symbol Stam	Street, Charlotte, NC 2820 p N/A Authorization No. N/	01-1006 A Expiration Date N/A		3b/ NS	Mor MI	N#_13067	2
4.	Identificatio	n of System	MAIN STEAM	Class	2				
5.	(a) Applica	ble Constructi	on Code <u>AWS D/. (</u> Section XI Utilized for Repa	19 <u>98</u> Edition,	<u>V/A</u> AC	idenda,N/H	2	·	_Code Cases
	CC and	l their sup	ports.)		· ·	(1992 through	1992 A	ddenda for Clas	s MC and
6.	Identificatio	on of Compone	ents Repaired or Replaced a	and Replacement Compor	ients		· ·		4_ 5, 
	Co	iumn 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	3/R 1- 401A-	.014-1-1-0 14 1	DPC.	N/A	NA	N/A .	NA	□ Repaired □ Replaced Ø Replacement	⊠ No □ Yes
в			•			. 0	07-15-00	Repaired Replaced Replacement	No Yes
c		· · · · · · · · · · · · · · · · · · ·					· ·	Repaired     Replaced	No No
-		<u> </u>	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				Replacement     Repaired	
D								Replaced     Replacement	No Ves
E								□ Repaired □ Replaced □ Replacement	No Ves
F		<u></u>						Repaired     Replaced	No No
	<u>_ </u>		<u> </u>	<u> </u>		L	· ·	Replacement	Page 1 of 2

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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 Wo	rk MONIFY	<u> 3/12 1-01A-</u>	-1-1-0-401A	-H1						
8. Test Conducted:		·	Nominal Opera	•		Exempt				
	Pressure	psig	Test Ten	p	°F					
	Pressure	psig	Test Terr	ıp	°F					
	Pressure	psig	Test Terr	ıp	°F					
9. Remarks	<u></u>					· · · · · · · · · · · · · · · · · · ·				
					·····					
	(Aŗ	oplicable Manufact	urer'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 Authori Signed	ization No. N/A	n's Designee, Title	Expi	ration Date N/ APRIL (8						
· · · · · · · · · · · · · · · · · · ·	=			· · · · · · · · · · · · · · · · · · ·						
<b>CERTIFICATE OF INSERVICE INSPECTION</b> I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of $\underline{VIAGINI4}$ and employed by $\underline{IASC}$ $\underline{have inspected the components described in this Owner's Report during the period \underline{I-29-02},to \underline{4-20-02}; and state that to the best of my knowledge and belief, the Owner has performed examinations andtaken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code,Section XI.By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied,$										
concerning the exam Inspector nor his em kind arising from or o	ninations and corre ployer shall be lial	ective measures d ble in any manner	escribed in this Own	er's Report. Fu	rthermore, n	either the				
Inspector's Sig	nature	Commissions	National Board, Sta	le, Providence	and Endors	ements				
Date <u>4-20-0</u>										

2

1.	Owner Address	Duke Power	Company	2004 4000	i\			1a. Date	1/2-03 1 of 1
			ch Street, Charlotte, NC 28	3201-1005		· ·		Sheet _	/_ of _/
	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca; S.	.C. 29672				•	_
2a.	Unit		]2 🗍 3 🗍 Sha	ured (specify Units		)	ork Orde	r # <u>983941</u> Repair Organia	41-33
3.	Address 52	8 S. Church 8	Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/			3b. NS	SM or MA	Repair Organiz	zation Job #
4.	Identification of System HIGH PRESSURE INJECTION Class 2 dem								
	(a) Applicable Construction Code <u>ANSEB31.7</u> 19 <u>68</u> Edition, <u>NHA</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and								
		ble Edition of their sup		lins or Replacements 1989,	No Addenda	(1992 through	1992 A	ddenda for Clas	s MC and
6.	Identificatio	n of Compone	ents Repaired or Replaced a	and Replacement Compone	ents	معنی، 	<b>.</b>		
	Co	lumn 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	Replaced, or Replaced, or Replacement	ASME Code Stamped (yes or no)
A	• •	.51-0- 5855	DPC	NA	NIA	NJA	2003	Repaired Replaced Replacement	· 🛛 No
в			•					Repaired     Replaced     Replacement	No Ves
c								Repaired     Replaced     Replacement	No Ves
D								Repaired     Replaced     Replaced	No Ves
E		· .						Repaired     Replaced     Replaced	No Yes
F								Repaired     Replaced     Replaced     Replacement	☐ No ☐ Yes

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7. Description of We	ork <u>MUDIFY</u>	5/R 1-5	1-0-444- 5R5	5	,
8. Test Conducted:		Pneumatic	Nominal Operating Pressure		Exempt
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	•
9. Remarks	N/A.				
	<u>.</u>	·			
·	· · · · · · · · · · · · · · · · · · ·				i
	(Ap	plicable Manufactu	irer's Data Records to be Attached)		
We certify that the of the ASME Code, Type Code Symbol	ne statements made , Section XI.		OF COMPLIANCE correct and this repair or replace	ment conform	ns to the rules
Certificate of Author	rization No N/A	.1	Expiration Date N	/Δ	•
Signed	Mama	's Designee, Title	DEC. Date NOV. 12	<b>_</b>	
Inspectors and the to $2/4/04$ ; and	d, holding a valid oc State or Providence have inspected I state that to the be	ommission issued of <u>Nott</u> , <u>(</u> ) the components c ast of my knowled	NSERVICE INSPECTION by the National Board of Boiler ar <u>(dence</u> ) and employed by lescribed in this Owner's Report d ge and bellef, the Owner has performed port in accordance with the regular	uring the performed examin	$\frac{1}{1/63}$ nations and

Section XI.

211

Date.

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.1169ABN4

National Board, State, Providence and Endorsements

	C		n andros an	الم الم الم الله الله الم	. C innerstations			sitist and a statistic statistics	
		· ·.		/NER'S REPORT FO By The Provisions	R REPAIRS		mi 1 1 🗸	•	· ·
	Owner D Address 52	uke Power 28 S. Churc	Company ch Street, Charlotte, NC 28	201-1006				1a. Date //	1203
			lear Station ester Hwy. Seneca; S.	.C. 29672		ı			,
2a. 1				red (specify Units		) ( 3a, W	lork Order	# <u>7839410</u> Repair Organiz	01-35
	Address 528 !	3. Church S	Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/	N-1006 A Expiration Date N/A		3b. N		Repair Organiz	2
4.	Identification of	of System	OW PRESSURE INJECT	TOXI Class	THE Z	4/04	• •	· · ·	'. <b>.</b>
	(b) Applicable CC and t	Edition of their, sup	on Code <u>AN5IB31.</u> Section XI Utilized for Repa ports.) ants Repaired or Replaced a	lins or Replacements 198	9, No Addenda	denda, (1992 through	N/A 1992 A	idenda for Clas	_Code Cases s MC and
$\square$	Colun		Column 2	Column 3	Column 4	Column 5	CoL 6	Column 7	Column 8
	Name of Co	omponent	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	5/R 1-0 -7172-		DPC	NA	NIA	NJA	2003	Repaired Replaced Replacement	· 🖾 No
в			•					Repaired     Replaced     Replacement	□ No □ Yes
С				,				Repaired     Replaced     Replacement	No Ves
D								Repaired     Replaced     Replaced     Replacement	No Yes
E			:					Repaired     Replaced     Replaced	No Ves
F		<u></u>						Repaired     Replaced     Replacement	No Ves

Page 1 of 2

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.

· ·			V			
7. Description of Wo	the MODIFY	5/R 1-GH-	R5-7172-a	3		
8. Test Conducted:	Hydrostatic		Nominal Operating		Other	Exempt
	Pressure	psig	Test Temp.		°F	
	Pressure	psig	Test Temp.		°F	
	Pressure	psig	Test Temp.		٩F	•
		(***3				
9. Remarks/	0/A	·····				
<u> </u>			·····			
·····						
	(Ар	plicable Manufactu	irer's Data Records to be	Attached)		• •
r	<u></u>		<u>`</u>			
			OF COMPLIANCE			
of the ASME Code.		s in the report are	correct and this repair of	or replacem	ent contom	is to the fules
						i
Type Code Symbol	Stamp N/A					
Certificate of Author	ization No. N/A	. Л	Expiratio	on Date N/A		
and Sallah	MAana	11 MA TO		N. 12, Z	ひろろ	
Signed / /////	Owner or Owne	r's Designee, Title	Date/VC	N. 12,0		,
L	~					
			<u>.</u>			,
			NSERVICE INSPEC			
I, the undersigned	1, holding a valid o	ommission issued	by the National Board o	of Boller and	Pressure V	essel
inspeciois and the S	State or Providence	the components of	and emploid and employed in this Owner's	s Booort dur	ing the perio	N1011/03
to 2/4/04 . and	have inspected	ast of my knowled	ge and belief, the Owner	r has norfor	ng ulo pon med examir	ations and
taken corrective me	asures described in	this Owner's Rec	port in accordance with	he requirem	ents of the	ASME Code.
Section XI.						
By signing this ce	rtificate, neither the	e Inspector nor his	employer makes any w	ramanty, exp	ressed or in	nplied,
concerning the exam	ninations and corre	ctive measures de	scribed in this Owner's	Report. Fur	thermore, n	either the
hispector nor his em	ployer shall be liat	ole in any manner	for any personal injury of	or property d	lamage or a	loss of any
kind arising from or	connected with this	inspection.				<b>`</b> ,
Noncy CRitch	South c	ommissions^	JC1169.ABNI			

Inspector's Signature

Date

National Board, State, Providence and Endorsements

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1.	Owner Address	wher Duke Power Company Idress 526 S. Church Street, Charlotte, NC 28201-1006 Sheet of							
	Plant Address	Oconee Nuc		-		• •		Sheet _	of
2a.	Unit		]2 🔲 3 🗍 Sha	red (specify Units		) 3a. W	ork Orde	# <u>98,3941</u> Repair Organiz	61-13
3.	Address 52	8 S. Church S	9 Power Company St <del>reet, Charlotte,</del> NC 2820 p N/A Authorization No. N/	H-1006 A Expiration Date N/A		3b. NS	- SM or Mi	Repair Organiz	2
4.	Identification of System LOW PRESSURE INTECTION Class 2 TILLE LING								
5.	<ul> <li>Identification of System <u>LOW PRESSURE INTECTION</u> Class <u>C</u></li> <li>(a) Applicable Construction Code <u>ANSE B31.7</u> 19 (<u>S</u> Edition, <u>N/H</u> Addenda, <u>N/A</u> Code Cases</li> <li>(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.)</li> </ul>								
6.	(b) Applica CC and Identificatio	ble Edition of their sup n of Compone	Section XI Utilized for Repa ports.) ants Repaired or Replaced a	ins or Replacements 1989 and Replacement Compon	, No Addenda ents	(1992 through	1992 A	idenda for Clas	s MC and
	Co	umn 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 Bullt	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A		53 <i>B-</i> H5699	DPC	NA	NA	NIA	2003	□ Repaired □ Replaced ∧ 2 Replacement	No □ Yes
в						•		Repaired     Replaced     Replacement	□ No □ Yes ·
c		,		•				Repaired     Replaced     Replacement	□ No □ Yes
D				•				Repaired     Replaced     Replacement	No Ves
E								Repaired     Replaced     Replacement	□ No · □ Yes
F								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes

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· ·		-	i i		
7. Description of We	ork INSTALL -	<u> 1-538-</u>	436D-H5699		
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating	Pressure DOther	Exempt
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	•
9. Remarks	NA				
·					
	(App	plicable Manufactu	irer's Data Records to be	Attached)	<u>`</u>
We certify that the of the ASME Code, Type Code Symbol Certificate of Author Signed	e statements made Section XI. Stamp N/A rization No. N/A	in the report are	NEC, Date NO	r replacement conform n Date N/A <u>N. <i>D. 2003</i></u>	ns to the rules
	5- 7-		· · · · · · · · · · · · · · · · · · ·		
Inspectors and the to <u><u>J</u>/<u>1</u>/<u></u><u>2</u>; and taken corrective me Section XI. By signing this co concerning the example</u>	d, holding a valid co State or Providence have inspected to I state that to the be asures described in ertificate, neither the ninations and correct polover shall be liable	ormmission issued of <u>NHTK(M</u> the components of set of my knowled this Owner's Rep Inspector nor his ctive measures de le in any mapper	NSERVICE INSPECT by the National Board of and employ lescribed in this Owner's ge and belief, the Owner's port in accordance with the employer makes any wat scribed in this Owner's F for any personal injury or	Boller and Pressure V yed by <u>HSBC</u> Report during the peri- has performed examine requirements of the arranty, expressed or in Report, Furthermore, n	od <u>/0/18/03</u> nations and ASME Code, nplied, either the

bector's Signature

NC1169ABNI

Commissions

National Board, State; Providence and Endorsements

 $( \ )$ 

	Owner Address	Duke Power 526 S. Churc	Company h Street, Charlotte, NC 28	201-1006		······································		1a. Date /	<u>1-12-03</u> <u>1</u> of <u>1</u>
	Plant Address	Oconee Nucl 7800 Roche	ear Station aster Hwy. Seneca; S.	C. 29672					, ,
2a.	Unit	Ø1 □	2 3 Sha	red (specify Units	<u></u>	) 3a. Wo	rk Orde	# <u>9839410</u> Repair Organiz	1-13
	Address 52 Type Code	8 S. Church 8 Symbol Stamp	Power Company Street, Charlotte, NC 2820 N/A Authorization No. N/	A Expiration Date N/A	-	3b. NS	MOEMA	D# <u>154/(</u>	2
4.	<ul> <li>Identification of System <u>LOW RRESSURE INJECTION</u> Class <u>Class</u> <u>Clas</u> <u>Class</u> <u>Class</u> <u>Class</u> <u>Class</u> <u>Class</u> <u>Class</u> <u>Class</u> <u>C</u></li></ul>								
5.	(a) Applicable Construction Code <u>ANST 31.7</u> 19 68 Edition. Althe Addenda, <u>N/A</u> Code Cases (b) Applicable Edition of Section XI Utilized for Repairs of Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and								
	CCiano	their sup	ports.) nts Repaired or Replaced a						
	- Co	lumn 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	3/R 1- 4360	538- -H <i>5700</i>	DPC	NA	NA	N/A	2003	Repaired     Replaced     Replaced     Replacement	· ⊠ No □ Yes
в			•					Repaired     Replaced     Replacement	□ No □ Yes
С		<u> </u>		•				Repaired     Replaced     Replacement	No Ves
D								Repaired     Replaced     Replacement	□ No · □ Yes
E								Repaired     Replaced     Replacement	No Ves
F				<b>.</b>				Repaired     Replaced     Replacement	No ·

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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	n of Wor	* INSTA	-22	5/R 1-53	<u>B-430</u>	aD-457	00			
8. Test Condu		Hydło:		Pneumatic		nal Operating		C Other	ET Exempt	-
		- Pressure		psig		Test Temp.		°F	·	
		Pressure		psig		Test Temp.	<del></del>	•F		
		Pressure		psig		Test Temp.		₽°		
9. Remarks	N	IA								
or nomano .									******	-
				•					· ·	-
•										-
			(Ap	plicable Manufactu	urer's Data	Records to be	Attached)		~	
<b></b>				CERTIFICATE					- <del></del>	٦
				in the report are				nent confor	ms to the rules	
of the ASME	Code, S	Section XI.								
Type Code S	Symbol S	Stamp N/A								
Certificate of	Authori	zation No.	N/A	11		Expiration	on Date N/	4		
Signed	cun ?	Mama	Till	QA SOL	Ľ.	Date NO	W. Ric	2003		
		Owner or (	Jwner	's Designee, Title	}		;			
		÷.								
		(	CERT	IFICATE OF I	NSERVIC	E INSPEC	TION			]
I, the unde	ersigned	, holding a v	alid o	mmission issued	by the Na	tional Board o	f Boiler an	t Pressure \	/ossel	
	KI UNƏ S			of <u>Nottle</u> a				ring the per	iod 7/10/03	
to 2/4/00	E: and	state that to	the be	est of my knowled	ige and bel	lef, the Owne	r has perlo	rmed exami	nations and	
Section XI.	ive mea	sures descri	peq iu	this Owner's Rep	port in acco	ordance with t	ne requirer	nenis of the	ASME LOOD,	
By signing	this cor	tificate, neith	her the	Inspector nor his	s employer	makes any w	arranty, ex	pressed or i	mplied,	
Inspector nor	18 exam ' his emi	inations and plover shall I	corre	ctive measures de le in any manner	escribed in for any pe	this Owners rsonal Intury o	Heport. Fu	rinermore, r damage or a	a loss of any	
kind arising fr	rom or c	connected wi	th this	inspection.	1 E -		• • • •	5	-	•
	nn		1.	mmissions	ntr 1	IIGARI	<u> </u>			T
IVANNA	・ピースィキ	N. C. Nac	KT.C.	amiccione		しっけへん	سک			1

National Board, State, Providence and Endorsements

Inspector's Signature

2 Date ' U.

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1.	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 2	28201-1006				1a. Date Z	<u>1-1203</u> . L of L.
2.	Plant Address	Oconee Nuc 7800 Roche	ester Hwy. Seneca; S					Silber _	<u>بنہ</u> ۲۰ <u>م</u> رب
2a.	Unit	⊠1 □		ared (specify Units	· · · · · · · · · · · · · · · · · · ·	) ''			1.37
3.	Address 52	8 S. Church 8	Power Company Street, Charlotte, NC 282 p N/A Authorization No. N	201-1006 VA Expiration Date N/A		3a. W 3b. N	SM or MM	r # <u>98394/(</u> Repair Organiz A#	zation Job # ·
4.	Identification of System LOW PRESSURE INJECTION Class								
	<ul> <li>(a) Applicable Construction Code ANST B 31.7 1968 Edition, AHA Addenda, NIA Code Cases</li> <li>(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.)</li> <li>Identification of Components Repaired or Replaced and Replacement Components</li> </ul>								
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		GH-R5 1-04-	DPC	NA	NA	NIA	2003	Repaired Replaced Replacement	· 🖾 No 🗌 Yes
в			•		1			Repaired     Replaced     Replacement	No Ves
c								Repaired     Replaced     Replacement	No Ves
D								Repaired     Replaced     Replacement	No Ves
E								Repaired     Replaced     Replacement	No Ves
F		• ••						<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Yes

Page 1 of 2

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 Wo	rk <u>MDDIA</u>	cy 5/R	<u>I-GH.</u>	- <i>RS-</i> 7	071-04	<u>/</u>		·
8. Test Conducted:	Hydtos 🗌	tatic 🛛 F	Pneumatic		al Operating	Pressure	Other	Exempt
	Pressure		psig		Test Temp.	<del></del>	°F	•
	Pressure		psig		Test Temp.		°F	
	Pressure		psig		Test Temp.		°F	
9. Remarks	NA							
	-7							
			•					
		(Applicabl	e Manufacti	urer's Data F	lecords to be	Attached)		
r								
We certify that the	a etatamante :				IPLIANCE	r renlacen	ant conform	ns to the rules
of the ASME Code,			icpoit ajo		and topull o			
Type Code Symbol	Stamp N/A							: *
Certificate of Author	zation No. N	VA . 1/			Expiratio	n Date N/A	ι.	
Skaned Xau	'MMAM	AMU :	QA SI	DEC,	_ Date_NC	N. B.a	2003	
	Owner or C	wher's Des	Ignee, Title	)				
	~ ~					··········		
	C	ERTIFIC		NSERVIC	E INSPEC	TION		
I, the undersigned	l, holding a va	alid commis	sion issued	by the Nati	onal Board of	Boller and	I Pressure V	essel
Inspectors and the S					and emplo this Owner's			
to; and	state that to t	the best of r	ny knowled	ige and beli	ef, the Owner	has perfor	med examin	hations and
taken corrective mea Section XI.	asures descrit	ood in this C	)wner's Rej	port in acco	rdance with th	ne requiren	nents of the	ASME Code,
By signing this ce	rtificate, neith	er the Inspe	octor nor his	s employer i	nakes any wa	arranty, exp	pressed or In	nplied,
concerning the exam	inations and	corrective n	neasures de	escribed in t	his Owner's I	Report, Fu	thermore, n	either the
Inspector nor his em kind arising from or o	ployer shall b connected wit	e hable in a h this inspe-	ny manner ction.	for any per	sonal mjury o		Jamage or a	Koss of any
								۲` ۲
NonegeRiter	Sturt	Commis	sions	NC.1169	ABNI			

Inspector's Signature

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National Board, State, Providence and Endorsements

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1.	Owner Address	Duke Power 528 S. Chun	Company ch Street, Charlotte, NC 28	3201-1006		·····		1a. Date 🗸	<u>L/2-03</u> (
	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca; S	.C. 29672					01
	Unit			ared (specify Units		) . 3a. W	ork Orde	r # <u>18374-161</u> Repair Organiz	-36
J.	Address 52	5 S. Church	e Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/	01-1006 A Expiration Date N/A					
4.	Identificatio	n of System∠	ION RESURE INTE Ion Code <u>ANST 831</u> Section XI Utilized for Repe ports.)	TION Class	2	Linn			
5.	(a) Applica		Ion Code <u>ANST 831</u> Section XI Utilized for Repa	7 19 68 Edition 4	Ac	idenda, <u>NA</u>	1000 4		_Code Cases
6.	CC and Identificatio	their sup of Compone	section Al Oulized for Replaced i ports.) ants Repaired or Replaced i	and Replacement Compor	nents	(1992 through	1992 A		
	Co	umn 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	3/R 1- 435C.	538- DE016	DPC	מןא	NA	MIN	2003	Repaired Replaced Replacement	· 🗗 No
В		-	•					Repaired     Replaced     Replacement	No Ves
c								Replaced     Replaced     Replacement	No Ves
D								Repaired     Replaced     Replacement	No Ves
E								Repaired     Replaced     Replaced	No     Yes
F							1	Repaired     Replaced     Replacement	□ No □ Yes

Page 1 of 2

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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.

			6		
7. Description of W	Iork INSTAL	<u>L S/R 1-536</u>	3-435C-D	EOILO	
8. Test Conducted:	: 🛛 Hydłosta	tic Pneumatic	Nominal Operating	Pressure Other	Exempt
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
	Pressure _	psig	Test Temp.	°F	•
9. Remarks	NA				
		(Applicable Manufactu	irer's Data Records to be	Attached)	
We certify that t of the ASME Code			OF COMPLIANCE		ns to the rules
Type Code Symbo	k Stamp N/A				
Certificate of Author	orization No. N/	A	Expiration	on Date N/A	
Signed	Owner or Ow	Ther's Designee, Title	Dete Date	<u>04. 12;200</u> 3	
				· · · · · · · · · · · · · · · · · · ·	
	CE	RTIFICATE OF I	<b>NSERVICE INSPEC</b>	TION	
			by the National Board of		<u>/e</u> ssel
			<u>notion</u> and employed in this Owner		iod 10/1/07
to $\underline{z/4/c4}$ ; and taken corrective m Section XI.	nd state that to the	e best of my knowled	ge and belief, the Owner port in accordance with	r has performed exami	nations and
By signing this concerning the exe	aminations and co molover shall be	prrective measures de liable in any manner	employer makes any v scribed in this Owner's for any personal injury o	Report, Furthermore, r	neither the
Doney CRtu	tusSoughter	Commissions		9ABNI	
Inspector's S	ignature		National Board, State,	FIGADORE AND EDOOLS	CHIONID CHIO

Date\_ 2/4/04

(		
	EODM NIG-2 OWNED'S DEDO	DI ACEMENTS

As Required By The Provisions Of The ASME Code Section XI

1.	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	201-1006				1a. Date /	<u>1-12-03</u> 101
	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca; S.	C. 29672		· .		511061 <u>-</u>	
2a.	Unit	Ø1 □	]2 🔲 3 🗍 Sha	red (specify Units	<u> </u>	) '' 39. Wo	vrk Orde	r # <u>9839414</u> Repair Organiz	1-34
3.	Address 52	8 S. Church 8	Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/	r1-1006 A Expiration Date N/A		3b. NS	SM or MI	Repair Organiz	ation Job # )
4.	Identificatio	n of System	OW PRESSURE INJECTION	✓ Class 2	T. 48	. Zim	_		· ·
5.	(a) Application	ble Constructi	on Code ANST 831. Section XI Utilized for Repa	7 1968 Edition 4	No Addepda	idenda, <u>N/A</u>	7	idenda for Clas	_Code Cases
	CCiand	their sup	ports.) ants Repaired or Replaced a	· · · · ·		(1992 Chrough			
	Col	umn t	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	5/R 1-0 - 6970	4H-R5 1-02	DPC	NIA	NA	iv/A	2003	Repaired Replaced Replacement	· 🖾 No . 🗌 Yes
в		-	4					Repaired     Replaced     Replacement	No Ves
c								Repaired     Replaced     Replacement	No Yes
D								Repaired     Replaced     Replacement	No Ves
E		······································						Repaired     Replaced     Replaced	□ 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.

· ·			6.		
7. Description of Wo	ork <u>MODIFY</u>	5/ <u>R 1-GH-</u> K	25-6970-05	2	
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating	Pressure Other	Exempt
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	۴	•
9. Remarks	NIA		•		. ,
3. Remarks					
	<u></u>	•			
	<u> </u>				
	(Ap	plicable Manufactu	irer's Data Records to be	Attached)	
·····					······
			OF COMPLIANCE		
We certify that th of the ASME Code,		a in the report are	correct and this repair o	r replacement confor	ns to the rules
Type Code Symbol	Stamp N/A				
Certificate of Author	ization No. N/A	. 11	Expiratio	on Date N/A	
Signed	Mana	d on	SOF Day 11-	12-03	
	Owner or Owne	r's Designee, Title	Dale <u>//</u>		
	~ ~				
	CER	<b>TIFICATE OF II</b>	<b>NSERVICE INSPEC</b>	TION	
I, the undersigned	d, holding a valid c	ommission, issued	by the National Board o	Boller and Pressure	/essel
Inspectors and the S			aline and empk		
10 3/4/64 . and	have inspected state that to the b	the components of	lescribed in this Owner's ge and belief, the Owne	s Report during the per	had $10/1/0 < 10$
taken corrective mea	asures described in	this Owner's Rec	port in accordance with t	he requirements of the	ASME Code,
Section XI.					· ·
By signing this co	rtificate, neither the	a Inspector nor his	employer makes any w	arranty, expressed or I	mplied,
Inspector nor his an	ninations and corre	cuve measures of	scribed in this Owner's for any personal injury o	Heport, Furnermore, n	leimer me
kind arising from or	connected with this	s inspection.		- Frehend annuale of c	
1					Ţ
Noney C Retel	& Sleighter c	ommissions	NEIILGABNI		

Inspector's Signature

2/4/04 Date

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1.	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	201-1006				1a. Date <u>//</u>	<u>-12-03</u>
2.	Plant Address	Oconee Nuc 7800 Roche	lear Station ester Hwy. Seneca; S.	C. 29672				Sneet _	01
2a.	Unit					) 3a. W	ork Orde	r # <u>98394/4</u> Repair Organiz	1-32
3.	Address 52	8 S. Church 8	Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/			3b N	- SM or MI	Repair Organiz	zation Job #
4.	•	• •		•	LEM		l'im.	· · · ·	
5.	(a) Applica (b) Applica	ble Construction of	ON <u>PRESSURE INTE</u> on Code <u>ANST B3</u> Section XI Utilized for Repa	1968 Edition, A Irs or Replacements 1989	No Addenda	idenda, (1992 through	1992 A	7 ddenda for Clas	_Code Cases s MC and
			ports.) Ints Repaired or Replaced a	•			· ·	· • • • • •	· · ·
	Co	lumn 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
		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	5/R 1- -0-430	-53B-5- D-HIZ	DPC	NIA	NA	RIEN	2003	Repaired Replaced Replacement	· 🗹 No
в		- ·	• •					Repaired     Replaced     Replaced	No Ves
c				•		•		Repaired     Replaced     Replacement	No Ves
D								Repaired     Replaced     Replacement	No Ves
E								Repaired     Replaced     Replacement	No Ves
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 Wo	ink MODIFY	5/R 1-53	3-5-0-436D-	-1412	
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating		D Exempt
9. Remarks^	Pressure Pressure Pressure J/IA	psig psig psig	Test Temp. Test Temp. Test Temp.	•F •F •F	
	(Ap	piicable Manufactu	irer's Data Records to be	Attached)	<i>\</i>
of the ASME Code,	Section XI.		OF COMPLIANCE correct and this repair o	r replacement confor	ms to the rules
Type Code Symbol	Stamp N/A				
Certificate of Author Signed	Manno	's Designee, Title	Expiratio	n Date N/A <u>N. 12, 200</u> 3	
	÷		•		
Inspectors and the state $\frac{\partial f}{\partial f}$ in $\frac{\partial f}{\partial f}$ is and the state $\frac{\partial f}{\partial f}$ is a state of the sta	d, holding a valid co State or Providence have inspected I state that to the be	ommission issued of <u>Nerth ener</u> the components c est of my knowled	NSERVICE INSPEC by the National Board of and emplo lescribed in this Owner's ge and belief, the Owner port in accordance with the	Boiler and Pressure V yed by <u>HSBC</u> Report during the per has performed exami	iod <u>10/1/03</u> nations and

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.

Slow Commissions. Inspector's Signature

2/4/04

Date

NC1169 ABNI National Board, State, Providence and Endorsements

	=		Ao mequieu	By The Trovisione e			<b></b>		· · · · · · · · · · · · · · · · · · ·
1.	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	201-1006	•			• •	<u>4-2-02</u> 1 of 1
2.	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca, S.	C. 29672				Sneer_	01
2a.	Unit		] 2 🗌 3 👎 🖓 Sha	red (specify Units	. •	)		984375	76
3.	Address 52	6 S. Church	Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/	1-1006 A Expiration Date N/A				r # <u>984325</u> Repair Organi F#130	
4.	Identificatio	n of System_	MAIN STEXN	1 Class2	2				
	(b) Applica CC and	ble Edition of their sup	on Code <u>ASMETTE</u> Section XI Utilized for Repa ports.) ents Repaired or Replaced a	irs or Replacements 1989,	, No Addenda	ddenda, (1992 through			_Code Cases s MC and
<u> </u>	, Co	umn 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	VLV. Im:	5-8Z	CRANE VEZAN	NA	NX	NA	NA	Repaired Replaced Replacement	No Ves
в	VLV IMS	*. 5-82	VEZAN	022039	NA	NA	Zooz	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No No Ves
С	:							Repaired     Replaced     Replacement	No Ves
D								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
E				· · · · · · · · · · · · · · · · · · ·				Repaired     Replaced     Replacement	No Ves
F					1	-		<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves

Page 1 of 2

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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 Wo	rk <u>REPLA</u>	CED VEV	.IMS-82	<u></u>	
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating	Pressure HOther	Exempt
	Pressure _	SO_psig	Test Temp.	Not. °F	
	Prēssure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
9. Remarks PER			IK TESTING +	NDE PER RE	quest
FOR				ASME CODE C	
NA	<u>1-16-1. Ac</u>	ME CODE	E CASE N.41	6.1 APPLIES	To
, <u>We</u>	ZD IMS	<u>-0065-2</u>	18 ONLY.		
TEST No. 12+	-R-(1/5 (Ap	plicable Manufactu	urer's Data Records to be	Attached)	-
		CERTIFICATE	OF COMPLIANCE		 
We certify that the of the ASME Code, a		e in the report are	correct and this repair of	o <mark>r replacement</mark> confor	ms to the rules
Type Code Symbol s	Stamp N/A				
Certificate of Authori	zation Np. N/A	· n	Expiration	on Date N/A	
Signed		r's Designee, Title	DEC. Date N	1 <u>41/2.200</u> Z	
······	ī.		· · · · · · · · · · · · · · · · · · ·		
	CER	<b>TIFICATE OF II</b>	<b>NSERVICE INSPEC</b>	TION	
			by the National Board of		Vessel
Inspectors and the S	itate or Providence	301 beargia	and emplo	byed by	

have inspected the components described in this Owner's Report during the period 1-24-02 to 7-17-02; 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 <u>6A-360 NIC</u>

National Board, State, Providence and Endorsements

Date 7-17-07

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				NER'S REPORT FO By The Provisions				•	
1.		ower Con Church Si	npany ireet, Charlotte, NC 28	201-1006		•••			10-19-03
2.		Nuclear Rocheste	Station er Hwy. Seneca, S.	C. 29672 .				Sheet _	2 of /
	Unit X1	- 🗆 2		red (specify Units		.) 3a. W	ork Orde	r# <u>98594/6</u>	13
3.		irch Stree	wer Company et, Charlotte, NC 2820 A Authorization No. N/A			3b. N	SM or MM	Repair Organi: M #	zation Job #
	; .		) PRESSURE IN		2			:	
5.	<ul><li>(a) Applicable Cons</li><li>(b) Applicable Edition</li></ul>	on of Sect	ion XI Utilized for Repai	19 <u>89</u> Edition, <u>/</u> irs or Replacements 1989	<u>990</u> A 9, No Addenda	ddenda, (1992 through	1992 A	ddenda for Clas	_Code Cases
6.	CC and their Identification of Con			nd Replacement Compo	nents	· · · · · · · · · · · · · · · · · · ·	, ( ) ,		
1	Column 1		Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Compor	nent Na	ime of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
¥ A	VLV. 1- CP-16	•	CRANE	C9881	NA	UTC NO. 1054948	2003	Repaired     Replaced     Replaced     Replacement	□ No X Yes
В	VLV. 1-LP-16	7	POWELL	58150	NA	NA	NA	□ Repaired 図 Replaced □ Replacement	No Ves
С				· .				<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
D			•••	· .				Repaired     Replaced     Replaced     Replacement	No Ves
E	•						:	Repaired     Replaced     Replaced	□ No □ Yes
F								Repaired     Replaced     Replaced     Replacement	No Ves

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Page 1 of 2

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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 KEPLACED VLV, 1-LP-16. Hydrostatic Pneumatic 
 Nominal Operating Pressure Other 8. Test Conducted: Exempt psia Test Temp. 1 Pressure Test Temp. ٩F Pressure psig Test Temp. Pressure psig EAKTEST + NDE PER XEME III ARM 9. Remarks (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/ **Expiration Date N/A** Date NOV. 12 200 Sianeá 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 LAROLINA and employed by HSB LT

have inspected the components described in this Owner's Report during the period <u>7-2-03</u> to <u>11/13/03</u>; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions\_NCHAANTABL

Inspector's Signature

Date\_1/13/03

National Board, State, Providence and Endorsements

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

Pg. 1 of 2

1.	Manufactured and cer	tified by	CRANE Nuclear, Inc., 860 Re (name and a	mington Boulevard, Bolingbro odress of N Certificate Holder)	ok, IL 60440
· 2.	Manufactured for	uke Energy Corporat	ion, PO Box 1015, Charlotte, I (name and addre	NC 28201-1015	
3.	Location of installation	Oconee Nuclear S	Station, Highway 183, Seneca	SC 29678 and address)	
4.	Model No., Series No.,	or Type 1 2355-1	2H-CF8M-WE(10S) Drawin	ng <u>CC02523</u> Rev.	<u> </u>
5.	ASME Code, Section	III, Division 1:	1989 V	1990 2 (addenda date) (class)	N/A (Code Case no.)
. 6.	Pump or valve	Gate Valve	Nominal inlet size	4 Outlet siz	
7.	Material:	-	V	V	** Studs: SA193 B7
	(a) valve Body	SA351, CF8M	Bonnet SA351, CF8M	Disk SA351, CF8	
	(b) pump Casting		Cover	Bolting	_
	(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body/Casing Serial No.	(d) Bonnet/Cover Serial No.	(e) Disk Serial No.
	C9881	N/A	C9914	C9892	C9906
	C9883 C9884	N/A N/A	C9912 C9913	C9894 C9895	C9905 C9907
÷	······				
					·
	<u>i</u>				
				······································	
	/				
$\angle$	<b></b>		·		······································

\* 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 at the top of this form

This form (E00037) may be obtained from the Order Dept ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

## FORM NPV-1 (Back) --- Pg. 2 of 2

Certificate Holder's Serial No.

C9881, C9883, C9884

8	Design conditions	560 (pressure	_ psi	300 (temperature)		we piess	sure class		
9.	Cold working pressure	. 720		psi at 120°F	•				
	Hydrostatic		•			•			
10.	test	1100	psi.	Disk different	ial test pressu	ire	795	5	_ psi
11.		N 41905 003, SC	) No. 11911	I-01, 4" Gate Va	lve with Limit	orque SI	MB-00-15 Op	erator	
	Duke Item No. DMV-129 Bonnet Leak-Off Pipe N		11. Bonnet I	Leak-Off Pipe N	ipple Cap: Ht.	#JDZ	···		
	Low Pressure Injection	System							
	Reworked per PO NO. N	IM 9350, SO NA.	14/08-03						•
			···· - <u>-</u>						
	-		CERTIFIC	ATION OF DES	IGN				
Desi	gn Specifications certified	byR	loyce L. Wil	liams	P.E. State	NC	Reg. no.	8010	
Desi	gn Report certified by		N/A		P.E. State	N/A	Reg. no.	N/A	
	· · · · · ·		· · · · · ·		, 				
	ertify that the statements and ASME Code, Section III,	made in this repo	Int are corre	TE OF COMPLI	oump or valve	conform	is to the rules	s for construc	tion
of the		made in this repo Division 1.	nt are corre	ct and that this p	oump or valve _ Expires		ns to the rules mber 24, 200		tion
of the N Ce	e ASME Code, Section III,	made in this repo Division 1.		ct and that this p 99 clear, Inc.	_ Expires Signed (		mber 24, 200		
of the N Ce	e ASME Code, Section III,	made in this repo Division 1.	N-28	ct and that this p 99 clear, Inc.	_ Expires Signed (	Septer	mber 24, 200	15	
of the N Ce	e ASME Code, Section III,	made in this repor Division 1.	N-28 CRANE Nu (N Ceruicat	ct and that this p 99 clear, Inc.	_ Expires	Septer	mber 24, 200	15	
of the N Ce Date	e ASME Code, Section III,	made in this repor Division 1.	N-28 CRANE Nu (N Certificat	ct and that this p 99 clear, Inc. Holder) TE OF INSPEC	_ Expires _ Signed _	Septer	mber 24, 200	15 ienor QA Engine	er
of the N Ce Date	e ASME Code, Section III, entificate of Authorization N January 24, 2003 undersigned, holding a va e or Province of	made in this repor Division 1.	N-28 CRANE Nu (N Certificat CERTIFICA ssued by the	ct and that this p 99 clear, Inc. He Hoker) TE OF INSPEC e National Board d by	_ Expires _ Signed TION d of Boiler and	Septer Jerome	rust wst, 200	pectors and	er the
of the N Ce Date	e ASME Code, Section III, entificate of Authorization N January 24, 2003 undersigned, holding a va or Province of Hartford, CT	made in this repor Division 1.	N-28 CRANE Nu (N Centricat CERTIFICA ssued by the ad employed the pump, c	ct and that this p 99 clear, Inc. Ne Holder) TE OF INSPEC e National Board d by or valve, describe	_ Expires _ Signed TION d of Boiler and ed in this Dat	Septer Jarong C Pressu HSB ta Report	mber 24, 200	spectors and	er the 3
of the N Ce Date	e ASME Code, Section III, entificate of Authorization N January 24, 2003 undersigned, holding a va e or Province of	made in this repor Division 1.	N-28 CRANE Nu (N Centricat CERTIFICA ssued by the ad employed the pump, c	ct and that this p 99 clear, Inc. Ne Holder) TE OF INSPEC e National Board d by or valve, describe	_ Expires _ Signed TION d of Boiler and ed in this Dat	Septer Jarong C Pressu HSB ta Report	mber 24, 200	spectors and	er the 3
of the N Ce Date	e ASME Code, Section III, entificate of Authorization N January 24, 2003 undersigned, holding a va or Province of Hartford, CT state that to the best of m	made in this repor Division 1.	N-28 CRANE Nu (N Centricat CERTIFICA ssued by the ad employed the pump, c	ct and that this p 99 clear, Inc. Ne Holder) TE OF INSPEC e National Board d by or valve, describe	_ Expires _ Signed TION d of Boiler and ed in this Dat	Septer Jarong C Pressu HSB ta Report	mber 24, 200	spectors and	er the 3
of the N Ce Date I, the State of and with t	e ASME Code, Section III, entificate of Authorization N January 24, 2003 undersigned, holding a va or Province of Hartford, CT state that to the best of my the ASME Code, Section I gning this certificate, neith	made in this repor Division 1.	N-28 CRANE Nu (N Ceruical CERTIFICA ssued by the ad employed the pump, c belief, the (	ct and that this p 99 clear, Inc. TE OF INSPEC e National Board d by cr valve, describe Certificate Holde	_ Expires _ Signed _ TION d of Boiler and ed in this Date er has constru	Septer Jerome Jerome HSB ta Report toted this pressed	re Vessel Ins CT t on Jan or implied, co	spectors and uuary 24, 200 live, in accor	the 3
of the N Ce Date I, the State of and with the By si comp	e ASME Code, Section III, entificate of Authorization N January 24, 2003 undersigned, holding a va or Province of Hartford, CT state that to the best of m the ASME Code, Section I gning this certificate, neith bonent described in this Da	made in this repor Division 1.	N-28 CRANE Nu (N Cerrificat CERTIFICA ssued by the ad employed the pump, c belief, the ( belief, the (	ct and that this p 99 clear, Inc. TE OF INSPEC e National Board d by cr valve, describe Certificate Holde	_ Expires _ Signed _ Signed TION d of Boiler and ed in this Date er has constru- warranty, ex- or nor his emp	Septer Jarone Jarone HSB ta Report toted this pressed	re Vessel Ins CT t on Jan pump, or va	spectors and uuary 24, 200 live, in accor	the 3
of the N Ce Date I, the State of and with t By si comp	e ASME Code, Section III, entificate of Authorization N January 24, 2003 undersigned, holding a va or Province of Hartford, CT state that to the best of my the ASME Code, Section I gning this certificate, neith	made in this repor Division 1.	N-28 CRANE Nu (N Cerrificat CERTIFICA ssued by the ad employed the pump, c belief, the ( belief, the (	ct and that this p 99 clear, Inc. TE OF INSPEC e National Board d by cr valve, describe Certificate Holde	_ Expires _ Signed _ Signed TION d of Boiler and ed in this Date er has constru- warranty, ex- or nor his emp	Septer Jarone Jarone HSB ta Report toted this pressed	re Vessel Ins CT t on Jan pump, or va	spectors and uuary 24, 200 live, in accor	the 3
of the N Ce Date I, the State of and with t By si comp	e ASME Code, Section III, entificate of Authorization N January 24, 2003 undersigned, holding a va or Province of Hartford, CT state that to the best of m the ASME Code, Section I gning this certificate, neith bonent described in this Da	made in this repor Division 1.	N-28 CRANE Nu (N Cerrificat CERTIFICA ssued by the ad employed the pump, c belief, the ( belief, the (	ct and that this p 99 clear, Inc. TE OF INSPEC e National Board d by cr valve, describe Certificate Holde	_ Expires _ Signed _ Signed TION d of Boiler and ed in this Date er has constru- warranty, ex- or nor his emp	Septer Jarone Jarone HSB ta Report toted this pressed	re Vessel Ins CT t on Jan pump, or va	spectors and uuary 24, 200 live, in accor	the 3
of the N Ce Date I, the State of and with t By si comp	e ASME Code, Section III, entificate of Authorization N 	made in this repor Division 1.	N-28 CRANE Nu (N Cerulicat CERTIFICA ssued by the ad employed the pump, c belief, the 0 hor his employed the pump, c	ct and that this p 99 clear, Inc. TE OF INSPEC e National Board d by cr valve, describe Certificate Holde	_ Expires _ Signed _ TION d of Boiler and ed in this Date of has constru- warranty, ex- or nor his emp onnected with	Septer Jerome X d Pressu HSB ta Report for this pressed ployer sh this insp	re Vessel Ins CT t on Jan pump, or va	spectors and uary 24, 200 live, in accor	er the 33, dance

1.	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· ·	4-2-02	
2.	Plant Address	Oconee Nucl 7800 Roch	lear Station ester Hwy. Seneca, S.	c. 29672				Sheet	_ of
2a.	Unit	<b>⊠</b> 1 □	] 2 🗌 3 🤚 "🗋 Sha	red (specify Units		) ' '		# 984325	74
3.	Address 52	6 S. Church S	Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/	A. Expiration Date N/A		3a. w		Repair Organiz 1306	ation Job #
<del>-X</del> 5.	(a) Applica (b) Applica (b) Applica	ble Edition of their sup	on Code <u>AGME TT</u> Section XI Utilized for Repa	irs or Replacements 198	<u>/990</u> Ac 39, No Addenda	idenda,/ (1992 through	VA 1992 Ad	idenda for Clas	_Code Cases s MC and
	<u></u>	lumn 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	VLU. IMS	5-17	CRANE	NA	NA	NA	NA	Repaired Replaced Replacement	X No Ves
в	VLV. Im:	5-17*	VEZAN	012198	NA	NHA	2002	□ Repaired □ Replaced 爻 Replacement	⊠ No □ Yes
С	VLV. IM.	5-36	CRANE	NA	·WA	NA	NA	Repaired Replaced Replacement	No Ves
D	VLV. IMS	5- <i>36</i> *	VEZAN	012196	NA	NA	2002	Repaired     Replaced     X Replacement	Ø No □ Yes
E		$\star\star$	D.P.Co.	NA	NX	NA	7/67	Repaired     Replaced     Replacement	X No Ves
F		•						<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Yes

Page 1 of 2

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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 VILV'S IMS-19+36 + PIPING.
8. Test Conducted: 🗌 Hydrostatic 🗌 Pneumatic 🗌 Nominal Operating Pressure 🖾 Other 🔲 Exempt
Pressure <u>\$60</u> psig Test Temp. <u>N.O.T.</u> °F Pressurepsig Test Temp °F Pressurepsig Test Temp °F 9. Remarks <u>PERFORMED SYS</u> , <u>LEAK TEST + NDE FER REGUEST</u> <u>FOR RELIEF A.B. 2001-013 REV. 1.</u> <u>TEST NO. [2FR-[0]5</u>
(Applicable Manufacturer's Data Records to be Attached) W.O.98432524-68
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 C Expiration Date N/A Signed AUTHOR OF OWNER'S Designee, Title
<u></u>

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 \_\_\_\_\_\_\_\_ and employed by \_\_/<del>//S.B.C.T</del>\_\_\_\_\_\_ \_\_\_\_\_\_\_ have inspected the components described in this Owner's Report during the period \_\_\_\_\_\_\_ to \_\_\_\_\_\_; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied

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

Date 7-17-02

Commissions 6A-360 NIC

National Board, State, Providence and Endorsements

1a. Date <u>4-11-02</u> 1. Owner Duke Power Company 526 S. Church Street, Charlotte, NC 28201-1006 Address Sheet \_\_\_\_\_ of 3 2. Plant **Oconee Nuclear Station** Address 7800 Rochester Hwy. Seneca, S.C. 29672 <sup>1</sup> '□'Shared (specify Units\_\_\_\_ **□**3  $\boxtimes 1$  $\square 2$ 2a. Unit <u>787-32527</u> Repair Organization Job # 3a. Work Order # \_ 3. Work Performed By Duke Power Company Address 526 S. Church Street, Charlotte, NC 28201-1006 3b. NSN or MM # \_\_\_\_\_13067 Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A MAIN STEAM Class 4. Identification of System\_ 5. (a) Applicable Construction Code ASME TTE × 1989 Edition, 1990 Code Cases Addenda. (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 7 Column 3 Column 2 Column 4 Column 5 Col. 6 Column 8 Column 1 ASME Code National Repaired. Manufacturer Other Year Name of Component Name of Manufacturer Replaced, or Stamped Board Identification Serial Number Built Number Replacement (yes or no) Repaired VLV. CRANE Ø No KIA NA NA A Replaced 'MS-26 Π Yes Replacement Repaired No VEZAN NA B ms-26 Replaced 022036 П Yes Replacement Repaired Ø \* No 022042 VELAN КĄ С 2002 Replaced NA ms-33 Π Yes Replacement Repaired Replaced Replacement মি CRANE No NA ` NA NA  $\mathcal{N}\mathcal{P}$ D <u>'MS-33</u> Yes Repaired  $\mathbf{b}$ No ŇÅ NA ŇA Ε NA Replaced '*MS-76* Π Yes Replacement \* □ Repaired X-No WA NH VELX 022030 2002 Replaced Replacement F Yes

Page 1 of 2

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7. Description of Work	REP	LACED VLV	s 1m5-26,	33496			
8. Test Conducted:		atic - D Pneumatic	Nominal Operating	Pressure XI Other	Exempt		
	Pressure	<u>885</u> psig	Test Temp.	N.O.TF			
	Pressure	psig	Test Temp.	°F			
	Pressure	psig	Test Temp.	•F			
9. Remarks	FORM	ED SYS. LE	NK TEST & N	JDE PER R	EQUEST		
FOR	RELI	EF.No. ZOU	01-013 REV.	1			
TEST	-No. /	2FR-615					
W.O. 98435	2524-	(Applicable Manufactu	irer's Data Records to be	Attached)			
		CERTIFICATE	OF COMPLIANCE				
We certify that the soft the ASME Code, So		made in the report are	correct and this repair o	r replacement conform	ns to the rules		
Type Code Symbol St	amp N/A						
Certificate of Authoriza	ation No. N	VA //	Expiratio	n Date N/A			
Signed	signed XMIMINIAMACAL OA SOLC. Date MPU 2, 2002						
	Ownergro	wner's Designee, Title					

#### **CERTIFICATE OF INSERVICE INSPECTION**

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

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Commissions 6A 360 NIC

National Board, State, Providence and Endorsements

Date 7-17-02

	·	As Required	By The Provisions C	I I I I I I I I I I I I I I I I I I I	E Code Section	XI	·. · _	٩
1.	Owner Duke Power Address 526 S. Churc	Company h Street, Charlotte, NC 28			1a. Date <u></u>	4-11-02 Z of 3		
2.	Plant Oconee Nucl Address 7800 Roche	ear Station ester Hwy. Séneca; S.	C. 29672	1 .			Sneet _	
2a.	Unit 🕅 1 🔲	2 🗌 3 🤚 🗂 Sha	red (specify Units	<b></b>	) 3a. W	ork Orde	r # <u>984325</u> Repair Organiz	524
3.		Power Company Street, Charlotte, NC 2820 N/A Authorization No. N/			E E		Repair Organiz	
4.	Identification of System	MAIN STEAM	ClassZ		•		· ·	
5.	<ul> <li>(a) Applicable Construction</li> <li>(b) Applicable Edition of S</li> <li>CC and their supplicable</li> </ul>	on Code <u>ISME TTL</u> Section XI Utilized for Repa	$\underline{*}$ 19 <u>89</u> Edition, <u>19</u> irs or Replacements 1989,	No Addenda	ddenda, (1992 through	1992 A		_Code Cases s MC and
6.		nts Repaired or Replaced a	nd Replacement Compone	ents	• •			
	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	VLV. 1MS-84.	CRANE	NA	NA.	NA	NA	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
в	VLV. 1 1115-84	VEZAN	022040	NA	NA	2002	Repaired Replaced Replacement	🖄 No 🗌 Yes
c	$1 \sqrt{J/J}$	CRANE	6466	NA	NA	NA	Repaired     Replaced     Replaced     Replacement	No Ves
D	1//1/	VEZAD	022041	NA	NA .	100Z	Repaired     Replaced     Replacement	X No
E	VLV. 11/15.35	CRANE	49083	NA	NA	NA	Repaired     Replaced     Replacement	X No
F	VLV. * 1M5-35	-VELAN	012188	NA	NA	Zooz	Repaired     Replaced     Replacement	X No

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#### **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  $\underline{6 \times 0 \times 0}$  and employed by  $\underline{1158 \times 7}$ have inspected the components described in this Owner's Report during the period  $\underline{1-29-02}$  to  $\underline{7-17-02}$ ; 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 makes any warranty or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions 67360 NIC

National Board, State, Providence and Endorsements

Date 7-17-02

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

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As Required By The Provisions Of The ASME Code Section XI

1.									
2.		Plant Oconee Nuclear Station							
	Unit 🕅 1	3a. Work Order # <u>98432524</u>							
З.	Address 526 S. C	hurch	Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/					Hepair Organiz	
4. 5.	(a) Applicable C (b) Applicable E	Identification of System <u>MAID</u> STEXM Class <u>2</u> X X ANS   B31. 1-7/1967 SME TH X 19.89 Edition, <u>1990</u> Addenda, <u>NA</u> Code Cases (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and							
6.	CC and the Identification of C		ents Repaired or Replaced	and Replacement Compon	ents	· • ·			
	Column 1		Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Com	oonent	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VLV. IMS-1	9	CRANE	0AZ2064-0	NA NA	NHA	NA	☐ Repaired	No Ves
в	1115-1	79*	VELAN	022031	NA	NA	2002	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
Ċ		- <del>**</del> *	D.P.Co.	NA	NA	N/A	7/73	Repaired     Replaced     Replacement	Ø No □ Yes
D						:	-	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
E								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
F								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes

Page 1 of 2

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 Wo	ork_REP	LACED VIV.	1m5-99	+ Pipi	NG-	
		static Pneumatic		,		Exempt
	Pressure	<u>880</u> psig	Test T	emp. <u>N. c</u>	0.1. °F	
	Prēssure	psig	Test T	emp	°F	
	Pressure	psig	Test Te	emp	۴°	
9. Remarks PE	RFORM	ED 545. LE	AK TEST	FNDET	PERRE	PUEST
Fo	R REL	JEF No. ZO	<u>101-013.</u>	Zev. 1.		
150	TNO.1	2FR-1015				
W.O.98	432525	- (Applicable Manufact	urer's Data Record	s to be Attached	1)	 ,
[		CERTIFICATE	OF COMPLIA	NCE		
We certify that th of the ASME Code,		made in the report are	correct and this re	pair or replac	ement conforr	ns to the rules
Type Code Symbol	Stamp N/A					
Certificate of Author Signed	11(11/1a)	NA MADON Dwner's Designee, Title	SDEC. Dat	xpiration Date N te/NAC	VA 2002	_
r	<i></i> ء	·			······································	······································

#### **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 <u>beargen</u> and employed by <u>Hescr</u>

have inspected the components described in this Owner's Report during the period  $1-29-0 \ge$  to  $-7-17-0 \ge$ ; 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 6A 360 NIC

Date 7-17-02

National Board, State, Providence and Endorsements

		$\langle$		. '		÷			(	
					NER'S REPORT FOR By The Provisions O		,			
		Owner Address	Duke Power 526 S. Churc	Company h Street, Charlotte, NC 28	3201-1006		• •	· · ·	• –	11-19-03 L of Z
		Plant Address	<sup>1</sup> Oconee Nucl 7800 Roche	ester Hwy. Seneca; S.			•		Sneet _	
	2a.	Unit	Å1 ⊂	2 🗆 3 👘 🗖 Sha	red (specify Units		.) 	ork Orde	* 98538	193
		Address 5	26 S. Church S	Power Company Street, Charlotte, NC 2820 N/A Authorization No. N/			36. NS	SM dr MM	Repair Organiz 1 #	3
	4.	Identificat	ion of System	OW PRESSURE IN	UECTIONelass /	<u>Z</u> *	ASME III I	9868	DITION + 198	38 Adlerdx
	5.	(b) Applic	able Edition of	on Code	19 53 Edition, lirs or Replacements 1989,	7 <u>984</u> A No Addenda	ddenda, (1992 through	1992 A	idenda for Clas	_Code Cases s MC and
	6.		nd their sup ion of Compone		and Replacement Compone	ints				и
		. c	olumn 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
1		Name c	f Component	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
<del>XX</del>	A	VLV. 1Li	P-179	VEDAN	032051	NA	UTC# 10605420	2003	Repaired     Replaced     Replaced     Replacement	No Yes
<b>*</b> *	В	VLV. ILF	2-178	VELAN	032052	NA	UTC# 1060543 c	2003	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No V Yes
ХX	С	VLU. 1LI	2-176	VELAN .	032049	NA	UTE# 1060727	7003	Repaired Replaced Replacement	No Ves
Х¥	D	VLV. ILI	0-177	VELAN	032048	NA	UTC# 1060726	2003	Repaired     Replaced     Replaced     Replacement	No Ves
*	E	VLU. ILPT-	FEODOG	DRAG VALUE	101137-010-1	61	1000551	7003	Repaired     Replaced     Replacement	Ves
*	F	VII. ILPI-	FE0007		101137-010-2	62	UTC# 1060560	2003	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves

Page 1 of 2

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.

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• • •	All interne	
7. Description of Wo	rk/CCEDVLISILPI	176, 177, 178, 179 + FLOW RESTRICTORS
8. Test Conducted:	DPI-FE0006+7 +7 □ Hydrostatic □ Pneumatic	Nominal Operating Pressure  Other  Exempt
	Pressure <u>448</u> psig	Test Temp. <u>NO.T</u> °F
	Pressure psig	Test Temp °F
, · · ·	Pressure psig	Test Temp °F
9. Remarks	FORMEN SYS. LEAK	TEST & NDE PER ASME CODE CASE
· N-	416-1.	
TES	TNO. 12 FRN-1	276
	(Applicable Manufact	urer's Data Records to be Attached)
r		· · · · · · · · · · · · · · · · · · ·
of the ASME Code,		correct and this repair or replacement conforms to the rules
Type Code Symbol	•	
	·	Expiration Date N/A
Certificate of Author	zaugo no. N/A	
Signed X UM	Owner or Owner's Designee, Title	HC. Date DELIS 2003
	<b>.</b>	
· !		NSERVICE INSPECTION
I, the undersigned	d, holding a valid commission issued	by the National Board of Boiler and Pressure Vessel
inspectors and the S	State or Providence of North Chin	line and employed by HSB CT

have inspected the components described in this Owner's Report during the period  $\frac{3/15/03}{15/03}$ ; 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.

The Commissions Inspector's Signature

12/15/03

Date

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National Board, State, Providence and Endorsements

Page 2 of 2 2.3

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			/NER'S REPORT FOR By The Provisions C					
1.	Owner Duke Power Address 526 S. Churc	Company ch Street, Charlotte, NC 28	3201-1006				1a. Date Z	<u>1/-19-03</u> Z of Z
2.	. Plant <sup>1</sup> Oconee Nuclear Station Address 7800 Rochester Hwy. Seneca, S.C. 29672							
	· · ·	]2 🔲 3 <sup>   1</sup>    Sha	red (specify Units		) 3a. W	ork Orde	r# <u>98538</u>	193
3.		e Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/			3b. 🕅	Mor MM	Repair Organiz	2ation Job #
	Identification of System		NJETTAchess/42		•			
5.	(D) Applicable Edition of	on Code <u>ANSI BS/.</u> Section XI Utilized for Repa	19/68 Edition, 9/1 lirs or Replacements 1989,	1 <u>968</u> Ad No Addenda	ddenda, (1992 through	NA 1992 A	ddenda for Clas	_Code Cases s MC and
6.	CC and their sup Identification of Compone	ports.) ents Repaired or Replaced a	and Replacement Compon	ents		, · ·		
	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	D. P. Co.	NA	NX	NA	7/73	Repaired     Replaced     Replacement	⊠ No □ Yes
в		•					Repaired     Replaced     Replacement	No Ves
c							Repaired     Replaced     Replacement	No Yes
D							Repaired     Replaced     Replacement	□ No □ Yes
E							Repaired     Replaced     Replacement	√□ No □ Yes
F							Repaired     Replaced     Replacement	□ No □ Yes

Page 1 of 2

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.

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7. Description of Wor	KSEE PAGE / OF Z
8. Test Conducted:	□ Hydrostatic □ Pneumatic Ø Nominal Operating Pressure □ Other □ Exempt Pressure <u>440</u> psig Test Temp. <u>N.0, T</u> •F
	Pressurepsig Test Temp °F
	Pressurepsig Test Temp °F
9. Remarks PER	FORMED SYS LEAK TEST & NDE PER ASME CODE
CAS	EN-416-1,
TES	T16.12FRN-676
	(Applicable Manufacturer's Data Records to be Attached)
ſ	CERTIFICATE OF COMPLIANCE
We certify that the of the ASME Code, S	e statements made in the report are correct and this repair or replacement conforms to the rules
Type Code Symbol S	Stamp N/A
Certificate of Authori Signed	Zation No. N/A . Expiration Date N/A MASAC. Date <u>NC. 15,3003</u> Owner or Owner's Designee, Title
i i	
I, the undersigned	CERTIFICATE OF INSERVICE INSPECTION holding a valid commission issued by the National Board of Boller and Pressure Vessel

Inspectors and the State or Providence of North Contenue and employed by. have inspected the components described in this Owner's Report during the period <u>5/15/03</u> to 12/15/03; 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.

Commissions Inspector's Signature 12/15/03

Date

National Board, State, Providence and Endorsements

Page 2 of 2

1/19/03 WED 16:04 F	AX 864 885 4001	OCONEE QA		2 002
	UTC <sup>#</sup>	1060542		
× ,	N	m12427		• •
$\cup$		Page - 3	#0320	51
		RS' DATA REPORT FOR	ection III, Division 1	R VALVES *
1. Manufactured a	nd certified by VE	ANINC. 550 McAnhurs	St., Montreal_Quebec_I	HAT 1X8 CANADA
		(name and add POCONFE. NUCLEAR_ST	lress of N Certificate Holder)	
			address of purchaser)	-
			and address)	
5. ASME Code, Sco	tioh III, Division		MTER-1984 - 2 Idenda duk) (clas	s) (Code Case no.)
<pre>6. Pump or valve: (in.)</pre>	GATE_VLV: G/O_N	ominal inlet size —	10" V outlet size	
	· · ·	_SA182_F316_ Wedge -	_	ng SA <u>564 GR-630</u> )& SA-194 GR-8M
(a)	(b)	(c)	(d)	. (c)
Cert. Holder's	Nat'l Board	Body Serial	Bonnet Serial	Wedge Serial
SerialNo.	No.	No.	No.	No
#032051	N/A	2500	16297	6619
,	HEAT / TEST LOT:	(P-17002)	738967 59287	74075)/59287
······································				
	(f) EQUAL. PIPE Mat'1.: SA-312	Pipe Code: 2DFJ HEAT No. 438052		······································
	S/S 316L	·······		
·				
·,			<u> </u>	······································
<u></u>		·		
		······································		······································
		·	·····	······
	<u> </u>		•	<u> </u>
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\*Supplemental information in 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 at the top of this form.

Ler88)

This form (E00037) may be obtained from the Order Dept, ASME, 22 LAW DRIVE & BOX 2300 Fairfield, NJ 07007-2300.

L/19/03 WED 16:04 FAX	864 885 4001	OCONEE_QA	
/19/03 1120 2000 -		· •	
, - · , ~			
	FORM NPV-	-1 (Back - Pg. 2 of	2_) Page - 4
		Certificate Bolder's Seri	"1 No. <u>#032051</u>
8. Design conditions 9. Cold working pressu	(pressure)	(temperature)	oressure class1500# (1)
10. Hydrostatic test S	hell:5400p	osig. Wedge differential test (	pressureN/Aps
11. Remarks: _MATER	IALS TO ASME SEC.	<u>IL PART-A_CODE EDITION 19</u>	995_ADDENDA: 1996
······································	· · · · · · · · · · · · · · · · · · ·		
	CE	ERTIFICATE OF DESIGN	
Design Specification cer Design report certified b	tified byBoxtonle yS_ISB/TSP	COV Peele Jr. P.E. State S.C. U CY P.E. State OUEC	ISA Reg.no#7076 CANADA Reg. no #22115
[	CER	MIRCATE OF COMPLIANCE	

ار	We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.
	N Certificate of Authorization NoN2797-2 (N) ExpiresAPRIL 20, 2014
	Date Name VELAN INC Signed Cold Signed Cold (N Certificate Holder) (authorized representative)

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 <u>OUEBEC</u> and employed by <u>REGIE DU BATIMENT</u> of <u>OUEBEC</u> have inspected the pump, or valve, described in this Data Report on <u>August 20</u> , and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, 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 of property damage or a loss of any kind arising from or connected with this Inspection. Date Aug28 Ross signed 100 000 000 000 000 000 000 000 000 00

(1) For manually operated valves only.

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1 /1 0	9/03 WED 16:05 FAX	864 885 4001	OCONEE QA		læ 004
.,		U	TC# /0605	-43 ·	•••
· .	4		NMI2427		
			Page - 3	#0320	52 ·
			rage 5		
			RS' DATA REPORT FOR		R VALVES *
	As Req	luired by the Provision	ns of the ASME Code, S		1 of <u>2</u>
•	<u> </u>				
				fress of N Certificate Holder)	
	2. Manufactured f	OT_DUKE_ENERGY_COP	2P. OCONEE NUCLEAR ST (rame and	CA_7ADD_BOCHESTER. P address of purchaser)	tay_seneca_lisa
	3. Location of in	stallation OCONEE_	NUCLEAR STATION 155		\$C_39672_USA
	4. Model No., Scries	No., or Type: B15-3054	(name B-13PS_ DrawingP01	and address) 12-282830-N01 Rev	
			ر د د د د د	~	N/A
		tion III, Division	(edition) (ac	NTER-19842 Idendu date) (clas	s) (Code Case no.)
			fominal inlet sizc	<u>10"</u> Outlet size	10"
	(in) 7. Mat'l.: Body S	(in.) SA182_E316_ Bonnet	_SA182_F316_ Wedge -	SA182_F316 Boltin	SA564 GR-630
	-		-		& SA-194 GR-8M
	(a)	(b)	(c)	(d)	(c) Madra
	(a) Cert. Holder's	(b) Nat'l Board	(c) Body Serial	(d) Bonnet Serial	(c) Wedge Scrial
	Cert.	Nat'l	Body	Bonnet	Wedge
	Cert. Holder's	Nat'l Board	Body Serial	Bonnet Serial	Wedge Scrial
	Cert. Holder's SerialNo.	Nat'l Board No.	Body Serial No.	Bonnet Serial No.	Wedge Serial No. 6622
	Cert. Holder's SerialNo.	Nat'l Board No. <u>N/A</u> <u>HEAT / TEST LOT:</u>	Body Serial No. 2503 (P-17002)	Bonnet Serial No. 	Wedge Scrial No. 6622
	Cert. Holder's SerialNo.	Nat'l Board No. <u>N/A</u> <u>HEAT / TEST LOT:</u> (f) EQUAL. PIFE	Body Serial No. 2503 (P-17002) PIFE CODE: 2DFJ	Bonnet Serial No. 	Wedge Scrial No. 6622
	Cert. Holder's SerialNo.	Nat'l Board No. <u>N/A</u> <u>HEAT / TEST LOT:</u>	Body Serial No. 2503 (P.17002) PIPE CODE: 2DFJ	Bonnet Serial No. 	Wedge Scrial No. 6622
	Cert. Holder's SerialNo.	Nat'l Board No. <u>N/A</u> <u>HEAT / TEST LOT:</u> (f) EQUAL. PIFE Mat'l.: SA-312	Body Serial No. 2503 (P-17002) PIFE CODE: 2DFJ	Bonnet Serial No. 	Wedge Scrial No. 6622
	Cert. Holder's SerialNo.	Nat'l Board No. <u>N/A</u> <u>HEAT / TEST LOT:</u> (f) EQUAL. PIFE Mat'l.: SA-312	Body Serial No. 2503 (P-17002) PIFE CODE: 2DFJ	Bonnet Serial No. 	Wedge Scrial No. 6622
	Cert. Holder's SerialNo.	Nat'l Board No. <u>N/A</u> <u>HEAT / TEST LOT:</u> (f) EQUAL. PIFE Mat'l.: SA-312	Body Serial No. 2503 (P-17002) PIFE CODE: 2DFJ	Bonnet Serial No. 	Wedge Scrial No. 6622
	Cert. Holder's SerialNo.	Nat'l Board No. <u>N/A</u> <u>HEAT / TEST LOT:</u> (f) EQUAL. PIFE Mat'l.: SA-312	Body Serial No. 2503 (P-17002) PIFE CODE: 2DFJ	Bonnet Serial No. 	Wedge Scrial No. 6622
	Cert. Holder's SerialNo.	Nat'l Board No. <u>N/A</u> <u>HEAT / TEST LOT:</u> (f) EQUAL. PIFE Mat'l.: SA-312	Body Serial No. 2503 (P-17002) PIFE CODE: 2DFJ	Bonnet Serial No. 	Wedge Serial No. 6622
	Cert. Holder's SerialNo.	Nat'l Board No. <u>N/A</u> <u>HEAT / TEST LOT:</u> (f) EQUAL. PIFE Mat'l.: SA-312	Body Serial No. 2503 (P-17002) PIFE CODE: 2DFJ	Bonnet Serial No. 	Wedge Serial No. 6622
	Cert. Holder's SerialNo.	Nat'l Board No. <u>N/A</u> <u>HEAT / TEST LOT:</u> (f) EQUAL. PIFE Mat'l.: SA-312	Body Serial No. 2503 (P-17002) PIFE CODE: 2DFJ	Bonnet Serial No. 	Wedge Serial No. 6622
	Cert. Holder's SerialNo.	Nat'l Board No. <u>N/A</u> <u>HEAT / TEST LOT:</u> (f) EQUAL. PIFE Mat'l.: SA-312	Body Serial No. 2503 (P-17002) PIFE CODE: 2DFJ	Bonnet Serial No. 	Wedge Serial No. 6622
	Cert. Holder's SerialNo.	Nat'l Board No. <u>N/A</u> <u>HEAT / TEST LOT:</u> (f) EQUAL. PIFE Mat'l.: SA-312	Body Serial No. 2503 (P-17002) PIFE CODE: 2DFJ	Bonnet Serial No. 	Wedge Serial No. 6622
	Cert. Holder's SerialNo.	Nat'l Board No. <u>N/A</u> <u>HEAT / TEST LOT:</u> (f) EQUAL. PIFE Mat'l.: SA-312	Body Serial No. 2503 (P-17002) PIFE CODE: 2DFJ	Bonnet Serial No. 	Wedge Serial No. 6622
	Cert. Holder's SerialNo.	Nat'l Board No. <u>N/A</u> <u>HEAT / TEST LOT:</u> (f) EQUAL. PIFE Mat'l.: SA-312	Body Serial No. 2503 (P-17002) PIFE CODE: 2DFJ	Bonnet Serial No. 	Wedge Serial No.
	Cert. Holder's SerialNo.	Nat'l Board No. <u>N/A</u> <u>HEAT / TEST LOT:</u> (f) EQUAL. PIFE Mat'l.: SA-312	Body Serial No. 2503 (P-17002) PIFE CODE: 2DFJ	Bonnet Serial No. 	Wedge Serial No. 6622

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This form (E00037) may be obtained from the Order Dept., ASME, 22 LAW DRIVE < BOX 2300 Fairfield, NJ 07007-2300.

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19/03 WED 16:05 FAX 864 885 4001	OCONEE QA	<u>[005</u>
· · ·		
FORM NPV-	-1 (Back - Pg. 2 of _2	Page - 4
	Certificate Bolder's Seria	# <b>032052</b>
. Design conditions2500 psi _ (pressure) . Cold working pressure3600	(temperature)	ressure class1500# (1
0. Hydrostatic test Shell:5400		
 	ERTIFICATE OF DESIGN	
Design Specification certified byBraxton Lo Design report certified byS_ISBUTS	eroy Peele Jr., P.E. State_S.C.US KY P.E. State_OUE_C/	SA Reg.no,#7076 ANADA Reg, no #22115
CE	RTIFICATE OF COMPLIANCE	

N Certificate of Authorization No.	<u>N2797-2_(N)</u>	ExpiresAPE	20,2004/
N Certificate of Authorization No Date <u>26_AUG_2003_</u> Name	VELAN INC	Signed Ar L	Der IL
	N Certificate Holder)	Yauthorize	ed representative)

#### 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 <u>QUEBEC</u> and employed by <u>RECIE DU BATIMENT</u> of <u>QUEBEC</u> have inspected the pump, or valve, described in this Data Report on <u>Action 1 25 2003</u>, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, 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 injuly or property damage or a loss of any kind arising from or connected with this inspection.

J.P. FACHINETTI QC # 13813  $\overline{\ }$ 20 signed ra. \_ Commissions \_ Date/ (Nat'l. Bd. (REPERSURSERIENTS Part State or prov. and no.) (Authorized Inspector)

(1) For manually operated valves only.

		OCONEE QA		Ø <u>006</u> _
9/03 WED 16:05 FAX 86		•		• •.
	UTC # 10Ce	224		
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	int a			
_	<b>U</b> •			,
•			40220	AO/
		Page - 3	#03204	<b>40</b>
		ا <del>مر میں محمد است</del> ار		
FORM NPV-1 C	SERTIFICATE HOLD	DERS' DATA REPORT FO	R NUCLEAR PUMPS OF	R VALVES *
As Requ	uired by the Provisi	ions of the ASME Code,		
			Pg	
1. Manufactured B	nd certified by )	FLANING 550 McArthur	r St., Montreal Ouebec H	41 1X8 CANADA
	_	(name and a	uddress of N Certificate Holder)	
2. Manufactured Ic	ST_DUKE_ENERGY_C	ORP_OCONEE_NUCLEAR_: (rame #	Dd address of purchaser)	AY_SENECA_USA
3. Location of ins	stallation OCONE	E MUCLEAR STATION 155		ACT 29672 119A
A Model No. Series I	Na. or Type- B16-31	(nam 14B-13PS DrawingP	e and address) 012-275730=N02	D CEN N/A
4. House 1994 Same 1	10.101 1 Jpc	DIAWING	/	/
5. ASMZ Code, Sec	tion III, Divisio		TNTER-19841	NLA
	SUTNE CHECK MAN	(طننه) L_ Nominal inlct size	(addonda dalc) (class)	4-11
o. Eamb of Agrag.		NUMPROV THICL STEE		
-		,	(in)	(ir.)
-	SA182_F316 Cov	er _SA182_E316_Disk	SA182 F316 Boltin	54564 GR-630
-	SA182_F316_Cov	er _SA182_E316_Disk	SA182 F316 Boltin	5 SA564 GR-630
7. Kat'l.: Body (a)	(Þ)	(c)	SA182_F316 Boltin (H1100)	29 SA554 GR-530 √ c SA-194 GR-8M √ (e)
7. Hat'l.: Body			_SA182_F316 Boltin (H1100)	g <u>SA554 GR-530</u> √ c SA-194 GR-8M√ (e) Disk
7. Mat'l.: Body (a) Cert.	(b) Nat'l	(c) Body	SA182 F316 Boltin (H1100) (d) Cover	29 SA554 GR-530 √ c SA-194 GR-8M √ (e)
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No.	SA182 F316 Boltin (H1100) (d) Cover Serial No.	c SA-194 GR-530 (e) Disk Serial No.
7. Mat'l.: Body (a) Cert. Holder's	(b) Nat'l Board No.	(c) Body Serial No. 	<u>SA182 F316 Boltin</u> (H1100) (d) Cover Serial No. <u>/6573</u>	(e) Disk SA-194 GR-8M (e) Disk Serial No. 7724
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No.	SA182 F316 Boltin (H1100) (d) Cover Serial No.	(e) Disk SA-194 GR-8M (e) Disk Serial No. 7724
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No. 	<u>SA182 F316 Boltin</u> (H1100) (d) Cover Serial No. <u>/6573</u>	(e) Disk SA-194 GR-8M (e) Disk Serial No. 7724
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No. 	<u>SA182 F316 Boltin</u> (H1100) (d) Cover Serial No. <u>/6573</u>	(e) Disk SA-194 GR-8M (e) Disk Serial No. 7724
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No. 	<u>SA182 F316 Boltin</u> (H1100) (d) Cover Serial No. <u>/6573</u>	ag SA554 GR 530 c SA-194 GR 8M - (e) Disk Serial No. 
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No. 	<u>SA182 F316 Boltin</u> (H1100) (d) Cover Serial No. <u>/6573</u>	(e) Disk SA-194 GR-8M (e) Disk Serial No. 7724
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No. 	<u>SA182 F316 Boltin</u> (H1100) (d) Cover Serial No. <u>/6573</u>	(e) Disk SA-194 GR-8M (e) Disk Serial No. 7724
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No. 	SA182 F316 Boltin (H1100) (d) Cover Serial No. /6573 /73896 / 59287/	(e) Disk SA-194 GR-8M (e) Disk Serial No. 7724
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No. 	SA182 F316 Boltin (H1100) (d) Cover Serial No. /6573 /73896 / 59287/	(e) Disk SA-194 GR-8M - (e) Disk Serial No. 
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No. 	SA182 F316 Boltin (H1100) (d) Cover Serial No. /6573 /73896 / 59287/	(e) Disk SA-194 GR-8M - (e) Disk Serial No. 
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No. 	SA182 F316 Boltin (H1100) (d) Cover Serial No. /6573 /73896 / 59287/	(e) Disk Serial No. 7724
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No. 	SA182 F316 Boltin (H1100) (d) Cover Serial No. /6573 /73896 / 59287/	(e) Disk Serial No. 7724
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7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No. 	SA182 F316 Boltin (H1100) (d) Cover Serial No. /6573 /73896 / 59287/	(e) Disk Serial No. 7724
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No. 	SA182 F316 Boltin (H1100) (d) Cover Serial No. /6573 /73896 / 59287/	(e) Disk Serial No. 7724
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No. 	SA182 F316 Boltin (H1100) (d) Cover Serial No. /6573 /73896 / 59287/	c SA-194 GR-530 (e) Disk Serial No.
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No. 	SA182 F316 Boltin (H1100) (d) Cover Serial No. /6573 /73896 / 59287/	(e) Disk Serial No.
7. Mat'l.: Body	(b) Nat'l Board No.	(c) Body Serial No. 	SA182 F316 Boltin (H1100) (d) Cover Serial No. /6573 /73896 / 59287/	(e) Disk Serial No. 7724

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(12/88) This form (E00037) may be obtained from the Order Dept. ASME, 22 LAW DRIVE< BOX 2300 Fairfield, NJ 07007-2300.

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FORM NPV-1 (Back - Pg. 2 of)	Page - 4
Certificate Holder's Serial No.	32048
8. Design conditions2500 psi300°F or valve pressure class (pressure) (temperature) 9. Cold working pressure3600 psi at 100°F	1500#(1
10. Hydrostatic test Shell:5400 / psig. Disk differential test pressure	N/A
11. Remarks: <u>MATERIALS TO ASME SEC IL PART-A</u> CODE EDITION 1995 ADDENDA	•
[	
CERTIFICATE OF DESIGN	
Design Specification certified by <u>Braxton Leroy Peele Ir</u> P.E. State <u>S.C. USA</u> Reg. Design report certified by <u>S. ISBITSKY</u> P.E. State <u>OUE CANADA</u> Reg.	no#7076
Design report certified byS.ISBUSKIP.E. State JUELANADA_ Reg.	no#22,115
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in this report are correct and that this pump or var rules for construction of the ASME Code, Section III, Division 1.	alve conforms to the
N Certificate of Authorization NoN2797-2 (N) Expires	20, 2004
Date Name VELAN INC Signed full	Der HV
(N Certificate Holder) (Vauthorize	ed representative)
- CERTIFICATE OF INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressur the State or Province of and employed by _REGIE_DU_BATIMENT of	· · · · · · · · · · · · · · · · · · ·
inspected the pump, or valve, described in this Data Report on Aug 29 floc3, and state knowledge and belief; the Certificate Holder has constructed this pump, or valve, in accordance Section III, Division 1.	hat to the best of my
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed the component described in this Data/Report. Furthermore, neither the inspector nor his employ manner for any personal injury of property damage or a loss of any kind arising from or connected IP. FACHINE II	er shall be liable in any
	· / / /
Date Aug 23/2303 igned . 00 Sta C Commissions OF. PAULINE TO (Authorized Inspector) (Nat'l. Bd. Inci. Endorsements)	DUÉBEC (Y)

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(1) For manually operated valves only.

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JIC# 1060727

Page - 3

# #032049

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

Pq	1	of	_2

1. Manufactured an	nd certified by VE	AN INC. 550 M cAtthur St (name and addr	t., Montreal Oucher H	4T1X8 CANADA
2. Manufactured f	or DUKE ENERGY COR	P_OCONEE NUCLEAR STI		AY SENECA USA
3. Location of in	stallation GCONEE N	HICLEAR STATION 155 P		SC 39672 1158
			and address)	
A Model No. Sovies	No or Type, BI6-3114	B-13PS_ DrawingP012		D.CRN _N/A
A. moder no., Scries i	Notice Type: Delisters	Deawing	-275130-N02_ Rov .	
-	•	1000 /	1 .	1
5. ASME Code, Sea	tion III, Division	1:	TER-1984	
		• • •	lenda date) (class)	(Code Case no.)
6. Pump or valve:	SHING CHECK VIV	Nominal inlot sizo -	_10" Outlet si	
	/		(m.)	(u.)
7. Mat'1.: Body -	SA182_F316./ Cover	SA182 F316 Disk S	A182_F316_/ Boltin	SA564 GR-630
			(H1100)	€∕\$A-194 GR-8M
			(112200)	
(a)	(Ъ)	(c)	(d)	(c)
Cert.	Nat'l	Body	Cover	Disk
Holder's	Board	Serial	Serial	Serial
SerialNo.	No.	No.	No.	No.
#032049/	N/A	2504	6578	7725
	HEAT / TEST LOT: "	P-17002/	738961 59287	<b>√</b> 74075 /59287√
			10000100201	-14010103201
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"Supplemental information in 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 in recorded at the top of this form.

(12/88)

This form (E00037) may be obtained from the Order Dept. ASME, 22 LAW DRIVES BOX 2300 Fairfield, NJ 07007-2300.

	FORM 1	NPV-1 (Back	- Pg. 2 d	of _2_)	Page - 4
		·			#0330 <i>A</i>
		Cortificat	te Holder's	Serial N	<u>#03204</u>
	ons2500 /_ p (pressure) pressure3600	osi300 (tempera	F or v ature)	alve press	ure class1500#
10. Hydrostatic to	st Shell:5400	psig. Disk	differential f	est pressu	ireN/A
11. Remarks: _M	ATERIALS TO ASME	SEC IL PART-A	CODE EDITI	<u>200 1995 /</u>	ADDENDA: 1996
·		CERTIFICATE	OF DESIGN		
Design Specificati Design report cert	on certified byBraxt ified byS_IS	on Lerny Peele Jr., BITSKY	_ P.E. State_ _ P.E. State_	S.C., USA QUE CANA	Reg.no, <u>#7076</u> DA Reg. no <u>#22115</u>
		CERTIFICATE OF	COMPLIANC	E	
alles for constru	uction of the ASME C	Code. Section III.	Division 1.		ump or valve conforms to
Date26_AUG	2003 Name	VELAN INC		Signed	(authorized representative
L	····			$\searrow$	
		CERTIFICATE O	FINSPECTION		· · ·
		and employed	by REGIE DI	BATIMEN	nd Pressure Vessel Inspectors T ofQUEBECh and state that to the best of
the State or Prov inspected the put	mp; for valve, described elief, the Certificate Hol	l in this Data Repo Ider has constructe	d this pump, c	r valve, in a	accordance with the ASME Co

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11/18/03			9 4 1001	1540	
		00035		0,000	
			ERS' DATA REPORT FOR visions of the ASME Code		
					Pg. 1 of 2
	1. Manufactured and certifie	-		nents Inc. (CCI)	
		225	591 Avenida Empresa, Ran (name and add	cho Santa Marganta, Iress of Certificate Holder	
	2. Manufactured for DUK	E ENERGY CORPORATION	ON, HUNTERSVILLE, NORTH C.		······································
	3 Location of Installation		TION, SENECA SOUTH CAROL	• •	
Í		OCONCE NOCLOAN STA	(name a	and address)	
	4. Model No., Senal No., or	Type DRAG VALVE	Drawing200763-1	Rev	CRNN/A
	5. ASME Code, Section III, 1		1988	<u> </u>	N/A
		(edillon)		(class) Outlet size	(Code Case no.) 10 INCH
	6. Pump or Valve	Valve Norr	ninal inlet size 10 INCH	Objet size	SA193-B8 &
	7. Material: Body <u>S</u>	A351-CF8 Bonn	et SA182-F304 Disk	N/A B	olting <u>SA194-GR.8</u>
	(a)	(b)	(c)	(d)	(e)
	Cert. Holder's	Nat'l Board	Body Serial	Bonnet Serial	Disk Serial
	Serial No.	<u>No.</u>	No. 410003/N59455-4	<u>No.</u> 72932	<u> </u>
	101137-010-1	<u> </u>	410003/N59455-3	72932	N/A
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	Supplemental information in the	form of fister skatches as do	vings may be used pravided (1) size is	8 1/7 + 11 /7) Information in	items 1 through 4 on this
	Contraction is included on each a	sheet, (3) each sheet is numbe	vings may be used provided (1) size is seed and the number of sheets is record	led at the lop of this form.	
		•			
		This form (E000	137) may be obtained from the Order D	EDIT NOME, 22 LEW DRVR, 80	и 2.140, годиск, INJ 07007-230

11/19/03 WED 16:07	7 FAX 864 885 4001 OCONEE QA	
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	FORM NPV-1 (Back - Pg. 2 of 2)	/
	Certificate Holder's Serial No. 101137-010-1	<u>&amp; -2 · _</u>
8. Design	2500 psi 300 Deg. For Valve pressure N/A	(1)
	(pressure) (lemperature)	
9. Cold working press		
Ster St. Cold working press	ure 3600 psi at 100 Deg. F	•
10. Hydrostatic	5400 n≤i Disk differential N/A	1
lest	5400 p≤i Dlsk differential N/A pressure	. psi
-		
11.		
Remarks	NUMBER L748 (870008).	
	UMBER L747 (73384-0051)	
	SE: HEAT NUMBER AD2192	<u> </u>
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	CERTIFICATE OF DESIGN .	1
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S. Design Specification of	artified by IOHNAVE MORRIS PEState SOUTH CAROLINA Roa on 11577	
Design Specification o	xentified by JOHNNY F. NORRIS P.E. State SOUTH CAROLINA Reg. no. 11577	
		<u> </u>
	1 by JAMSHID FARAMARZI P.E. State CALIFORNIA Reg. no. M28272	
Design Report certified	1.by JAMSHID FARAMARZI P.E. State CALIFORNIA Reg. no. M28272	
Design Report certified	1 by JAMSHID FARAMARZI P.E. State CALIFORNIA Reg. no. M28272 CERTIFICATE OF COMPLIANCE	
Design Report certified	Iby       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         statements made in this report are correct and that this pump or valve conforms to the rules for ASME Code, Section III, Div. 1.	
We certify that the s Construction of the A	Iby       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         statements made in this report are correct and that this pump or valve conforms to the rules for ASME Code, Section III, Div. 1.	
Design Report certified	1 by       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         statements made in this report are correct and that this pump or valve conforms to the rules for ASME Code, Section III, Div. 1.	
Design Report certified We certify that the s Construction of the A N Certificate of Autoo No.	Iby     JAMSHID FARAMARZI     P.E. State     CALIFORNIA     Reg. no.     M28272       CERTIFICATE OF COMPLIANCE       statements made in this report are correct and that this pump or valve conforms to the rules for ASME Code, Section III, Div. 1.       orization       N-2695	06
We certify that the s Construction of the A	1 by       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         Itatements made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         Orization         Name         Control Components Inc. (CCI)         Signed         Marson Kayadan	26
Design Report certified We certify that the s Construction of the A N Certificate of Autoo No.	Iby     JAMSHID FARAMARZI     P.E. State     CALIFORNIA     Reg. no.     M28272       CERTIFICATE OF COMPLIANCE       statements made in this report are correct and that this pump or valve conforms to the rules for ASME Code, Section III, Div. 1.       orization       N-2695	
Design Report certified We certify that the s Construction of the A N Certificate of Autoo No.	1 by       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         Itatements made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         Orization         Name         Control Components Inc. (CCI)         Signed         Marson Kayadan	
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Design Report certified We certify that the s Construction of the A N Certificate of Autoo No.	1.by       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         Statements made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         orization         Name         Control Components Inc. (CCI)         Name         Control Components Inc. (CCI)         Signed         Marker, Karon Market         Control Components Inc. (CCI)         Signed         Market, Moder)	06
Design Report certified We certify that the s Construction of the A - N Certificate of Authon No. Data <u>Z-Aus03</u>	1.by       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         statements made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         orization       N-2695         Name       Control Components Inc. (CCI)         Name       Control Components Inc. (CCI)       Signed       Marson         (authorized representative)         CERTIFICATE OF INSPECTION	
Design Report certified We certify that the s Construction of the A N Certificate of Author No. Data ZZ Aug03	1.by       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         statements made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         orization       N-2695       Expires       AUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Maren       Theorem         Name       Control Components Inc. (CCI)       Signed       Maren       Theorem         Name       Control Components Inc. (CCI)       Signed       Maren       Theorem         CERTIFICATE OF INSPECTION         Nolding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors	
Design Report certified We certify that the s Construction of the A N Certificate of Author No. Data ZZ Aug 03 the undersigned, the the State or Province	1.by       JAMSHID FARAMARZI       P.E: State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         Interments made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         Orization       N-2695       Expires       AUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       JAMSHID FARAMARZI         CERTIFICATE OF INSPECTION         holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors	
Design Report certified We certify that the s Construction of the A N Certificate of Author No. Data ZZ Aug 03 the undersigned, h the State or Province inspected the pump,	1.by       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         statements made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         orization       N-2695       Expires       AUGUST 14, 200         Name         Control Components Inc. (CCI)         Name         CertriFicate Holder)         CERTIFICATE OF INSPECTION         Notice and Pressure Vessel Inspectors         OF CALIFORNIA and employed by HSB CT of         HARTFORD, CONNECTICUT         or valve, described in this Data Report on	and have
Design Report certified We certify that the s Construction of the A No. Data ZZ Aug03 the undersigned, h the State or Province anspected the pump, 8-72	1.by       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         statements made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         orization         Name       Control Components Inc. (CCI)         CERTIFICATE OF INSPECTION         Nolding a valid commission issued by the National Board of Boilier and Pressure Vessel Inspectors	and have
Design Report certified We certify that the s Construction of the A N Certificate of Author No. Data ZZ Aug03 the undersigned, h the State or Province anspected the pump, 8-20	1.by       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         statements made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         orization       N-2695       Expires       AUGUST 14, 200         Name         Control Components Inc. (CCI)         Name         CertriFicate Holder)         CERTIFICATE OF INSPECTION         Notice and Pressure Vessel Inspectors         OF CALIFORNIA and employed by HSB CT of         HARTFORD, CONNECTICUT         or valve, described in this Data Report on	and have
Design Report certified We certify that the st Construction of the A N Certificate of Author No. Data ZZ Auc 03 the undersigned, h the State or Province Inspected the pump, S-Z2 Constructed this pump	1.by       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         statements made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         orization       N-2695         Name       Control Components Inc. (CCI)         Name       Control Components Inc. (CCI)       Signed       Marson       Karson         Name       Control Components Inc. (CCI)       Signed       Marson       Karson       Karson         Name       Control Components Inc. (CCI)       Signed       Marson       Karson       Karson       Karson         Name       Control Components Inc. (CCI)       Signed       Marson       Karson       Karson         Name       Control Components Inc. (CCI)       Signed       Marson       Karson       Karson         Name       Control Components Inc. (CCI)       Signed       Marson       Karson       Karson         Name       Control Components Inc. (CCI)       Signed       Marson       Karson       Karson         Control Components Inc. (CCI)         CERTIFICATE OF INSPECTION         Noldiing a val	and have
Design Report certified We certify that the si Construction of the A No. Data ZZ Aug 03 I the undersigned, h the State or Province aspected the pump, B-ZC constructed this pum	1by       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         Itatements made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         Orization       N-2695       Expires       AUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       Karon Marcon         Name       Control Components Inc. (CCI)       Signed       Marcon       Karon Marcon         Name       Control Components Inc. (CCI)       Signed       Marcon       Karon Marcon         Name       Control Components Inc. (CCI)       Signed       Marcon       Karon Marcon         Name       Control Components Inc. (CCI)       Signed       Marcon       Karon Marcon         Name       Control Components Inc. (CCI)       Signed       Marcon       Karon Marcon         CERTIFICATE OF INSPECTION       Reg. no.       (authorized representative)       Image: Control Components Inc. (CCI)       Signed Marcon         CERTIFICATE OF INSPECTION       Nolding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors       Image: Control Components Inc. (CCI)       Image: Control Components Inc. (CCI)         Ce	and have
Design Report certified We certify that the si Construction of the A -N Certificate of Author No. Date <u>ZZAuc03</u> The undersigned, h the State or Province aspected the pump, <u>B-Z2</u> Constructed this pump By signing this certific Dimponent described	1 by       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         statements made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         orization       N-2695       Expires       AUGUST 14, 200         Name         Control Components Inc. (CCI)         Name         Control Components Inc. (CCI)         Name       Signed       Maxon       Maxon         (N Certificate Holder)         CERTIFICATE OF INSPECTION         Notice Components Inc. (CCI)       Signed       Maxon       Maxon       Maxon         Name       Control Components Inc. (CCI)       Signed       Maxon       Maxon       Maxon         Name       Control Components Inc. (CCI)       Signed       Maxon       Maxon       Maxon         Name       Control Components Inc. (CCI)       Signed       Maxon       Maxon       Maxon         Name       Control Components Inc. (CCI)       Signed       Maxon       Maxon       Maxon         CERTIFICATE OF	and have
Design Report certified We certify that the si Construction of the A N Certificate of Author No. Data ZZ Aug 03 I the undersigned, h the State or Province rispected the pump, B-Z2 constructed this pum By signing this certific component described 01 any personal injury	1 by       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         Interments made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         orization       N-2695       Expires       AUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       Karrow         Name       Control Components Inc. (CCI)       Signed       Marcon       MUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       MUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       MUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       MUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       MUGUST 14, 200         Name       Control Components Inc. (CCI)	and have
Design Report certified We certify that the si Construction of the A No. Data ZZ Aug 03 I the undersigned, h the State or Province rispected the pump, B-ZC constructed this pum By signing this certified component described 01 any personal injury	1 by       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         Interments made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         orization       N-2695       Expires       AUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       Karrow         Name       Control Components Inc. (CCI)       Signed       Marcon       MUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       MUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       MUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       MUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       MUGUST 14, 200         Name       Control Components Inc. (CCI)	and have
Design Report certified We certify that the si Construction of the A -N Certificate of Author No. Date <u>ZZAuc03</u> The undersigned, h the State or Province aspected the pump, <u>B-Z2</u> Constructed this pump By signing this certific Dimponent described	Alby       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         statements made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         orization       N-2695       Expires       AUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       Marcon       Marcon         Name       Control Components Inc. (CCI)       Signed       Marcon       Marcon       Marcon         Name       Control Components Inc. (CCI)       Signed       Marcon       Marcon       Marcon         Name       Control Components Inc. (CCI)       Signed       Marcon       Marcon       Marcon         Name       Control Components Inc. (CCI)       Signed       Marcon       Marcon       Marcon         Name       Control Components Inc. (CCI)       Signed       Marcon       Marcon       Marcon         Name       Control Components Inc. (CCI)       Signed       Marcon       Marcon       Marcon         Name       Control Commission issued by the National Board of Boiler and Pressure Vessel Inspectors       Control Connector Inspector Inspector       Marcon       Marcon	and have
Design Report certified We certify that the si Construction of the A N Certificate of Author No. Data ZZ Aug 03 I the undersigned, h the State or Province rispected the pump, B-ZC Constructed this pum By signing this certific component described 01-any personal injury	1 by       JAMSHID FARAMARZI       P.E. State       CALIFORNIA       Reg. no.       M28272         CERTIFICATE OF COMPLIANCE         Interments made in this report are correct and that this pump or valve conforms to the rules for         ASME Code, Section III, Div. 1.         orization       N-2695       Expires       AUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       Karrow         Name       Control Components Inc. (CCI)       Signed       Marcon       MUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       MUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       MUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       MUGUST 14, 200         Name       Control Components Inc. (CCI)       Signed       Marcon       MUGUST 14, 200         Name       Control Components Inc. (CCI)	and have

•	(		· ( - ,					(
			NER'S REPORT FO By The Provisions (				•	
	Owner Duke Power Address 526 S. Churc	Company ch Street, Charlotte, NC 282	01-1006	1	•••			11-27-03
	Plant <sup>1</sup> Oconee Nuc Address 7800 Roch	lear Station ester Hwy. Seneca; S.C	. 29672		•		Sheet _	of
2a. I	Unit 🕅 1 🗆	] 2 🔲 3 <sup>    </sup>    Share	ed (specify Units		·) 3a. W	lork Order	# 980179	304
		Power Company Street, Charlotte, NC 28201 p N/A Authorization No. N/A			· · · · · ·	SM or MN	Repair Organiz	ration Job #
4. 1	Identification of System	EEDWATER & EM	ELGENGISS	BDWAIE Z				
5.		Section XI Utilized for Repair	19/67 Edition, s or Replacements 1989		ddenda, (1992 through	0 1992 Ad	idenda for Clas	_Code Cases s MC and
6.	CC and their sup Identification of Compone	ports.) ants Repaired or Replaced an	d Replacement Compor	nents		• • •	•	:• •
	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	VLV. 1 FDW-206	BONT KEROTEST	NA	NA	UTC NO. 857617	1993	Repaired     Replaced     Replaced     Replacement	No Ves
в	VLV. 1FDW-206	BONT KEROTEST	NA	NA	NA	NA	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
с	PIPING	D.P.Co.	NA	NA	NA	7/73	Repaired     Replaced     Replacement	V No Ves
D							Repaired     Replaced     Replacement	No     Yes
E	•						Repaired     Replaced     Replacement	No Ves
F							<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Yes

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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 Wor	K LEPIKE	OVLV. 1P	DW-206 & ASSOCIATED FIPING.
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pressure Other Exempt
	Pressure 22	250 psig	Test Temp. <u>N.O.T.</u> °F
	Pressure	psig	Test Temp °F
	Pressure	psig	Test Temp °F
9. Remarks	FORMED	SYS. LE	KTEST INDE PER ASME CODE
CAS	E N-414	6-1.	
TE	ST 16.11	ZRN-let	76
	(Ap)	blicable Manufact	urer's Data Records to be Attached)
[	······································	CERTIFICATE	OF COMPLIANCE
We certify that the of the ASME Code, S		in the report are	correct and this repair or replacement conforms to the rules
Type Code Symbol S	Stamp N/A		
Certificate of Authorit	zatjon No. N/A ·	$\Lambda$	Expiration Date N/A
Signed Sull	WAR INA OH	V. QA SA	L. Date FER, 04, 2004
- group eft	Owner or Owner	's Designee, Title	
		· · ·	

#### **CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Providence of Aberry CAROLINA and employed by HSB CT

, have inspected the components described in this Owner's Report during the period 75-00 to 2/12/64 ; 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.

Date Z/12/04

Commissions\_NCHAA NTABL

Inspector's Signature

National Board, State, Providence and Endorsements

## KEROTEST MANUFACTURING

٢.

CORP. 2525 Liberty Avenue Pittsburgh, PA 15222-4680 • General Offices 412/392-4200 TLX 4423065 FAX #412/392-4281 Corporate Sales 412/392-4300 TLX 4423022 FAX #412/392-4251

#### CERTIFICATE OF CONFORMANCE

We hereby certify that the following values or parts are in compliance with the applicable drawings, specifications and purchase order.

CUSTOMER_	Duke Power Company	
CUSTOMER 1	P.O0054476	······································
KEROTEST 1	<b>?.0.</b> < C199310	
<u>ITEM_NUMBE</u>	ER PART_NUMBER	DESCRIPTION QUANTITY
1	88366397 8204-71 CLASS F	VALVE, BONT, CS, 1/2", SW, SS, 600 10 STAINLESS STEEL TAG: DMV-921
2	88366398 8206-71 CLASS F	VALVE, BONT, CS, 3/4", SW, SS, 600 10 STAINLESS STEEL TAG: DMV-922
3	88366399 8208-71-71 CLASS F	VALVE, BONT, CS, 1", SW, SS, 600 24 STAINLESS STEEL TAG: DMV-923
4	88366400 8212-71 CLASS F	VALVE, BONT, CS, 1-1/2", SW, SS, 600 50 STAINLESS STEEL TAG: DMV-924
5	88366401 8216-72 CLASS F	VALVE, BONT, CS, 2", SW, SS, 600 STAINLESS STEEL TAG: DMV-925 DUKE POWER COMPANY QA RECORDS APPROVED CA REPRESENTATIVE DATE 1-1194 DATE 1-1194
SIGNATURE_	Julian	Berarducci
TITLE_	Qualit	y Assurance Manager
DATE_	12/22	2/93

An Employee Owned Company

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required By The Provisions Of The ASME Code Section XI 1a. Date <u>11-27-83</u> 1. Owner Duke Power Company 526 S. Church Street, Charlotte, NC 28201-1006 Address Sheet \_\_\_\_\_ of \_\_\_\_ 2. Plant Oconee Nuclear Station Address 7800 Rochester Hwy. Seneca, S.C. 29672 . 3 d d Shared (specify Units\_\_\_\_  $\square 2$ 2a. Unit 3a. Work Order # 3. Work Performed By Duke Power Company Repair Organization Job # Address 526 S. Church Street, Charlotte, NC 28201-1006 3b. NSM or MM # Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A FDUNTER JEMERGENAL 4. Identification of System/ 5. (a) Applicable Construction Code <u>HNST B31.1</u> 19 Edition, <u>NN</u> Addenda, <u>NN</u> Code Cas (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and Code Cases CC and their supports.) 6. Identification of Components Repaired or Replaced and Replacement Components ÷., Column 2 Column 1 Column 3 Column 4 Column 5 Col. 6 Column 7 Column 8 ASME Code National Repaired. Manufacturer Other -Year Name of Manufacturer Name of Component Replaced, or Stamped Board Serial Number Identification Built Number Replacement (yes or no) **Repaired** Boxh Ø No NA NA Replaced Α KEROTEST Yes Replacement LTC NO. Row Repaired X No XХ 993 NA Replaced Replacement В 857617 FROTEST Yes Repaired No D.P.Co. NA ηN хX Replaced С Yes X Replacement Repaired П No ۰. Replaced D  $\Box$ Yes Replacement Repaired No E Replaced Yes Replacement Repaired No F . Replaced Replacement  $\Box$ 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. Descriptio	n of Work KEPLACE	D /FDW.	207 FASSOCIATE	D FIPING.
8. Test Cond <i>PER</i> 6D5 5 <i>CREEN</i> 9. Remarks	✓Pressure Pressure Pressure	20_psig psig psig SYS、LEN	X Nominal Operating Pressure Test Temp. <u>N.C.</u> Test Temp Test Temp K TEST HUDE PE	<u>).7.</u> ∘F °F °F
	(App	licable Manufacture	er's Data Records to be Attached	)
			OF COMPLIANCE prrect and this repair or replac	ement conforms to the rules
Type Code	Symbol Stamp N/A			• •••
Certificate o Signed X(/	Authorization No. N/A	QA 50E s Designee, Title	Expiration Date N	NA 2004-

#### **CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Providence of <u>North Corectors</u> and employed by <u>HSS</u> CT

have inspected the components described in this Owner's Report during the period  $\frac{4/5/bo}{100}$  to  $\frac{2/13/64}{100}$ ; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions NCMANIANIABL

.

Inspector's Signature

2/13/04 Date

National Board, State, Providence and Endorsements

F

KEROTEST MANUFACTURING CORP. 2525 Liberty Avenue Pittsburgh, PA 15222-4680 • General Offices 412/392-4200 TLX 4423065 FAX #412/392-4281 Corporate Sales 412/392-4300 TLX 4423022 FAX #412/392-4251

#### CERTIFICATE OF CONFORMANCE

We hereby certify that the following values or parts are in compliance with the applicable drawings, specifications and purchase order.

CUSTOMER_	Duke Power Company		<u></u>
CUSTOMER 1	P.O0054476		
	P.O. < C199310		
ITEM_NUMBE	CR PART_NUMBER	DESCRIPTION	QUANTITY
1	88366397 8204-71 CLASS F	VALVE, BONT, CS, 1/2", SW, SS, 600 STAINLESS STEEL TAG: DMV-921	10
2	88366398 8206-71 CLASS F	VALVE, BONT, CS, 3/4", SW, SS, 600 STAINLESS STEEL TAG: DMV-922	10
3	88366399 8208-71-71 CLASS F	VALVE, BONT, CS, 1", SW, SS, 600 STAINLESS STEEL TAG: DMV-923	24
4	88366400 8212-71 CLASS F	VALVE, BONT, CS, 1-1/2", SW, SS, STAINLESS STEEL TAG: DMV-924	600 50
5		VALVE, BONT, CS, 2", SW, SS, 600 STAINLESS STEEL TAG: DMV-925	4
	-	DUKE POWER QA RECORDS A POWER QA RECORDS A REPRE DATE 1-11	CENTATIVE
SIGNATURE_	Julian	, Beranducci	
TITLE_	Qualit	y Assurance Manager	
DATE_	12/22	2/93	

An Employee Owned Company

As Required By The Provisions Of The ASME Code Section XI 1a. Date <u>8-13-02</u> 1. Owner **Duke Power Company** 526 S. Church Street, Charlotte, NC 28201-1006 Address Sheet \_/ of \_/ 2. Plant **Oconee Nuclear Station** Address 7800 Rochester Hwy. Seneca, S.C. 29672 3 ' ' ' Shared (specify Units\_\_\_\_\_) 2 2a. Unit Repair Organization Job # 3. Work Performed By Duke Power Company Address 526 S. Church Street, Charlotte, NC 28201-1006 3b. NSM or MM # \_\_\_\_\_\_ Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A 4. Identification of System LOW PRESSURE INSECTION Class Z X SEE ATTACHED MEMO. 5. (a) Applicable Construction Code \_\_\_\_\_\_\_ 19\_\_\_\_ Edition, \_\_\_\_\_ Addenda, \_\_\_\_\_ Code Cas (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and Code Cases CC and their supports.) 6. Identification of Components Repaired or Replaced and Replacement Components 1.55 Column 2 Column 1 Column 3 Column 4 Col. 6 Column 7 Column 8 Column 5 National Repaired. ASME Code Manufacturer Other -Year Name of Manufacturer Name of Component Board Replaced, or Stamped Serial Number Identification Built Number Replacement (yes or no) IC LPI Fump 18 🗌 Repaired No MA NA · NA C. Replaced -NA CASING BOLTING X Replacement Yes 16 LPI Fimf INGERSOLL Repaired R No Replaced Replacem B 0169-45 1969 NA NA ROTATING ASSY RAND  $\square$ Yes Replacement 0369140 INGERSOLL Repaired X No r/x С 2000 Replaced: NA ROTATING ASSY. RAND X Replacement П Yes Repaired П No D Replaced П Yes Replacement Repaired  $\square$ No E Replaced Yes Replacement ÷ Repaired 7  $\Box$ No F Replaced Yes Replacement

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.

This form. • REPLACED ROTATING ASSY.
7. Description of Work REPLACED ZO - 1" NUTS & STUDS IN IC-LPI Rump
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt
Lpr Pressure <u>310</u> psig Test Temp. <u>Mo.</u> °F
Rcs A Pressure 30 psig Test Temp. <u>Na7.</u> °F
RC5 B) Pressurepsig Test Temp°F
9. Remarks TEST No. 12FRN-438 W.O. # 98105271.01
(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
Signed TIM (IM Charles OA SAEC, Dater 742415,2003) Owner or Owner's Designee, Title
E
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 Netterstanding and employed by
have inspected the components described in this Owner's Report during the period _7-1.5-03
to <u>7-15-03</u> ; 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

NILLEYABAT Commissions

National Board, State, Providence and Endorsements

Date 7-15-07

Gerald Ottman

To: Gilbert L Blubaugh/Gen/DukePower@DukePower cc: Subject: Re: LPI Pump Code of Construction

The attached E-mail from Flowserve documents the code of construction.

----- Forwarded by Gerald Ottman/Gen/DukePower on 07/02/2003 01:37 PM -----

 Iholliday@flowserve.co
 To: Gerald Ottman <giottman@duke-energy.com>

 m
 cc:

 08/23/2002 11:46 AM
 Subject: Re: LPI Pump Code of Construction

Gerry The below pumps were also delivered under the same criteria.

Best regards

Lee Holliday Nuclear Account Manager Office 864-814-0582 Fax 864-814-6749 Mobile 864-621-6142

Gerald Ottman <giottman@duke-en To: Holliday/mfg/idp/ingerrand@Flowserve ergy.com> cc: Sub

To: Lee cc: Subject: LPI Pump Code of

Construction 08/21/2002 03:04 PM

-

Questions on the code of construction are coming up during pump rebuilds on the LPI (8x21AL) and RBS (4x11A) pumps (both Safety Related).

Please confirm that your response below for HPI pump code of construction is also applicable to these pumps.

Gerry Ottman ONS Engineering

lholliday@flow serve.com <qiottman@duke-energy.com></qiottman@duke-energy.com>		To: "Gerry O		Ot	ttman"	
5		cc:			_	
	08/01/2002	Subject:	: H	ΡI	Questions	and

Answers

03:43 PM

Gerry

As requested I looked into the codes or construction of the HPI pumps and have the following information to offer.

Ingersoll-Rand Manufacturing codes and or procedures, Hydraulic standards of that time, and API standards 5th addition, the HPI pumps were built to no other codes.

I hope this answers your question, not exactly what you were looking for I'm sure, but the facts.

Best regards -

Lee Holliday Nuclear Account Manager Office 864-814-0582 Fax 864-814-6749 Mobile 864-621-6142

4 1 11

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

1a. Date 5-14-02 1. Owner **Duke Power Company** 526 S. Church Street, Charlotte, NC 28201-1006 Address Sheet \_\_\_\_\_ of \_\_\_\_\_ 2. Plant **Oconee Nuclear Station** Address 7800 Rochester Hwy. Seneca, S.C. 29672 ' ' ' Shared (specify Units \_\_\_\_ 図1  $\square 2$ 2a. Unit 3a. Work Order # 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 Expiration Date N/A 3b. NSM or MM # 4. Identification of System HIGH TRESSURE INSECTION Class 5. (a) Applicable Construction Code SEE HTTACHED LTP. Edition. Addenda. 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 11 Column 2 Column 1 Column 3 Column 4 Column 5 Col. 6 Column 7 Column 8 National ASME Code Repaired. Manufacturer -Other Year Name of Component Name of Manufacturer Replaced, or Board Stamped Serial Number Identification **Built** Number Replacement (yes or no) INGERSOLL Repaired X No NA 1968 X Replaced 28187 NA  $\Box$ Beplacement Yes Repaired ক্ষ NGERSOLL No 41031 В NA 1968 Replaced NA Ŕ Π Yes Replacement DISCHARCE Repaired No NA С NB ND Replaced NA NGE Yes **Replacement** BOLTING 7/3 OR SULTION Repaired X No NA NΆ NA D NX Replaced IXNGE Yes X Replacement Repaired No Ε Replaced  $\square$  Replacement Yes Repaired ---. П No F Replaced  $\Box$ Yes Π Replacement

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. REPLACED HPI TUMP IC WITH SPARE FUMP.
REPLACED BOLTING ON SUCTION FLANGE 16 NUTS 7
7. Description of Work 48 STUDS-7/8" REPLACED 8-11/4 STUDS ON THE
8. Test Conducted: Hydrostatic Preumatic Nominal Operating Pressure Other Exempt
Pressure psig Test Temp. <u>N.O.T.</u> °F
Pressure psig Test Temp °F
Pressure psig Test Temp °F
9. Remarks TEST NO. 12 FR. 621 W.O. # 98409648-03
(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
h 1 plat and all and a 11 62
Sighed
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 <u>North Cardina</u> and employed by <u>NSB-C7</u> have inspected the components described in this Owner's Report during the period <u>3-27-02</u>
to $\frac{1}{2^{-15-c^2}}$ ; 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.
Land D ANTE
Inspector's Signature Commissions N.C. 14.83 National Board, State, Providence and Endorsements
Date 15-0-2

ATTACHMENT TO W.O. 98409648 NIS-Z FORM.

**Gerald Ottman** 

08/01/2002 04:10 PM

To: Gilbert L Blubaugh/Gen/DukePower@DukePower cc: bcc: Subject: HPI Questions and Answers

Attached is the response to my request for code of record for the HPI pumps. Please advise if you need additional information.

----- Forwarded by Gerald Ottman/Gen/DukePower on 08/01/2002 04:10 PM -----



om

Iholliday@flowserve.c To: "Gerry Ottman" < giottman@duke-energy.com> cc: bcc: 08/01/2002 03:43 PM Subject: HPI Questions and Answers

Gerry

As requested I looked into the codes or construction of the HPI pumps and have the following information to offer.

Ingersoll-Rand Manufacturing codes and or procedures, Hydraulic standards of that time, and API standards 5th addition, the HPI pumps were built to no other codes.

I hope this answers your question, not exactly what you were looking for I'm sure, but the facts.

Best regards

Lee Holliday Nuclear Account Manager 864-814-0582 Office Fax 864-814-6749 Mobile 864-621-6142

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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 <u>5-8-02</u> Sheet _/_ of _/				
2.	. Plant Oconee Nuclear Station Address 7800 Rochester Hwy. Seneca, S.C. 29672				Sneet _/_ 0t _/					
2a.	Unit	⊠1 □	2 🗌 3 🕴 🗋 Sha	ared (specify Units	<u> </u>	) '	lork Orden	* 984-85	415-03	
	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 # <u></u>			
		•	REACTOR COO		/					
5.	(a) Applica	able Construction	on Code ASME IL	$\mathbb{Z}_{19}\mathbb{S}^{9}$ Edition,		Idenda, <del>//</del>	<u> </u>		_Code Cases	
	CC and	d their sup	ports.)	airs or Replacements 1989		(1992 through	1992 A	denda for Clas	s MC and	
6.	Identificatio	on of Compone	nts Repaired or Replaced	and Replacement Compor	nents	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	·.	
	Cc	olumn 1 👘 🗌	Column 2	Column 3	Column 4	Column 5	Cól. 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	BOLT FOR C	CRDM#0	/ FRAMATOME	NA	NA	i NA	2001	Repaired     Replaced     Replacement	⊠ No □ Yes	
в								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No     Yes	
c								Repaired     Replaced     Replaced	No     Yes	
D			· · ·					Repaired     Replaced     Replacement	No Ves	
E								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves	
F								Repaired     Replaced     Replacement	No Ves	

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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.

•	(8-11/8 BOLTS & ISET OF SPLIT RINGS.)							
7. Description	OF WORK REPLACED BOZTING & SPLIT RINGS ON CRDM #01 @							
8. Test Condu	CORE LOCATION H - OS ucted: Updrostatic Pneumatic X Nominal Operating Pressure Other Exempt							
	Pressurepsig Test Temp. <u>N.O.T.</u> °F							
	Pressure psig Test Temp °F							
	Pressure psig Test Temp °F							
9. Remarks	REFERENCE - INTERPRETATION XI-1-89-08							
-	(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 S	Symbol Stamp N/A							
Certificate of	Anthorization No. N/A							
Signed	WILLING QA 6DEC. Date AUG. 1, 2002 Owner or Owner's Designee, Title							
	E							
Inspectors ar	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 Month (instruction) and employed by MSB.ct have inspected the components described in this Owner's Report during the period 3-28-02- to Association is and belief, the Owner has performed examinations and							
Section XI. By signing concerning th	ive measures described in this Owner's Report in accordance with the requirements of the ASME Code, this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, ne examinations and corrective measures described in this Owner's Report. Furthermore, neither the							
	r his employer shall be liable in any manner for any personal injury or property damage or a loss of any rom or connected with this inspection.							
Adriger	Commissions_N.C.14183ANT							
/ Inspect	or's Signature National Board, State, Providence and Endorsements							
Date_#~§	- <u></u>							

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

			. Ao neganea	by the trovisions .			<i></i>	·	
1.	Owner Address	Duke Power 526 S. Churc	Company h Street, Charlotte, NC 28	8201-1006					<u>4-16-0</u>
2.	Plant Address	Oconee Nuc 7800 Roche	lear Station ester Hwy. Seneca, S		•		Sheet _	<u>/</u> 01 <u></u>	
2a.	Unit		] 2	ared (specify Units		.) '.	· · · ·	. 9840	-190
Address E26 C. Church Charlette, NC, 20201-1006								r # <u>987-83</u> Repair Organia M #MA	
4.	Identificatio	on of System	REACTOR COOL	ZANT Class_1	<u>/ · · · · · · · · · · · · · · · · · · ·</u>				
	(a) Applica (b) Applica	able Constructi able Edition of	on Code ASME THE Section XI Utilized for Repa	19.89 Edition.	NA A	ddenda, (1992 through	∽ 1992 A	ddenda for Clas	_Code Cases s MC_and
6.	CC and	d their sup	ports.) ents Repaired or Replaced						·~~ ·
	Co	olumn 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	BOLT. CRDI	1WG FOR M # 07	FRAMATOME TECH.	NX	NA	NA	2001	☐ Repaired	X No □ Yes
в								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
С								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
D		· · ·						Repaired     Replaced     Replacement	No Ves
E								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
F								Repaired     Replaced     Replacement	No Ves

Page 1 of 2

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 8-1/8 BOLTS + 1 SET OF SPLIT RINGS ON CRDM
8. Test Conducted: Hydrostatic Pneumatic X Nominal Operating Pressure Other X Exempt
Pressure psig Test Temp. N.O.T. °F
Pressure psig Test Temp °F
Pressure psig Test Temp °F
9. Remarks <u>REFERENCE - INTERPRETATION XI-1-89-08</u>
(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 AMA UN OWN OWNER'S Designee, Title Date AUG 1,2002
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 <u>Neith Critician</u> and employed by <u>HSBCT</u>
have inspected the components described in this Owner's Report during the period 3-29-02
to $_{}$ and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the
Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Commissions <u>N.C. 1483</u> <u>ANZT</u>
$\begin{array}{c} \hline & \hline \\
Date 8-8-02

As Required By The Provisions Of	The ASME Code Section XI
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1.	OwnerDuke Power CompanyAddress526 S. Church Street, Charlotte, NC 28201-1006								5-1-02 L of L
2.	2. Plant Oconee Nuclear Station Address 7800 Rochester Hwy. Seneca, S.C. 296			.C. 29672					<u> </u>
2a.	Unit		] 2 🗌 3 <sup>-  - </sup> 🗋 Sha	red (specify Units	<u></u>	)		# 984270	065-03
3.	Address 52	Power Company Street, Charlotte, NC 2820 NA Authorization No. NA MAIN STEAM 4	Repair Organization Job # 3b. NSM or MM #						
			REACTOR COOLN			1332		59-11 1339- 59-11 1330	1/1336
5.	(a) Applica	ble Constructi	on Code ASME III	19 6 Edition, /	MMEX 967 Ac	Idenda,	///3	5 7-1/ 1330	Code Cases
	(b) Applica	ble Edition of 1 their sup	Section XI Utilized for Repa	airs or Replacements 1989,	No Addenda	(1992 through	1992 A	ddenda for Clas	s MC and
6.	Identificatio	on of Compone	ents Repaired or Replaced a	and Replacement Compon	ents		÷.		177 
,	Co	lumn 1	Column 2	Column 3	<sup>-</sup> 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	OTSG		BHW	620-000 3-55-	N-103	ŇA	1969	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Yes
в	LOWE	K FRIMAK WAY						Repaired     Replaced     Replacement	□ No □ Yes
c				• .				<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Yes
D								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
E								Repaired     Replaced     Replacement	□ No □ Yes
F		•						Repaired     Replaced     Replacement	□ No □ Yes

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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.

	Proprieto 1- 54 STI	D+1-2"NUT ON 1A-OTSG LOWER
7. Description of Wor	K REPORCED 1-6 JIM	PRIMARY MANWAY.
8. Test Conducted:	Hydrostatic Pneumatic X	Nominal Operating Pressure Other Exempt
	Pressure psig	Test Temp. <u>M.O.7.</u> °F
	Pressure psig	Test Temp °F
	Pressure psig	Test Temp °F
9. Remarks <u>REFE</u>	REWCE - INTERPRETATIO	N XE X1-1-89-08
<del></del>	· · · · · · · · · · · · · · · · · · ·	
	(Applicable Manufacturer	s Data Records to be Attached)
We certify that the of the ASME Code, s	•	<b>COMPLIANCE</b> ect and this repair or replacement conforms to the rules
Type Code Symbol S	Stamp N/A	
Certificate of Authori	zation No. N/A	Expiration Date N/A
	Owner of Owner's Designee, Title	Date AUGA (, 2002
	ī.	
Inspectors and the S to <u>3-9-0</u> , and taken corrective mea Section XI. By signing this cer concerning the exam Inspector nor his em	tate or Providence of <u>Month Checking</u> have inspected the components desc state that to the best of my knowledge a asures described in this Owner's Report rtificate, neither the Inspector nor his em inations and corrective measures descrip ployer shall be liable in any manner for a connected with this inspection.	the National Board of Boiler and Pressure Vessel and employed by $\underline{\mathcal{H} S \mathcal{B} \cdot CT}$ ribed in this Owner's Report during the period $\underline{\mathcal{D} \cdot \mathcal{D} \cdot \mathcal{D}}$ and belief, the Owner has performed examinations and in accordance with the requirements of the ASME Code, ployer makes any warranty, expressed or implied, bed in this Owner's Report. Furthermore, neither the any personal injury or property damage or a loss of any
Jinegen hym	Commissions <u>N.C.</u>	<u>/////</u>
Inspector's Sig	กลเบเษ เงลเ	ional Board, State, Providence and Endorsements
Date_ <u>F-</u> F-c-2		
		Page 2 of 2

As Required By The Provisions Of The ASME Code Section XI

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1.	Owner Duke Power Address 526 S. Churc	Company ch Street, Charlotte, NC 28	8201-1006	•				4-16-0
2.	Plant Oconee Nuc Address 7800 Roch	l <mark>ear Station</mark> ester Hwy. Seneca, S			Sheet _	of		
2a.	. Unit 🕅 1 🔗 🗌	] 2 🗌 3 🥤 🗂 Sha	ared (specify Units		) '		DEACIE	A car
3	Work Performed By Duke		, :		3a. V	Vork Orde	r # <u>98487</u> Repair Organi	zation Joh #
0.	Address 526 S. Church	Street, Charlotte, NC 2820 p N/A Authorization No. N/	01-1006 A Expiration Date N/A	•	36 N	' ISM or MA	л #NА	1
4.		EACTOR BOL			3 <b>0.</b> N		VI #	
			_	NA A	idenda. 🥻	NA .		Code Cases
0.	(5) Applicable Edition of CC and their sup	Section XI Utilized for Hepa	airs or Replacements 1989,	No Addenda	(1992 through	1992 . A	ddenda for Clas	s MC and
6.	Identification of Compone	ents Repaired or Replaced	and Replacement Compone	ents		• •		1
	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 FOR CRDM # 08	FRAMATOME TECH.	NA	NX	NA	2001	Repaired Replaced Replacement	Ø No □ Yes
в		•					<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
С							Repaired     Replaced     Replacement	No     Yes
D							<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes
E							<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes
F	:						Repaired     Replaced     Replaced     Replacement	□ No □ Yes

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a colletta al la servel a								
7. Description of Work REPLACED 8-18 BOLTS & I SET OF SPLIT RINGS ON								
8. Test Conducted: Hydrostatic Pneumatic X Nominal Operating Pressure Other X Exempt								
Pressure psig Test Temp °F								
Pressure psig Test Temp °F								
Pressure psig Test Temp °F								
9. Remarks <u>REFERENCE - INTERPRETATION XI-1-89-08</u>								
(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 AMM IN OA SOEC. Date AUG 1, 2002 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 <u>Nexth Chacluma</u> and employed by <u>14 S B - C K</u>								
Inspector's Signature National Board, State, Providence and Endorsements								
Date_8-8-02								

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As Required By The Provisions Of The ASME Code Section XI

			•						
1.	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	201-1006			- •_:	1a. Date _	<u>4-16-02</u> L of L
2.	2. Plant Oconee Nuclear Station Address 7800 Rochester Hwy. Seneca, S.C. 29672							Sheet _	10
2a.	Unit	]2	.) '		Doday	-77			
3.	Work Perfo	rmed By Duke	Power Company			3aWo	ork Orde	r # <u>984875</u> Repair Organiz	zation Job #
	Address 52	6 S. Church S	Street, Charlotte, NC 2820 p N/A Authorization No. N/	01-1006 A Expiration Date N/A				л # <u>//Х</u>	
	•••	• · ·	REACTOR COOLA	· · ·				и п / / ·	
			A · · ·			- 20	(		
5.	(a) Applica	ble Constructi	on Code ASME_TIT	19 <u>87</u> Edition, /	No Addenda	ddenda, <u>NN</u>	1992 4	denda for Clas	_Code Cases
6.	CC and	l their sup	ports.) ents Repaired or Replaced a	-		(I))2 Uniougn	/		5 110 and
	Co	iumn 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		1NG FOR n #09		NA	NX	1.FA	2001	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	I No □ Yes
B			ı				×	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes
С								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
D				-				<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes
E							•.	Repaired     Replaced     Replacement	□ No □ Yes
F							· -	Repaired     Replaced     Replacement	□ No □ Yes

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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 Wor	* REPLAC	ED 8-11/8	BOLTS O	- ISET .	DF SPLIT	Rinks	FOR CROM
8. Test Conducted:	Hydrost	atic 🗌 Pneumati	ic 🕅 Nomin	al Operating	Pressure	Other	A Exempt 09.
	Pressure	psig		Test Temp.	N.O.T	۰F	
	Prēssure	psig		Test Temp.		_°F	
	Pressure	psig		Test Temp.		_ °F	
9. Remarks <u>(EFE</u>	EACE -	INTERPRETAT	TION XI.	-1-89-0	8		·
		(Applicable Manufa	icturer's Data F	Records to be	Attached)	······	
We certify that the of the ASME Code, s Type Code Symbol S Certificate of Authori Signed	Section XI. Stamp N/A zation No. N	CERTIFICA made in the report a		this repair o Expiratio	r replaceme n Date N/A		ns to the rules
<u></u>	<u> </u>			• .			
Inspectors and the S to $\underline{F-\overline{S-o^2}}$ ; and taken corrective mea Section XI.	I, holding a va tate or Provid have inspe state that to the sures describ rtificate, neither inations and oployer shall be	cted the component he best of my knowl ed in this Owner's F er the Inspector nor corrective measures e liable in any mann	ed by the Nati <i>acture</i> is described in ledge and beliv Report in account his employer in described in the	onal Board o and emplo this Owner's ef, the Owner ruance with the makes any with this Owner's	f Boiler and F yed by Report durin has perform he requirement arranty, expression Report. Furth	<u>SB-C</u> ng the period ed examination of the second or in the second or in the second or in	od $3 - 29 - 2 - 2$ nations and ASME Code, nplied, either the
Inspector's Sig	 nature	Commissions	N.C. 142 National Be	Figure 1	RNII Providence ar		ements
Date_ 8-8-01	<u>.                                    </u>						

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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 4-16-02 Sheet of				
2.	Plant Address	Oconee Nucl 7800 Roche	ear Station ester Hwy. Seneca, S.							
3.	Address 52 Type Code	rmed By Duke 6 S. Church S Symbol Stam	Power Company Street, Charlotte, NC 2820 N/A Authorization No. N/A	3b. NSM or MM #						
4.	Identificatio	dentification of System <u>REACTOR</u> COLANT Class								
5.	(a) Applicable Construction Code <u>ASME TT</u> 19 89 Edition, <u>NN</u> Addenda, <u>NN</u> 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.	Identificatio	on of Compone	nts Repaired or Replaced a	:		· · · · · · · · · · · · · · · · · · ·	, , 			
	Co	lumn 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8	
÷		• •	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)	
A	BOLT. CRDW	ING FOR #05	FRAMATOME TECH.	NX	NX	XX.	2001	Repaired     Replaced     Replacement	Ino Information President Presiden	
в			•					Repaired     Replaced     Replacement	No     Yes	
c				·				Repaired     Replaced     Replacement	No     Yes	
D								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves	
E								Repaired     Replaced     Replacement	No Ves	
F				•				Repaired     Replaced     Replacement	No Ves	

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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 & 118 BOLTS + 1 SET OF SPLIT RINGS ON CROM								
7 05								
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other R Exempt								
Pressure psig Test Temp vF								
Pressure psig Test Temp °F								
Pressure psig Test Temp °F								
9. Remarks REFERENCE - INTERPRETATION X1-1-89-08								
· · · · · · · · · · · · · · · · · · ·								
(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								
Signed Xall Man and OA SPEC. Date AUG. 1, 2002								
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 Acath Chachard and employed by HSB-CT								
to $\frac{1}{2^{-3}-3^{-3}-3^{-3}}$ ; 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.								
Anti Commissions N.C. 1483 ANTI								
Mational Board, State, Providence and Endorsements								
Date f-f-or								

As Required By The Provisions Of The ASME Code Section XI

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1.	Owner Address	Company h Street, Charlotte, NC 28	1a. Date <u>4-30-02</u> Sheet <u>1</u> of <u>1</u>							
2.	Plant Oconee Nuclear Station Address 7800 Rochester Hwy. Seneca, S.C. 29672							Sneet	01	
2a.	Unit	2 🗌 3 🤚 🖓 Sha	) 10 Work Order # 984815514							
3.	Work Performed By Duke Power Company					3a. Work Order # <u>18485514</u> Repair Organization Job #				
	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 #				
4.	Identificatio	Identification of System_KEXCTOR COOLANT_ Class								
5.	(a) Applica	(a) Applicable Construction Code ASMETTE 1986 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								
	(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.)								s MC_and	
6.	Identificatio	on of Compone	ints Repaired or Replaced a	and Replacement Compone	ents	· ;	<u>i</u> .		<b></b>	
:	Co	lumn 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	BOLTI CRDN	NG FOR #04	FRAMATOME TECH.	NA	NA	ŅА	2001	Repaired     Replaced     Replaced     Replacement	No Yes	
в							•	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes	
c		د						<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes	
D								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Yes	
E		•						Repaired     Replaced     Replacement	No Ves	
F								Repaired     Replaced     Replacement	No     Yes	

Page 1 of 2

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 KEPLACED 8-11/8" BOLTS & I SET OF SPLIT RINGS ON
7. Description of Work <u>NEPLACED 8-118 BOLIS (15E1 OF SPLIT KINGS UN</u>
8. Test Conducted: Hydrostatic . Pneumatic X Nominal Operating Pressure Other X Exempt
Pressure psig Test Temp. <u>N.O.T.</u> °F
Pressure psig Test Temp °F
Pressure psig Test Temp °F
9. Remarks <u>LEFERENCE - INTERPRETATION X1-1-89-08</u>
(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
Signed All Man Chill RA SPEC, Date All 1, 2002
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 <u>Neith Croding</u> and employed by <u>HSB.CT</u> have inspected the components described in this Owner's Report during the period <u>3-29-02</u>
to <u>3-5-c-</u> ; 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.
Gayenly Commissions N.C. 1483 AIVE
Ipspector's Signature         National Board, State, Providence and Endorsements           Data         Reference
Date frage con
Page 2 of 2

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required By The Provisions Of The ASME Code Section XI 1a. Date 10-9-03 1. Owner **Duke Power Company** 526 S. Church Street, Charlotte, NC 28201-1006 Address Sheet \_\_\_\_\_ of \_\_\_\_\_ <sup>1</sup> Oconee Nuclear Station 2. Plant 7800 Rochester Hwy. Seneca; S.C. 29672 . Address 1 1 Shared (specify Units\_  $\square 2$  $\square_3$ 2a. Unit 3a. Work Order # 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 # 4. Identification of System Class Code Cases 5. (a) Applicable Construction Code 'Edition. Addenda. (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 4 Column 5 Column 3 Col. 6 Column 7 Column 8 ASME Code National Repaired. Manufacturer. Other Year Name of Component Name of Manufacturer Replaced, or Board Stamped Identification Serial Number **Built** Number Replacement (yes or no) R.B. ENERGY STEEL UTC'.NO. Repaired Ð No NPT.30020I01 NA 7003 Replaced А STRATION +SUPPLY Co. 1860205 X Yes X Replacement Repaired No Replaced В 'MOG3 П Yes Replacement UTC NO. EVERGY STEEL NPT 300 20 IOX-**Repaired** Π No  $\mathcal{N}\mathcal{A}$ Replaced 2003 C 1060205 RATION tSupply Co. Yes Repaired  $\Box$ No D Replaced Yes Replacement Repaired No Replaced Ε Yes Replacement Repaired Π No F Replaced Π Yes **Replacement** 

Page 1 of 2

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.

	 <b>,</b>	_				
7. Description of Wo	rk <u>Modi FIE</u> I	TENETRA	TIONS IRX	PUIMOL	3+64	• •
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Oper	ating Pressure	X Other	Exempt
	Pressure	psig	Test Te	mp	°F	
	Pressure	psig	Test Te	mp	°F	• •
	Pressure	psig	Test Ter	mp	°F	
9. Remarks	AK RATE	TEST P	<u>TII   A 10150</u>	163A		
	·	· · · ·		·····		· · · · · · · · ·
	(App	plicable Manufactu	ırer's Data Records	to be Attached)		-
We certify that the of the ASME Code,	e statements made		OF COMPLIAN correct and this rep		nent conform	ns to the rules
Type Code Symbol	Stamp N/A	1				• •
Certificate of Author	ization No. N/A	1	Exp	piration Date N/	٩	
	Owner or Owner	DA <u>SDEC</u> 's Designee, Title	Date	<u>DEC10,20</u>	<u>93</u>	
				· <u> </u>		· · · · · · · · · · · · · · · · · · ·
	-		<b>NSERVICE INSE</b>			
I, the undersigned	d, holding a valid co	mmission issued	by the National Bo	ard of Boller an	d Pressure V	<u>/e</u> ssel
Inspectors and the S			described in this Ow		uring the peri	od 10/13/03
to; and	state that to the be	•		•	• •	
taken corrective me	acume described in	this Owner's Re	ort in accordance y	with the require	ments of the	ASME Code

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.

Section XI."

kind arising from or connected with this inspection.		Ì
Nonly Chitchel Shryfter Commissions_	NC1169ABNI	ار ا
Inspector's Signature	National Board, State, Providence and Endorsements	
Date 12/10/03		

11/25/03	TUE	16:01	FAX	864	885	4001	
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	N-2 CERTIFICATE HOLD 'NUCLEAR PARTS a equired by the Provisio Not to Exceed (	AND APPURTENAN	CES* ode, Section III	AL Pg. 1 of
anufactured and certified by	Energy Steel 8	Supply Co. 2715 Paid		lins, MI 48326
lanufactured for	Duke Energy Corporation,	frome and address of HPT 13225 Hagers Ferry Ro		C 28078-8985
		Iname and eddress of purcha	ser)	1
ocation of installation	, Duke Energy Corpo	Iname and address		. 5C 29612 V
ype	See Remarks	70 ksi	N/A tCRN1	2003
SME Code, Section III, Division 1:	1002	1992	NC 2 and NE M	tveer built
Sme Code, Section III, Division 1:	(edition)	føddende date)	. (class)	(Code Case po.)
bricated in accordance with Const.	. Spec. (Div, 2 only)	Revision		Date
marks: Duke Power PO NM131	, 82 and Specification No. OS		00; Hydro of Proc	ess Pige only.
ata Report Line 4 Material Spec a	and Tensile Stength as follow	vs: Pipe - SA106 Gr C	70ksi Code Class	MC: Ellipsoidal Head -
A 516-Gr 70 70ksi Code Class M m. thickness (in.)562 M	MC: Pipe - SA312 TP316L	Oksi Code Class 2; Cap	- SA403 WP316L	. 70ksi Code Class 2
ien appreable, certificate noiders	Data Reports are attached fo	r each item of this report	-	
Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Ap	- purtenance Number	National Board No. In Numerical Order
Part or Appurtenance Serial Number	National Board No.	Part or Ap Serial I	purtenance Number	Board No.
Part or Appurtenance Serial Number (1) NPT30020101-1	National Board No.	Part or Ap	purtenance Number	Board No.
Part or Appurtenance Serial Number 11 NPT30020101-1 21 NPT30020101-2	National Board No.	Part or Ap Serial ( (26) (27) (28)	purtenance Number	Board No.
Part or Appurtenance Serial Number (1) NPT30020101-1 (2) NPT30020101-2 (3)	National Board No.	Part or Ap Serial ( (26) (27) (28) (29)	purtenance Number	Board No.
Part or Appurtenance Serial Number (1) NPT30020101-1 (2) NPT30020101-2 (3)	National Board No.	Part or Ap Serial ( (26) (27) (28)	purtenance Number	Board No.
Part or Appurtenance Serial Number	National Board No.	Part or Ap Serial ( (26) (27) (28) (29) (30) (31) (32)	purtenance Number	Board No.
Part or Appurtenance Serial Number	National Board No.	Part or Ap Serial ( (26) (27) (28) (29) (30) (31) (31) (32) (33)	purtenance Number	Board No.
Part or Appurtenance Serial Number	National Board No.	Part or Ap Serial ( (26) (27) (28) (29) (30) (31) (32)	purtenance Number	Board No.
Part or Appurtenance Serial Number	National Board No.	Part or Ap Serial ( (26) (27) (28) (29) (30) (31) (31) (32) (33) (34) (35) (36)		Board No.
Part or Appurtenance Serial Number	National Board No.	Part or Ap Serial ( (26) (27) (28) (29) (30) (31) (31) (31) (32) (33) (34) (35) (36) (37)		Board No.
Part or Appurtenance Serial Number	National Board No.	Part or Ap Serial ( (26) (27) (28) (29) (30) (31) (31) (32) (33) (34) (35) (36)	purtenance Number	Board No.
Part or Appurtenance Serial Number	National Board No.	Part or Ap Serial ( (26) (27) (28) (29) (30) (31) (31) (32) (33) (33) (34) (35) (36) (36) (37) (38) (39) (40)		Board No.
Part or Appurtenance Serial Number	National Board No.	Part or Ap Serial (           (26)           (27)           (28)           (30)           (31)           (32)           (33)           (34)           (35)           (36)           (37)           (38)           (39)           (40)		Board No.
Part or Appurtenance Serial Number         (1)       NPT30020101-1         (2)       NPT30020101-2         (3)	National Board No.	Part or Ap Serial ( (26) (27) (28) (29) (30) (31) (31) (32) (33) (33) (34) (35) (36) (36) (37) (38) (39) (40)		Board No.
Part or Appurtenance Serial Number         (1)       NPT30020101-1         (2)       NPT30020101-2         (3)	National Board No.	Part or Ap Serial (           (26)           (27)           (28)           (30)           (31)           (32)           (33)           (34)           (35)           (36)           (37)           (38)           (39)           (40)           (41)		Board No.
Fart or Appurtenance Serial Number         (1)       NPT30020101-1         (2)       NPT30020101-2         (3)	National Board No.	Part or Ap Serial (           (26)           (27)           (28)           (30)           (31)           (32)           (33)           (34)           (35)           (36)           (37)           (38)           (40)           (41)           (42)           (43)           (44)	purtenance Number	Board No.
Part or Appurtenance Serial Number         (1)       NPT30020101-1         (2)       NPT30020101-2         (3)	National Board No.	Part or Ap Serial (           (26)           (27)           (28)           (30)           (31)           (33)           (34)           (35)           (36)           (37)           (38)           (39)           (40)           (41)           (42)           (43)           (44)           (46)	purtenance Number	Board No.
Fart or Appurtenance Serial Number         (1)       NPT30020101-1         (2)       NPT30020101-2         (3)	National Board No.	Part or Ap Serial (           (26)           (27)           (28)           (30)           (31)           (32)           (33)           (34)           (35)           (36)           (37)           (38)           (40)           (41)           (42)           (43)           (44)	purtenance Number	Board No.
Part or Appurtenance Seriel Number           (1)         NPT30020101-1           (2)         NPT30020101-2           (3)	National Board No.	Part or Ap Serial (           (26)           (27)           (28)           (30)           (31)           (33)           (34)           (35)           (36)           (37)           (38)           (40)           (41)           (42)           (43)           (44)           (47)	purtenance Number	Board No.

plemental information in the form of lists, sketches, or drawings may be used provided (1) size is B½ x 11, (2) information in items Z and 3 on this Data Report is ed on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

									C
				NER'S REPORT FOR By The Provisions C					
	1.	Owner Duke Power Address 526 S. Churc	Company ch Street, Charlotte, NC 28	3201-1006		••.			<u>10-28-0</u> 3
		Plant <sup>1</sup> Oconee Nuc Address 7800 Roch	lear Station ester Hwy. Seneca; S.	.C. 29672 .		•		Sneet _	01
:	2a.		] 2 🗌 3 🤺 🗍 Sha	red (specify Units	à	.) 3a. W	ork Orde		351
	3.	Work Performed By Duke Address 526 S. Church S Type Code Symbol Stam	Power Company Street, Charlotte, NC 2820 p N/A Authorization No. N/	01-1006 A Expiration Date N/A	:		SM or M	Repair Organi	zation Job #
			IQUID WASTE DIS.		SI SI	IS. ANSI B	31.7	2/1968 W/61	1968 xddadd
		CC and their sup	Section XI Utilized for Repa		, No Addendá	ddenda, (1992 through	<u>NR</u> 1992 A	ddenda for Clas	Code Cases
ĺ		Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Čolumn 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	VLV. 1LWD.Z	ITT	lA5680-1-3	8269	UTC# 1016464	2000	Repaired     Replaced     Replacement	□ No ☑ Yes
	В	VLV. I-LWD-Z	ITT	NA	NA	NA	NA	Repaired     Replaced     Replacement	X No
	С							Repaired     Replaced     Replacement	No     Yes
	D							Repaired     Replaced     Replaced     Replacement	□ No □ Yes
	E			÷				Repaired     Replaced     Replacement	No Yes
	F							Repaired     Replaced     Replaced     Replacement	No Yes

Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size NOTE: 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 Wor	* KARLAC	ED VIV.	1LWD-002	-		
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating	Pressure	🗌 Other	Exempt
	Pressure	<u></u> psig	Test Temp.	KIO,T	°F	
	Pressure	psig	Test Temp.	<u></u>	°F	
	Pressure	psig	Test Temp.	<u> </u>	°F	
9. Remarks	2FORME	DS45.	LEAR TES	THA	DE	PER
AST	NE COL	DE CAS	E N-416-	/,		
·		· · · · · · · · · · · · · · · · · · ·				
IES	J NO.12	FRN-68.	3			· · · · · · · · · · · · · · · · · · ·
	(App	blicable Manufactu	irer's Data Records to be	Attached)		
		CERTIFICATE	OF COMPLIANCE			·,~~
We certify that the of the ASME Code, S		in the report are	correct and this repair c	or replacem	ent conform	ns to the rules
Type Code Symbol S	Stamp N/A					<b></b>
Certificate of Authori	zation No. N/A	<b>1</b> .	Expiratio	on Date N/A		
Signed Xam	WUCIMACH	DA THE	C. Date D	EC 10,0	2003	
and the first	Owner or Owner	's Designee, Title	Dulo			
		······································	· ·	· ·		

### **CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Providence of \_\_\_\_\_\_ and employed by HSBET have inspected the components described in this Owner's Report during the period \_1/17/03 to 12/10/03 ; 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

Date

Commissions

A, J. National Board, State, Providence and Endorsements

195094

FORM NPV-1 CERI As Required b	•						
1. Manufactured by 2. Manufactured for 1	ITT Engineered V (Name and Address	of N Certi	ficate Holder)	, -	Lancas	ster, PA 170	603
2. Manufactured for 1	(Name and Addre			201			
3. Location of Install:	ation Oconee Nucl			ens Hwy.	(sc	HWY 183) Se	eneca, S
4. Pump or Valve	Valves	Nominal in	i Address) let size (in)	2"	Out:	let Size (in)	_2"
(a) Model No., (b) N Series No. or Type -	Certificate Holder's Serial No.		•	(e)	- Class	(f) Nat'l Bd. No.	(g) Yeau Buil
	ve 645680-1-1		SD-D-118112		2	8267	2000
(2) <u>Diaphragm Val</u> (3) Diaphragm Val		NA NA	SD-D-118112 SD-D-118112		2	<u> </u>	2000
(4) <u>Diaphiagm var</u>			OD D HIUHA				2000
(5)							
(6) (7)	<u> </u>					·····	
(8)	• • • • • • • • • • • • • • • • • • •				· · · · ·		·
(9)					_		
(10)5(Brief	Nuclear description of serv	Power Pla vice for whi		s designed	1)		
5	description of serv <u>100</u> p (Pressure)	vice for whi	ch equipment was			are Class	150
5(Brief 6. Design Conditions	description of serv <u>100</u> p (Pressure) re <u>205</u>	vice for whi	ch equipment was 300 °r mperature)			re Class	150
5(Brief 6. Design Conditions 7. Cold Working Pressur	description of serv <u>100</u> p (Pressure) re <u>205</u>	vice for whi	ch equipment was <u>300</u> °F mperature) at 100°F.			nre Class	
5. (Brief 6. Design Conditions 7. Cold Working Pressur 8. Pressure Retaining F	description of serv <u>100</u> p (Pressure) re <u>205</u> Pieces	vice for whi	ch equipment was <u>300</u> °F mperature) at 100°F.	or Valve			
5. (Brief 6. Design Conditions 7. Cold Working Pressur 8. Pressure Retaining F Mark No.	description of serv <u>100</u> p (Pressure) re <u>205</u> Pieces	rice for whi	ch equipment was <u>300</u> °F mperature) at 100°F. Mar	or Valve			
5. (Brief 6. Design Conditions 7. Cold Working Pressur 8. Pressure Retaining E Mark No. (a) Castings	description of serv <u>100</u> p (Pressure) re <u>205</u> Pieces <u>Material S</u>	rice for whi	ch equipment was <u>300</u> °F mperature) at 100°F. Mar Post Prec	or Valve nufacturer ision		Reman Heat #s 1	rks
5. (Brief 6. Design Conditions 7. Cold Working Pressur 8. Pressure Retaining E Mark No. (a) Castings Bodies	description of serv <u>100</u> p (Pressure) re <u>205</u> Pieces <u>Material S</u>	rice for whi	ch equipment was <u>300</u> °F mperature) at 100°F. Mar	or Valve nufacturer ision		Reman	rks
5. (Brief 6. Design Conditions 7. Cold Working Pressur 8. Pressure Retaining E Mark No. (a) Castings	description of serv <u>100</u> p (Pressure) re <u>205</u> Pieces <u>Material S</u>	rice for whi	ch equipment was <u>300</u> °F mperature) at 100°F. Mar Post Prec	or Valve nufacturer ision		Reman Heat #s 1	rks
5(Brief 6. Design Conditions 7. Cold Working Pressur 8. Pressure Retaining E  Mark No. (a) Castings  Bodies	description of serv <u>100</u> p (Pressure) re <u>205</u> Pieces <u>Material S</u> ASME SA351 Gr	ice for whi	ch equipment was <u>300</u> °F mperature) °F at 100°F. Mar Post Prec Castings,	or Valve		Reman Heat #s 1	THIC-
5	description of serv <u>100</u> p (Pressure) re <u>205</u> Pieces Material S ASME SA351 Gr	ice for whi	ch equipment was <u>300</u> °F mperature) °F at 100°F. Mar Post Prec Castings,	or Valve nufacturer ision Inc. ision		Reman Heat #s 1 1,-4,-5	rks FMTC-
5	description of serv <u>100</u> p (Pressure) re <u>205</u> Pieces Material S ASME SA351 Gr	ice for whi	Ch equipment was 300 °F mperature) °F at 100°F. Mar Post Prec Castings, Post Prec	or Valve nufacturer ision Inc. ision		Reman Heat #s 1 1,-4,-5 Heat # FS:	TR-
5	description of serv <u>100</u> p (Pressure) re <u>205</u> Pieces Material S ASME SA351 Gr	cade CF8	Ch equipment was 300 °F mperature) °F at 100°F. Mar Post Prec Castings, Post Prec	or Valve nufacturer ision Inc. ision		Reman Heat #s 1 1,-4,-5 Heat # FS:	TR-
5	description of serv <u>100</u> p (Pressure) re <u>205</u> Pieces Material S ASME SA351 Gr	rice for whi osi (Te psi pec. No. cade CF8 cade CF8	Ch equipment was 300 °F mperature) °F at 100°F. Mar Post Prec Castings, Post Prec	or Valve nufacturer ision Inc. ision		Reman Heat #s 1 1,-4,-5 Heat # FS: W12, -W13,	TR-
5	description of serv <u>100</u> p (Pressure) re <u>205</u> Pieces Material S ASME SA351 Gr	rice for whi osi (Te psi pec. No. cade CF8 cade CF8	Ch equipment was 300 °F mperature) °F at 100°F. Mar Post Prec Castings, Post Prec	or Valve nufacturer ision Inc. ision		Reman Heat #s 1 1,-4,-5 Heat # FS: W12, -W13,	TR-
5	description of serv <u>100</u> p (Pressure) re <u>205</u> Pieces Material S ASME SA351 Gr	rice for whi osi (Te psi pec. No. cade CF8 cade CF8	Ch equipment was 300 °F mperature) °F at 100°F. Mar Post Prec Castings, Post Prec	or Valve nufacturer ision Inc. ision		Reman Heat #s 1 1,-4,-5 Heat # FS: W12, -W13,	TR-
5	description of serv <u>100</u> p (Pressure) re <u>205</u> Pieces Material S ASME SA351 Gr	rice for whi osi (Te psi pec. No. cade CF8 cade CF8	Ch equipment was 300 °F mperature) °F at 100°F. Mar Post Prec Castings, Post Prec	or Valve nufacturer ision Inc. ision		Reman Heat #s 1 1,-4,-5 Heat # FS: W12, -W13,	TR-
5	description of serv <u>100</u> p (Pressure) re <u>205</u> Pieces Material S ASME SA351 Gr	rice for whi osi (Te psi pec. No. cade CF8 cade CF8	Ch equipment was 300 °F mperature) °F at 100°F. Mar Post Prec Castings, Post Prec	or Valve nufacturer ision Inc. ision		Reman Heat #s 1 1,-4,-5 Heat # FS: W12, -W13,	rks FMTC- IR-

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Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	<u></u>	· · · · · · · · · · · · · · · · · · ·	
Studs	ASME SA453, Grade 660 B	Nova Machine Corp.	Heat # 523042
Nuts	ASME SA194, Grade 8	Allied Nut & Bolt	Heat # 168827
	ASME SAIS4, GIAGE 6	Allied Nut & Bolt	Heat # 168827
	_ <u> </u>		
·	•		
(d) Other Parts			
Vent Plug	ASME SA479 Type 410	Nova Machine Products	Heat <b>#</b> 527348
-			
Hydrostatic test	450 psi Disk differen		si
	CERTIFICATE OF C	·	
We certify that the stat	tements made in this report are corr ops of the ASME Code for Nuclear Pow	rect and that this pump, or va	lve, conforms to
	Addenda Winter 1978		Date 3/16/0
SignedITT Engine	ered Valves	by <u>Rill</u>	nl
Our ASME Certificate of	Authorization No. N2649 to use	the <u>N</u> symbol expires	7/6/99
	(N)		(Date)
		DESTGN	
	CERTIFICATION O		•
Design information on fi			ar.PA 17603
Stress Analysis Report (	ile at Engineered Valves, 33 (Class 1 only) on file at	Centerville Rd,Lancaste	er, PA 17603
Stress Analysis Report ( Design Specifications ce	ile at Engineered Valves, 33 (Class 1 only) on file at artified by (1) Terry L. Edwa	Centerville Rd,Lancaste NA rds	er, PA 17603
Stress Analysis Report ( Design Specifications co PE State <u>NC</u> Stress Analysis Certific	ile at Engineered Valves, 33 (Class 1 only) on file at artified by (1) Terry L. Edwa Reg. No. 1114 ad by (1) NA	Centerville Rd,Lancaste NA rds	er, PA 17603
Stress Analysis Report ( Design Specifications co PE State <u>NC</u> Stress Analysis Certific	ile at Engineered Valves, 33 (Class 1 only) on file at artified by (1) Terry L. Edwa Reg. No. 1114	Centerville Rd,Lancaste NA rds	er, PA 17603
Stress Analysis Report ( Design Specifications co PE State <u>NC</u> Stress Analysis Certific	ile at Engineered Valves, 33 (Class 1 only) on file at artified by (1) Terry L. Edwa Reg. No 1114 ad by (1) NA Reg. No NA	Centerville Rd,Lancaste NA Irds 19	er, PA 17603
Stress Analysis Report Design Specifications ce PE State <u>NC</u> Stress Analysis Certifie PE State <u>NA</u>	ile at Engineered Valves, 33 (Class 1 only) on file at artified by (1) Terry L. Edwa Reg. No. 1114 ad by (1) NA	Centerville Rd,Lancaste NA Irds 19	er, PA 17603
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Stress Analysis Report ( Design Specifications co PE State NC Stress Analysis Certific PE State NA 	ile at Engineered Valves, 33 (Class 1 only) on file at artified by (1) Terry L. Edwa Reg. No ad by (1) Reg. No CERTIFICATE OF SHOM ding a valid commission issued by the State or Province of Penn	Centerville Rd, Lancaste NA Inds 19 P INSPECTION Y the National Board of Bo	biler and Pressure H.S.B.I. & I.
Stress Analysis Report Design Specifications co PE State NC Stress Analysis Certific PE State NA 	ile at <u>Engineered Valves, 33</u> (Class 1 only) on file at artified by (1) <u>Terry L. Edwa</u> Reg. No. <u>1114</u> ad by (1) <u>NA</u> Reg. No. <u>NA</u> <u>CERTIFICATE OF SHOM</u> ding a valid commission issued by the State or Province of <u>Penn</u> tford, Connecticut have inspec	Centerville Rd, Lancaste NA Irds 19 P INSPECTION y the National Board of Be nsylvania and employed by ected the pump, or valve, des that to the best-of my knowle	Diler and Pressure H.S.B.I. & I. cribed in this Data edge and belief, the
Stress Analysis Report ( Design Specifications co PE State NC Stress Analysis Certifie PE State NA 	ile at <u>Engineered Valves, 33</u> (Class 1 only) on file at artified by (1) <u>Terry L. Edwa</u> Reg. No. <u>1114</u> ad by (1) <u>NA</u> Reg. No. <u>NA</u> CERTIFICATE OF SHOM ding a valid commission issued by the State or Province of <u>Penn</u> tford, Connecticut have inspected and state s constructed this pump, or valve, i	Centerville Rd, Lancaste NA Inds 19 P INSPECTION y the National Board of Be nsylvania and employed by ected the pump, or valve, des that to the best-of my knowled in accordance with the ASME Co	biler and Pressure H.S.B.I. & I. cribed in this Data edge and belief, the ode, Section III.
Stress Analysis Report ( Design Specifications co PE State NC Stress Analysis Certific PE State NA 	ile at <u>Engineered Valves, 33</u> (Class 1 only) on file at artified by (1) <u>Terry L. Edwa</u> Reg. No. <u>1114</u> ad by (1) <u>NA</u> Reg. No. <u>NA</u> CERTIFICATE OF SHOM ding a valid commission issued by the State or Province of <u>Penn</u> tford, Connecticut have inspe , and state s constructed this pump, or valve, i icate, neither the Inspector nor equipment described in this Data	Centerville Rd, Lancaste NA rds 19 P INSPECTION y the National Board of Be nsylvania and employed by ected the pump, or valve, des that to the best of my knowle in accordance with the ASME Co his employer makes any warr Report. Furthermore, neither	biler and Pressure H.S.B.I. & I. cribed in this Data adge and belief, the ode, Section III. canty, expressed or r the Inspector nor
Stress Analysis Report ( Design Specifications co PE State NC Stress Analysis Certific PE State NA 	ile at <u>Engineered Valves</u> , 33 (Class 1 only) on file at artified by (1) <u>Terry L. Edwa</u> Reg. No. <u>1114</u> ad by (1) <u>NA</u> Reg. No. <u>NA</u> CERTIFICATE OF SHOM ding a valid commission issued by the State or Province of <u>Penn</u> tford, Connecticut have inspe , and state s constructed this pump, or valve, i ficate, neither the Inspector nor equipment described in this Data iable in any manner for any personal	Centerville Rd, Lancaste NA rds 19 P INSPECTION y the National Board of Be nsylvania and employed by ected the pump, or valve, des that to the best of my knowle in accordance with the ASME Co his employer makes any warr Report. Furthermore, neither	biler and Pressure H.S.B.I. & I. cribed in this Data adge and belief, the ode, Section III. canty, expressed or r the Inspector nor
Stress Analysis Report ( Design Specifications co PE State NC Stress Analysis Certific PE State NA 	ile at <u>Engineered Valves, 33</u> (Class 1 only) on file at artified by (1) <u>Terry L. Edwa</u> Reg. No. <u>1114</u> ad by (1) <u>NA</u> Reg. No. <u>NA</u> <u>CERTIFICATE OF SHOM</u> ding a valid commission issued by the State or Province of <u>Penn</u> tford, Connecticut have inspected in the state s constructed this pump, or valve, is icate, neither the Inspector nor equipment described in this Data iable in any manner for any personal ed with this inspection.	Centerville Rd, Lancaste NA Irds 19 P INSPECTION y the National Board of Bo nsylvania and employed by ected the pump, or valve, des that to the best of my knowle in accordance with the ASME Co his employer makes any warr Report. Furthermore, neither 1 injury or property damage or	biler and Pressure H.S.B.I. & I. cribed in this Data adge and belief, the ode, Section III. canty, expressed or r the Inspector nor
Stress Analysis Report ( Design Specifications co PE State NC Stress Analysis Certific PE State NA	ile at <u>Engineered Valves, 33</u> (Class 1 only) on file at artified by (1) <u>Terry L. Edwa</u> Reg. No. <u>1114</u> ad by (1) <u>NA</u> Reg. No. <u>NA</u> <u>CERTIFICATE OF SHOM</u> ding a valid commission issued by the State or Province of <u>Penn</u> tford, Connecticut have inspected in the state s constructed this pump, or valve, is icate, neither the Inspector nor equipment described in this Data iable in any manner for any personal ed with this inspection.	Centerville Rd, Lancaste NA rds 19 P INSPECTION y the National Board of Be nsylvania and employed by ected the pump, or valve, des that to the best of my knowle in accordance with the ASME Co his employer makes any warr Report. Furthermore, neither	biler and Pressure H.S.B.I. & I. cribed in this Data adge and belief, the ode, Section III. canty, expressed or r the Inspector nor
Stress Analysis Report ( Design Specifications co PE State NC Stress Analysis Certific PE State NA 	ile at <u>Engineered Valves, 33</u> (Class 1 only) on file at artified by (1) <u>Terry L. Edwa</u> Reg. No. <u>1114</u> ad by (1) <u>NA</u> Reg. No. <u>NA</u> CERTIFICATE OF SHON ding a valid commission issued by the State or Province of <u>Penn</u> tford, Connecticut have inspe- <u>19</u> (100), and state s constructed this pump, or valve, is icate, neither the Inspector nor equipment described in this Data iable in any manner for any personal ed with this inspection. <u>Commissions</u>	Centerville Rd, Lancaste NA Irds 19 P INSPECTION y the National Board of Bo nsylvania and employed by ected the pump, or valve, des that to the best of my knowle in accordance with the ASME Co his employer makes any warr Report. Furthermore, neither 1 injury or property damage or	biler and Pressure H.S.B.I. & I. cribed in this Data edge and belief, the ods, Section III. canty, expressed or r the Inspector nor c a loss of any kind

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S/N 645680-1-1 thru 1-3 PAGE 4 of 179

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

-							and the second	
1.	Owner Duke Power Address 526 S. Churc	Company ch Street, Charlotte, NC 28	3201-1006	ı	· · · · · · · · · · · · · · · · · · ·	•		<u>10-29-0</u>
2.	Plant <sup>1</sup> Oconee Nuc Address 7800 Roch	lear Station; ester Hwy. Seneca; Sa	.C. 29672		··· ·		Sueer _	<u> </u>
2a.		] 2 🛄 3 🤚 🗍 Sha	ared (specify Units		.)		r# <u>982429</u>	148
3.	Work Performed By Duke Address 526 S. Church	Power Company Street, Charlotte, NC 282(	01-1006	1	•		Repair Organiz	
	Type Code Symbol Stam	p N/A Authorization No. N/	A Expiration Date N/A	4			TR 1453	
4.	Identification of System	LIQUID WASTE D	USPOSAL Class_2	HED X	X ANSI 831	172	68EDITION	W/6/
5.	(a) Applicable Constructi	on Code ASME III	19 <u>77</u> Edition, <u>19</u>	<u>78</u> A	ddenda,	MA	/	_Code Cas
6.	CC and their sup	Section XI Utilized for Repa ports.) ants Repaired or Replaced a			(1992 through	1992 A	ddenda for Clas	s MC and
	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 Co Stamper (yes or n
A	VLV. 12WD-1	ITT	648075-3-2	8271	UTC # 1018752	tooo	Repaired     Replaced     Replaced     Replacement	No Var Yes
в	VLV. ILWD-1	ITT	NO INFORM. NA	ATION A. NA	VAILABLE, NA	NX	Repaired Replaced Replacement	No Ve
c	PIPING	D.P.Co.	NA NA	NA	NA	7/73	Repaired     Replaced     Replaced     Replacement	X No
D		7					Repaired     Replaced     Replacement	No Ve
E							Repaired     Replaced     Replacement	No
F					·		Repaired     Replaced     Replacement	

is 8 1/2 in	ental sheets in form of lists, sketches, or drawings may be used, provided (1) size n. x 11 in. (2) information in items 1 through 6 on this report is included on each d (3) each sheet is numbered and the number of sheets is recorded at the top of
7. Description of Wor	* TEPLACED VIII. 1 LWD-1 + ASSOCIATED PIPING.
8. Test Conducted:	Hydrostatic Pneumatic KNominal Operating Pressure Other Exempt
	Pressure <u>60</u> psig Test Temp. <u>N.O.T.</u> °F
	Pressurepsig Test Temp °F
	Pressurepsig Test Temp °F
	EN-416-1
	5T# 12 FRN-683
<del>• - 6 </del>	(Applicable Manufacturer's Data Records to be Attached)
We certify that the of the ASME Code, \$	CERTIFICATE OF COMPLIANCE a statements made in the report are correct and this repair or replacement conforms to the rules Section XI.
Type Code Symbol S	Stamp N/A
Certificate of Authori:	zation No. N/A Expiration Date N/A
Signed ( AM	Owner of Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	, holding a valid commission issued by the National Board of Boller and Pressure Vessel
Inspectors and the S	tate or Providence of <u>North Carolina</u> and employed by <u>MSB CT</u> , have inspected the components described in this Owner's Report during the period <u>3/27/03</u>
	state that to the best of my knowledge and belief, the Owner has performed examinations and
	sures described in this Owner's Report in accordance with the requirements of the ASME Code,
Section XI. By signing this cer	rtificate, neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the exam	inations and corrective measures described in this Owner's Report. Furthermore, neither the
	ployer shall be liable in any manner for any personal injury or property damage or a loss of any

Date\_11/21/03

Inspector's Signature

Commissions <u>NC1444 NTRBC</u> National Board, State, Providence and Endorsements

FORM NPV-1 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	ITT Engineered Va			Road, L	ancas	ter, PA 17	603
· · · · ·	(Name and Address	of N Certifi	cate Holder)				
2. Manufactured for I	uke Power Company	y, Charlot	te, NC 28	201			
	(Name and Address						
3. Location of Installa	tion Oconee Nucle	ar Station	155 Pick	ens Hwy.	(SC E	WY 183) Se	eneca, So
		(Name and A					
	Voluee			2" V	/		2"
. Pump or Valve	Valves	Nominal inle (in		<u>2" V</u>	_ Outl	et Size (in)	
		) Canadian	-		-		4.1 M .
Series No. or Type	Serial No.	Registration No.	(d) Drawing No.	(e) C	lass	(f) Nat'l Bd. No.	(g) Year Buil
(1) Diaphragm Val	ve 648075-3-1	NA S	D-D-118135	Rov A	2	8270	2000
(2) Diaphragm Val			D-D-118135		2	8271	2000
(3) Diaphragm Val		NA SI	D-D-118135	Rev A	2	8272	2000
(4)							
	•	· · · · · · · · · · · · · · · · · · ·					<u> </u>
(6) (7)	•		· · ·			······································	
(8)					<u> </u>	·	
~~~~							
(10)							
		· · · ·					
. Cold Working Pressur		psi a	t 100°F.				
. Pressure Retaining F			·		7		
Mark No.	Material Sp	ec. No.	Ма	nufacturer			rks
(a) Castings		/					
Bodies	ASME SA351 Gra	ade CF8	Post Pre	cision		Heat #s	FVRB-
			Castings	, Inc.		2,-4, & -	 5
				·			·
Bonnets	ASME SA351 Gra	de CFA	Stainles	s Foundry	7	Heat # 53	
			Dearnies				795-2
			& Engine	ering		-5, & -6	795-2
				ering			795-2
(b) Forgings				ering			795-2
(b) Forgings				ering .			795-2
(b) Forgings				ering			795-2
(b) Forgings				ering			795-2
(b) Forgings				ering			795-2
(b) Forgings				ering			795-2
(b) Forgings				ering .			795-2

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Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			······
Studs	ASME SA453, Grade 660 B	Nova Machine Corp.	Heat # 525435
Nuts	ASME SA194, Grade 8	Allied Nut & Bolt	Heat # 168827
<u> </u>	· ·		
			·
		· · · · · · · · · · · · · · · · · · ·	
<u> </u>			
		-	
·			
(d) Other Parts	· · · · · · · · · · · · · · · · · · ·		
Vent Plug	ASME SA479 Type 410	Nova Machine Products	Heat # 527348
<u></u>			
L. Hýdrostatic test	450 psi Disk differen	ntial pressure <u>80</u> p	si
· · · · · · · · · · · · · · · · · · ·	CERTIFICATE OF C	OMPLITANCE	
			•••••••
	tements made in this report are corr ong-of the ASME Code for Nuclear Pow		
Edition 1977	Addenda Winter 1978 ,		. Date 0-1-12-00
SignedITT Engin	eered Valves	by <u>Ril</u>	c.B.ml
Our ASME Certificate of	Authorization No. <u>N2649</u> to use	the <u>N</u> symbol expires	7/6/2002
	(N)		(Date)
	CERTIFICATION C	F DESIGN	
Design information on f	ile at Engineered Valves, 33	Centerville Rd.Lancaste	PA 17603
Stress Analysis Report	(Class 1 only) on file at	NA	
Design Specifications c PE State NC	ertified by (1) <u>Terry L. Edwa</u> Reg. No. 1114		
Stress Analysis Certifi			
PE State NA	Reg. No. NA		
<u> </u>		· · · · · · · · · · · · · · · · · · ·	
	CERTIFICATE OF SHO	P INSPECTION -	
	lding a valid commission issued by		
	t the State or Province of <u>Pen</u> tford, Connecticut have insp		
Report on 4-12	s constructed this pump, or valve,	that to the best of my knowle	dge and belief, the
	icate, neither the Inspector nor	•	
implied, concerning the	equipment described in this Data iable in any manner for any personal	Report. Furthermore, neither	r the Inspector nor
	ed with this inspection.	£ 1.000	
Date 4-12		<u>2000</u> .	
1202th	Commissions N	18 B155(N) PADD19	
(Inspector)	(Nat'l Bd.	., (including endorsements) St	tate, Prov. and No.)

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S/N 648075-3-1 to 3-3 PAGE 6 of 158

	$\langle \cdot \rangle$		- 4	$\langle$	:			ίζ.
					RS OR REPLACE		•	
1.	Owner Duke Power Address 526 S. Churc	Company ch Street, Charlotte, NC 2	3201-1006	· :	· · · · · · · · · · · · · · · · · · ·	•		10-9-03
2.	Plant <sup>1</sup> Oconee Nuc Address 7800 Roche	lear Station ester Hwy. Seneca, S	.C. 29672 .		•	•		
2a.		]2 🔲 3 <sup>11</sup> 🗍 Sha	ared (specify Uni	its	) '3a.	Work Orde	#_ <u>98603.</u>	808-01
3.		e Power Company Street, Charlotte, NC 282 p N/A Authorization No. N/		te N/A	3b.	NSM or MM	Repair Organi:	zation Job #
	Identification of System_	REACTOR COD	LANT CLE	nss		1/4		
	CC and their sup	Section XI Utilized for Repa	. :	ents 1989, No Adder	Addenda, nda (1992 throug	3h 1992 A	ddenda for Clas	_Code Cases s MC and
$\left[ \right]$	Column 1	Column 2	, Column	Column	4 Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufac Serial Nu		Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	BODY TO BOD SEAL WELD O	D.P.Co.	NX	N NA		NA	Repaired Replaced Replacement	□ No ⊠ Yes
в	1RC-4 V2V.						<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes
с					· ·	•	Repaired     Replaced     Replacement	No Ves
D			•			-	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
E					:		<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
F							Repaired     Replaced     Replacement	No Ves

Page 1 of 2

is 8 1/2 i sheet, au this form	
7. Description of Wo	OTK MADE BODY TO BONNET SEAL WELD ON VLN-IRC-4.
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	NA
	· · · · · · · · · · · · · · · · · · ·
<del></del>	(Applicable Manufacturer's Data Records to be Attached)
We certify that the of the ASME Code, Type Code Symbol Certificate of Author Signed	Stamp N/A
ſ	
Inspectors and the to $\frac{10/9}{03}$ ; and	CERTIFICATE OF INSERVICE INSPECTION d, holding a valid commission issued by the National Board of Boiler and Pressure Vessel State or Providence of <u>Meth (Acolina</u> and employed by <u>HSBCT</u> have inspected the components described in this Owner's Report during the period <u>1/2/03</u> d state that to the best of my knowledge and belief, the Owner has performed examinations and easures described in this Owner's Report in accordance with the requirements of the ASME Code,
concerning the example the example of the example o	ertificate, neither the Inspector nor his employer makes any warranty, expressed or implied, minations and corrective measures described in this Owner's Report. Furthermore, neither the nployer shall be liable in any manner for any personal injury or property damage or a loss of any connected with this inspection.
Noncy CRite	the Soughter CommissionsNCII69ABNIE
	gnature National Board, State, Providence and Endorsements
Date10/9/03	·

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

		er Company urch Street, Charlotte, NC 28	3201-1006				• -	4-11.02		
	Oconee Nuclear Station       Sheet _/       of _/         Address       7800 Rochester Hwy. Seneca; S.C. 29672									
2a.	Unit 🛛 🗐 1	2 3 4 1 Sha	red (specify Units		) '	ر) مالیہ میں اس	# 982386	53		
3.		ike Power Company h Street, Charlotte, NC 2820 Imp N/A Authorization No. N/		•			Repair Organiz	ation Job #		
<b>A</b> 5.	Identification of System ANSI B31.1 7/10 (a) Applicable Constru- (b) Applicable Edition CC and their s	DEMINERALIZED	<u>WATER</u> Class 19 <u>83</u> Edition, <u>Win</u> airs or Replacements 1989	No Addenda	Idenda,/	A .		_Code Cases 8 MC and		
	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8		
1	Name of Componer	nt Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)		
A	VLV. * 1 DW-60	* VELAN	992115-8	NA	KHA	1999	Repaired     Replaced     Replaced     Replacement	□ No X Yes		
в	VLV. 1 DW-60	* GRINNELL	NA	NTR	NA	NA	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves		
c	VLV. * 1 DW-59	* VEZAN	992115-3	NA	NA	1999	Repaired     Replaced     Replacement	□ No ∑ Yes		
D	VLV. 1 DW-59	* GRINNELL	NA	NA	NA	NA	Repaired Replaced Replacement	X No □ Yes		
E		D.P.Co.	NA	WA	NA	7/73	Repaired     Replaced     Replaced     Replacement	No Ves		
F			·····				Repaired     Replaced     Replacement	No Ves		

\* NO INFORMATION AVAILABLE, TAGS MISSING FROM VLV'S.

Page 1 of 2

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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 Wor	* REPLAC	ED PIPINO	5 & VUVS. / L	W59+8	80.	
8. Test Conducted:		Pneumatic	Nominal Operat		Other	Exempt
	Pressure	325 psig	Test Tem Test Tem		<u>0</u> °F °F	
	Pressure	psig	Test Tem		°F	
9. Remarks	FORMED	HYDRO.				
W.C	0. # 9823	8683.067	EST No. 12	HR-622		
	(Ap	plicable Manufacti	urer's Data Records to	be Attached)	<u> </u>	 
We certify that the of the ASME Code, S	e statements made		OF COMPLIANC		nent conform	ns to the rules
Type Code Symbol S	Stamp N/A	4				
Certificate of Authori	zation Not N/A	~1/ ~	Expir	ation Date N/A	L	
Signed	Owner or Owner	Y (A) A 5 's Designee, Title	<u>DEC</u> Date	<u>APRIL 2</u>	0,202	
		MUL (2)14.5 's Designee, Title	<u>DEC</u> Date	APRIL 2	0,2002	·
	E CERT , holding a valid co tate or Providence	TFICATE OF II	VSERVICE INSPI by the National Boar	ECTION d of Boiler and ployed by	HSB CJ	

to  $\frac{4-21-22}{2}$ ; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions UASS

Inspector's Signature

Date

National Board, State, Providence and Endorsements

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 Address 526 S. Churc	Company h Street, Charlotte, NC 28	3201-1006				1a. Date _	1-21-04 1_ of 1_
2.	Plant <sup>1</sup> Oconee Nucl Address 7800 Roche	ear Station ester Hwy. Seneca; S	.C. 29672			• •	Slieet_	<u>, , , , , , , , , , , , , , , , , , , </u>
	· · · · ·		ared (specify Units		.) 3a. W	ork Orde	r #	2588-0
	Type Code Symbol Stamp	Street, Charlotte, NC 2820 N/A Authorization No. N/	A Expiration Date N/A		3b. N	SM or MN	and a second second second	
		W PRESENTE S	HTER	· .				. • •
5.	<ul> <li>(a) Applicable Construction</li> <li>(b) Applicable Edition of the construction</li> <li>CC and their supplicable</li> </ul>	Section XI Utilized for Repa		NA Addenda	ddenda, <u>NX</u> (1992 through	1992 A	ddenda for Clas	_Code Cases s MC and
6.	Identification of Compone	nts Repaired or Replaced	and Replacement Compone	ents	.,			* • • • •
	Column 1	Column 2	Column 3	Column 4	Column 5	Coi. 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Bulit	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	TA ROCU LOIC	s NA	NA	NA	ŇA	7/43	Repaired     Replaced     Replacement	Ø No □ Yes
в	#344	4				•	Replaced Replaced Replaced	No     Yes
c	-						Repaired Replaced Replacement	No Ves
D		· · ·					Repaired     Replaced     Replacement	No Ves
E							Repaired     Replaced     Replacement	No Ves
F							Repaired     Replaced     Replacement	□ No □ Yes

Page 1 of 2

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is 8.1/2	in. x 11 in. (2) information in i and (3) each sheet is number n. <i>KEPLACED</i> BACED <i>HEMDER FLANG</i>	sketches, or drawings may be used, provided (1) size tems 1 through 6 on this report is included on each and the number of sheets is recorded at the top of TING ON SUPPLY & DISCHARGE LPSW ESON IA RBLU. USED 8 STUDS & SET OF FLANGES TOTAL USED 325TUL 5/8 WITS & S/8 X 345 5TUDS
8. Test Conducted:	Hydrostatic Pneumatic	
	Pressure psig	Test Temp °F
	Pressure psig	Test Temp °F
	Pressure psig	Test Temp °F
9. Remarks	τ <del>/</del> λ/	
	(/. <u>}</u>	
	· · · · · · · · · · · · · · · · · · ·	
	·	
	(Applicable Manufac	turer's Data Records to be Attached)
<b></b>		
We certify that to of the ASME Code	he statements made in the report ar	E OF COMPLIANCE e correct and this repair or replacement conforms to the rules
Type Code Symbo	Stamp N/A	
	prization No. N/A,	Expiration Date N/A
677.	pizalion No. IVA	
Signed / /////	Owner or Owner's Designee, Tit	TECH. STEPate 1-22-04-
r		
		INSERVICE INSPECTION
I, the undersign	ed, holding a valid commission issue	d by the National Board of Boiler and Pressure Vessel
	have inspected the components	described in this Owner's Report during the period $\frac{1/22/04}{2}$
		edge and belief, the Owner has performed examinations and eport in accordance with the requirements of the ASME Code,
Section XI.	easures described in this Owner's n	
		his employer makes any warranty, expressed or implied,
		described in this Owner's Report. Furthermore, neither the er for any personal injury or property damage or a loss of any
	r connected with this inspection.	
	ACA A.	- La Lia ARIT
Noney (Kita)	Wenghter Commissions	NC11691ABNF National Board, State, Providence and Endorsements
	ignature	Ivalional Board, State, Providence and Endorsements
Date/27/	04	
		Page 2 of 2

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required By The Provisions Of The ASME Code Section XI 1a. Date 10-23-0 1. Owner **Duke Power Company** 526 S. Church Street, Charlotte, NC 28201-1006 Address Sheet Z of 2. Plant <sup>7</sup> Oconee Nuclear Station 7800 Rochester Hwy. Seneca; S.C. 29672 Address 3 4 1 M Shared (specify Units\_ 2a. Unit <u>کا</u> ۱ 3a. Work Order # Repair Organization Job # 3. Work Performed By Duke Power Company Address 526 S. Church Street, Charlotte, NC 28201-1006 15412 Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A 3b. NSM or MM # \_\_\_\_ 4. Identification of System LOW TRESSURE INJECTION 5. (a) Applicable Construction Code ANSI 831.7 19-68 Edition, Code Cases Addenda. (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 2 Column 1 Column 3 Column 4 Column 5 Col. 6 Column 7 Column 8 ASME Code National Repaired. Manufacturer Year Other Name of Component Name of Manufacturer Board Replaced, or Stamped Serial Number Identification Built Number Replacement (yes or no) Repaired No No 1LPSW-16 WALWORTH LV. 1LPSW-16 CRANE X Replaced A NA "NA NA  $\mathcal{N}\mathcal{A}$ Yes Replacement Repaired. UTL No 1,9881 В Replaced Replacement 7003 NA 1054948 X Yes T.P.Co. Repaired  $\square$ No NA Replaced Replacement C 13 Yes Repaired П Π No D Replaced  $\Box$ Yes Replacement Repaired Π No Ε Replaced  $\Box$ Yes Replacement Repaired П No F Replaced  $\Box$ Yes Replacement

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 KERLACED VLV. 12P-16 + ASSOCIATED PIPING.
8. Test Conducted: Hydrostatic Pneumatic 🖾 Nominal Operating Pressure Other Exempt
Pressure <u>40</u> psig Test Temp. <u>N.O.T</u> , F
Pressure psig Test Temp °F
Pressurepsig Test Temp °F
9. Remarks 1EST # 12FRN-582
PERFORMED SYS. LEAKTEST & NDE FER ASME CODE CASE N416-1.
(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 Signed Million & State Date 1-26-04 Owner or Owner's Designee, Title
ī
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 <u>Neutric Guerra</u> and employed by <u>136 CT</u> have inspected the components described in this Owner's Report during the period <u>7/10/nR</u> to <u>1/24/44</u> ; 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.
Noncy CRitchel Sought Commissions NC-1169 ABNF Inspector's Signature National Board, State, Providence and Endorsements
Date_ <u>1/2/04</u>

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

Pg. 1 of 2

1.	Manufactur	red and ce	ntified by	CRANE Nuc	lear, Inc., 860 Re	mington Boul	evard, Bolingbroo	k. IL. 60440
- 2.	Manufactur	red for <u>[</u>	Duke Energy Corporat	lion, PO Box	1015, Charlotte, I		•	
<sub>.</sub> 3.	Location of	installatio	n Oconee Nuclear	Station, High	way 183, Seneca	SC 29678		
4.	Model No.,	Series No.	, or Type 1 2355-	12H-CF8M-WE	•	· · · · · · · · ·	2523 Rev.	<u> </u>
5.	ASME Cod	e, Section	III, Division 1:	1989 V (edition)	<u> </u>	1990 (addenda date)	$-\frac{2}{(class)}$	N/A (Code Case no.)
. 6.	Pump or va	ilve	Gate Valve	No	ominal inlet size	4 (in.)	<u> </u>	
7.	Material:				V		V	** Studs: SA193 B7 レ Nuts: SA194 2H レ
	(a) valve	Body	SA351, CF8M	Bonnet	SA351, CF8M	- Disk	SA351, CF8M	
•	(b) pump	Casting		Cover		Bolting		
	(a) Cert. Holder's Serial No.		(b) Nat'l Board No.	Boo	(c) Iy/Casing Serial No.	(c Bonnet Sec No	/Cover rial	(e) Disk Serial No.
	C9881		N/A	·	C9914	<u>C98</u>		C9906
	C9883 C9884		<u>N/A</u> N/A		C9912 C9913	C98		C9905 C9907
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$\angle$							·	

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 at the top of this form.

This form (E00037) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

## FORM NPV-1 (Back) --- Pg. 2 of 2

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Certificate Holder's Serial No. C9881, C9883, C9884

8	· Design conditions	560 (pressure	psi _	300 (temperature)	•F or val	ve press	sure class		(1)
9.	Cold working pressure	720		psi at 120°F					
10.	Hydrostatic test	1100	• _ psi.	Disk differentia	al test pressu	ıre	795	5	psi
11.	Remarks: PO NO. O Duke Item No. DMV-129 Bonnet Leak-Off Pipe N					•	MB-00-15 Op	erator	
	Low Pressure Injection S Reworked per PO NO. N	System						 	·
		с	ERTIFIC	ATION OF DES	IGN				
Desi	gn Specifications certified	by <u>Roy</u>	ce L. Will	liams	P.E. State	NC	Reg. no.	8010	
Desi	gn Report certified by	1	1/A		P.E. State	<u>N/A</u>	Reg. no.	N/A	_
			· · ·						<u>.</u>
		CEI	RTIFICA	TE OF COMPLI	ANCE				
	ertify that the statements e ASME Code, Section III,		are correc	ct and that this p	ump or valve	e conform	ns to the rules	s for construc	lion
N Ce	rtificate of Authorization N	lo	N-28	99	Expires	Septe	mber 24, 200	15 / · · /	_
Date	January 24, 2003		ANE Nu	clear, Inc. In Holder)	Signed	Jeromer	Kurtwsiy	enior QA Enginee	<del></del>

		CERTIFICATE OF INSPECT	ION	
I, the undersigned, holding State or Province of ***	a valid commis Illinois	sion issued by the National Board ( and employed by	of Boiler and Pressure Ves HSBCT	sel Inspectors and the
of Hartford, CT	have inspe	ected the pump, or valve, described	f in this Data Report on	January 24, 2003
and state that to the best of with the ASME Code, Sect		e and belief, the Certificate Holder 1.	has constructed this pump	, or valve, in accordance
component described in th	is Data Report.	ector nor his employer makes any v Furthermore, neither the inspector loss of any kind arising from or cor	nor his employer shall be	liable in any manner for
Date <u>01/24/03</u> Si		commissions	Illinois 1 I(Nat'l. Bd. (ncl. endorsements)	
(1) For manually operated	/	todd Ward		

	(			. C		, 			$\left( \right)$
		· · · · · · · · · · · · · · · · · · ·		NER'S REPORT FO By The Provisions			•	•	
1.		ower Co Church S	mpany Street, Charlotte, NC 28	201-1006	ہمہ . 1 1	· • • •: 	•		10.7.0
		e Nuclea Rochest	r Station er Hwy. Seneca, S.	C. 29672		- 	•	Sliedt -	01
2a.	Unit 🕺 1	2	🗆 3 <sup>11</sup> 1 Sha	red (specify Units		). 39 W	ork Order	# 98394	161
	Type Code Symbol	urch Stra Stamp N	et, Charlotte, NC 2820 A Authorization No. N/	A Expiration Date N/A	• • •	•	SM or MA	Repair Organi	zation Job #
4.	Identification of Sys	stem <u>20</u>	W FRESSURE /K	SECTION Liass	ZX	X-PIPING : A	NSI E	31.7 2/196	8 W/6/1
5.	(a) Applicable Con	struction	Code ASME III	19 <u>89</u> Edition, irs or Replacements 1989		Idenda,	N 1002 A	1A Idanda for Clas	Code Cases
6.	CC and their	s suppor	rts.)	and Replacement Compor		(1992 through	1992 A		
	Column 1		Column 2	Column 3 ,	Column 4	Column 5	Cot. 6	Column 7	Column 8
	Name of Compo	nent N	ame of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VLV. 12P-15	5 4	J.M. POWELL	58150	NA	ŇA	NA	Repaired Replaced Replacement	No Ves
Ж В	VLV. ILP-16	5 0	RANE	C9880	NA	UTC NO. 1054947	2003	Repaired     Replaced     Replacement	□ No 文 Yes
С	PIPING		D.P.Co.	NA	NA	NA	7/73	Repaired Replaced Replacement	No Ves
D				· · · · · · · · · · · · · · · · · · ·			·	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
E			,		1 19 1	•••		<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
F								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Yes
L	<u> </u>	L		1		······································			Page 1 of

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 EPLACED VLV. /-LP-15 + XESOCIATED PIPING. 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 <u>PERFORMED SYS_LEAK TEST + NDE PER_RSME CODE CASE</u> <u>N 4/6-/. TEST No. 12FRN 583-VILV 1LP-15 THRU 1LP-54 To</u> <u>HPI SUCTION HEXDER, 1MP-9775 MPI SUCTION HEADER. TEST NO.</u> <u>12FRN-676-VILV 1LP-1 To 1LP-2 + 1LP-176 TO 1LP-177 + MLE</u> (Applicable Manufacturer's Data Records to be Attached) - WEZDS FOR 1LP-15 + 12P-16. 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 Nor N/A Certificate of Authorization Nor N/A Certificate of Authorization Nor N/A	, <b>`</b> .	ROINE		1015 Love all	orton to	Pupula				
Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F 9. Remarks <u>PERFORMED SYS</u> , <u>LEAK TEST + NDE FER ASME CODE CASE</u> <u>N 4-16-1. TEST No. 12FRN 583 - 1/2/12P-15 THRU 12P-54-76</u> <u>HP1 SUCTION HEADER, 1MP-9775 HP1 Sucction HEADER. TEST No.</u> <u>12FRD-676 - V/2/12P-176 12P-176 To 12P-177 + 1M2E</u> (Applicable Manufacturer's Data Records to be Attached) - WE2DS FOR 12P-15 + 12P-16. 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 Not N/A Expiration Date N/A	7. Description of Wor	K TEFCALL	= D VLV. / -c	LI-12 ANDOLI	NED I	IPING.				
Pressure	8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pressure	Other	Exempt				
Pressurepsig Test Temp°F 9. Remarks <u>TERTERMED SVS</u> , <u>LEAK TEST + MDE FER ASME CODE CASE</u> <u>N 4/6-/. TEST No. 12FRN 583 - (/LV / LP - / 5 THRU 1LP - 54-To</u> <u>HP/ SUCTION HEADER, IMP-97To HP/ SUCTION HEADER TEST</u> No. <u>12FRN-676 - VLV / LP - / To / LP - Z + / LP - / 76 To / LP - 177 + M/LE</u> , (Applicable Manufacturer's Data Records to be Attached) - WEZDS FOR 1LP - 15 + / LP - 16. 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 Not N/A Expiration Date N/A		Pressure	psig 🗉	Test Temp.	°F					
9. Remarks <u>TERFORMED SYS</u> , <u>LEAK TEST + NDE PER RSME CDE CHSE</u> <u>N416-1. TEST No. 12FRN 583-VLV 1LP-15 THRU 1LP-54-TO</u> <u>HP1 SUCTION HEXDER, 1HP-97TS HP1 SUCTION HEADER. TEST</u> NO. <u>12FRN-676-VLV 1LP-1 TO 1LP-2 + 1LP-176 TO 1LP-177 + INLE</u> (Applicable Manufacturer's Data Records to be Attached) — WEZDS FOR 1LP-15 + 1LP-16. 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 Not N/A		Pressure	psig	, Test Temp.	°F					
NAIG-I. TEST NO. IZFRN 583-VILVILP-IS THRU ILP-54-TO         HPI SUCTION HEADER, IHP-97TO HPI SUCTION HEADER. TEST NO.         IZFRN-676-VLVILP-I TO ILP-2 & ILP-176 TO ILP-177 + INLE,         (Applicable Manufacturer's Data Records to be Attached)         - WEZDS FOR ILP-15 & ILP-16.         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         Expiration Date N/A		Pressure	psig	Test Temp.	°F	·				
HPI SUCTION HEADER, IMP-97TS HPI SUCTION HEADER. TEST NO.         IZFRN-676 - VLV IZP-1 TS ILP-Z & IZP-176 TS ILP-177 + INTE,         (Applicable Manufacturer's Data Records to be Attached)         - WEZDS FOR ILP-IS & IZP-16.         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	9. Remarks TER	FORMED	SVS LEAK	TEST & NDE PER	RSME	CODE CA				
IZFRN-676 - VLV ILP-1 To ILP-Z + ILP-176 To ILP-177 + INLE,         (Applicable Manufacturer's Data Records to be Attached)         - WEZDS FOR ILP-15 + ILP-16.         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 Nor N/A	NA	-16-1. TE	TNO. IZFR	EN583-VLV 12P-1	STHRU	120-54-7				
(Applicable Manufacturer's Data Records to be Attached) - WEZDS FOR 12P-15 + 12P-16. 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 Nor N/A Expiration Date N/A	HPI	SUCTION H	SADER, IHP	97TO HPI SUCTIO	NHEAD	ERITEST				
- WEZDS FOR 12P-15 + 12P-16. 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 Nor N/A Expiration Date N/A	IZF	RN-676-	VLV 12P-1T	8 1LP. Z + 1LP-170	STOLL	0-177 + INC				
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 Nor N/A Expiration Date N/A	$-\omega \epsilon z$	DS FOR 12	plicable Manufacturer's - P- バイイバア	B Data Records to be Attached)						
of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization Nor N/A Expiration Date N/A			CERTIFICATE OF	COMPLIANCE		-ر				
Certificate of Authorization Nor N/A Expiration Date N/A		statements made			nent conform	ns to the rules				
	Type Code Symbol S	Stamp N/A	$\frown$							
A THAT A ATTAIL DEA SEACH	Certificate of Authorization Nor N/A Expiration Date N/A									
Signed A. Allough On VECH. SPEC. Date 2-0-07 Owner or Owner's Designee, Title	Signed A.	Signed A. Lloburgh OATECH. SPEC. Date 2-5-04								

### **CERTIFICATE OF INSERVICE INSPECTION**

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.

NCII69ABNI Retered Structure Commissions\_ Inspector's Signature National Board, State, Providence and Endorsements

215104

Date

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

Pg. 1 of 2

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	······································		<u></u>		<u>.</u>
1. Manufactured and ce	rtified by	CRANE Nuclear, In	c., 860 Remington Boule (name and address of N Certific	vard, Bolingbrook, IL ate Hoker)	_ 60440
2. Manufactured for	Duke Energy Corporati	on, PO Box 1015, (	Charlotte, NC 28201-101	15	
3. Location of installation	n _Oconee Nuclear S	• •	3, Seneca, SC 29678 (name and address)		
4. Model No., Series No.	, or Type2355-1:	2H-CF8M-WE(10S)	_ Drawing _ CC02		CRN <u>N/A</u>
5. ASME Code, Section	III, Division 1:	1989 (edition)	1990 (addenda date)	<u>2</u>	N/A (Code Case no.)
6. Pump or valve	Gate Valve	Nominal	inlet size4(n.)	Outlet size	4 <u>(in.)</u>
7. Material:				$\sim$	Studs: SA193 B7 - Nuts: SA194 2H
(a) valve Body .	SA351, CF8M		51, CF8M Disk	SA351, CF8M	Bolting
(b) pump Casting (a) Cert. Holder's Serial No.	(b) Nat'l Board No.	Cover (c) Body/Casi Serial No.	Bolting (d) ing Bonnet/ Seri No	Cover ial	(e) Disk Serial No.
<u>C9880</u>	N/A	C9911	C98	97	<u>C9904</u>
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• 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 at the top of this form.

This form (E00037) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

	·	FORM NPV-1 (Back) Pg. 2 of 2	
		Certificate Holder's Serial No.	_
B	Design conditions 560 (pressur	psi 300 •F or valve pressure class	_ (1)
9.	Cold working pressure	psi at 120°F	•
10.	Hydrostatic test 1100	psi. Disk differential test pressure 795 ps	ī
11.	Remarks: PO NO. ON 41905 0	003. SO No. 11911-01, 4" Gate Valve with Limitorque SMB-00-15 Operator	
	Duke Item No. DMV-1296	445811, Bonnet Leak-Off Pipe Nipple Cap: Ht. # JDZ	_
	Low Pressure Injection System		_
	Reworked per PO NO. NM 9350, S	SO No. 14708-02	
		· · · · · · · · · · · · · · · · · · ·	-
		CERTIFICATION OF DESIGN	
Desi	gn Specifications certified by	Royce L. Williams P.E. State NC Reg. no. 8010	2
Desi	gn Report certified by	N/A P.E. State N/A Reg. no. N/A	
			ן ר
	certify that the statements made in th e ASME Code, Section III, Division 1	CERTIFICATE OF COMPLIANCE is report are correct and that this pump or valve conforms to the rules for construction	
of the		CERTIFICATE OF COMPLIANCE is report are correct and that this pump or valve conforms to the rules for construction	
of the	e ASME Code, Section III, Division 1 ertificate of Authorization No.	CERTIFICATE OF COMPLIANCE is report are correct and that this pump or valve conforms to the rules for construction	
of the	e ASME Code, Section III, Division 1 ertificate of Authorization No.	CERTIFICATE OF COMPLIANCE is report are correct and that this pump or valve conforms to the rules for construction <u>N-2899</u> Expires <u>September 24, 2005.</u> <u>CRANE Nuclear, Inc.</u> Signed <u>Creater Algorithms</u>	
of the N Ce	e ASME Code, Section III, Division 1 ertificate of Authorization No.	CERTIFICATE OF COMPLIANCE is report are correct and that this pump or valve conforms to the rules for construction <u>N-2899</u> Expires <u>September 24, 2005.</u> <u>CRANE Nuclear, Inc.</u> Signed <u>Creater Algorithms</u>	
Date	e ASME Code, Section III, Division 1 ertificate of Authorization No. January 24, 2003 Name January 24, 2003 Name	CERTIFICATE OF COMPLIANCE is report are correct and that this pump or valve conforms to the rules for construction N-2899 Expires September 24, 2005. CRANE Nuclear, Inc. (N Certuficate Holder) Signed Jacobian Annowski L., Senior QA Engineer CERTIFICATE OF INSPECTION ission issued by the National Board of Boiler and Pressure Vessel Inspectors and the	
of the	e ASME Code, Section III, Division 1 ertificate of Authorization No. January 24, 2003 Name January 24, 2003 Name undersigned, holding a valid commi e or Province of	CERTIFICATE OF COMPLIANCE is report are correct and that this pump or valve conforms to the rules for construction N-2899 Expires September 24, 2005. CRANE Nuclear, Inc. Signed Signed Server A Nurowsyd I.E., Senior QA Engineer CERTIFICATE OF INSPECTION ission issued by the National Board of Boiler and Pressure Vessel Inspectors and the and employed by <u>HSBCT</u>	
, the State	e ASME Code, Section III, Division 1 ertificate of Authorization No. January 24, 2003 Name January 24, 2003 Name undersigned, holding a valid commi e or Province ofIllinois Hartford, CT have insp	CERTIFICATE OF COMPLIANCE is report are correct and that this pump or valve conforms to the rules for construction N-2899 Expires September 24, 2005. CRANE Nuclear, Inc. Signed Signed Server A Server A Server OA Engineer (N Certificate Holder) CERTIFICATE OF INSPECTION ission issued by the National Board of Boiler and Pressure Vessel Inspectors and the and employed by HSBCT Dected the pump, or valve, described in this Data Report on January 24, 2003, ge and belief, the Certificate Holder has constructed this pump. or valve, in accordance	
, the State	e ASME Code, Section III, Division 1 ertificate of Authorization No. January 24, 2003 Name January 24, 2003 Name undersigned, holding a valid commi e or Province of Illinois Hartford, CT have insp state that to the best of my knowledge	CERTIFICATE OF COMPLIANCE is report are correct and that this pump or valve conforms to the rules for construction N-2899 Expires September 24, 2005. CRANE Nuclear, Inc. Signed Signed Server A Server A Server OA Engineer (N Certificate Holder) CERTIFICATE OF INSPECTION ission issued by the National Board of Boiler and Pressure Vessel Inspectors and the and employed by HSBCT Dected the pump, or valve, described in this Data Report on January 24, 2003, ge and belief, the Certificate Holder has constructed this pump. or valve, in accordance	
N Ce Date L, the State of and with	e ASME Code, Section III, Division 1 ertificate of Authorization No. January 24, 2003 Name January 24, 2003 Name undersigned, holčling a valid commi e or Province of <u>Illinois</u> <u>Hartford, CT</u> have insp state that to the best of my knowledge the ASME Code, Section III, Division	CERTIFICATE OF COMPLIANCE is report are correct and that this pump or valve conforms to the rules for construction N-2899 Expires September 24, 2005, CRANE Nuclear, Inc. Signed Signed Server Action Server OA Engineer (N Certificate Holder) Signed CERTIFICATE OF INSPECTION ission issued by the National Board of Boiler and Pressure Vessel Inspectors and the and employed by HSBCT Server OA Engineer Action Server Constructed the pump, or valve, described in this Data Report on January 24, 2003 , ge and belief, the Certificate Holder has constructed this pump. or valve, in accordance of 1.	
N Ce Date Date State of and with By si	e ASME Code, Section III, Division 1 ertificate of Authorization No. January 24, 2003 Name January 24, 2003 Name January 24, 2003 Name Lanuary 24, 2003 Name January 24, 2004 Name January 24, 2005 Name January 24, 2005 Name January 24, 2005 Name January 24, 2005 Na	CERTIFICATE OF COMPLIANCE is report are correct and that this pump or valve conforms to the rules for construction N-2899 Expires September 24, 2005, CRANE Nuclear, Inc. Signed Jerome Kurowski E., Senior QA Engineer (N Certificate Holder) CERTIFICATE OF INSPECTION ission issued by the National Board of Boiler and Pressure Vessel Inspectors and the and employed by HSBCT Dected the pump, or valve, described in this Data Report on January 24, 2003, ge and belief, the Certificate Holder has constructed this pump. or valve, in accordance 1.	
N Ce Date Date State of and with By si	e ASME Code, Section III, Division 1 ertificate of Authorization No. January 24, 2003 Name January 24, 2003 Name January 24, 2003 Name Lanuary 24, 2003 Name January 24, 2004 Name January 24, 2005 Name January 24, 2005 Name January 24, 2005 Name January 24, 2005 Na	CERTIFICATE OF COMPLIANCE is report are correct and that this pump or valve conforms to the rules for construction <u>N-2899</u> Expires September 24, 2005, <u>CRANE Nuclear, Inc.</u> Signed <u>Jerome K-Nurowski K-L. Senior QA Engineer</u> (N Certificate Holder) Signed <u>Jerome K-Nurowski K-L. Senior QA Engineer</u> CERTIFICATE OF INSPECTION ission issued by the National Board of Boiler and Pressure Vessel Inspectors and the and employed by <u>HSBCT</u> pected the pump, or valve, described in this Data Report on <u>January 24, 2003</u> , ge and belief, the Certificate Holder has constructed this pump. or valve, in accordance 1.	
N Ce Date  State of and with By si Sy si	e ASME Code, Section III, Division 1 ertificate of Authorization No. 	CERTIFICATE OF COMPLIANCE is report are correct and that this pump or valve conforms to the rules for construction <u>N-2899</u> Expires September 24, 2005, <u>CRANE Nuclear, Inc.</u> Signed <u>Jerome K-Nurowski K-L. Senior QA Engineer</u> (N Certificate Holder) Signed <u>Jerome K-Nurowski K-L. Senior QA Engineer</u> CERTIFICATE OF INSPECTION ission issued by the National Board of Boiler and Pressure Vessel Inspectors and the and employed by <u>HSBCT</u> pected the pump, or valve, described in this Data Report on <u>January 24, 2003</u> , ge and belief, the Certificate Holder has constructed this pump. or valve, in accordance 1.	

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(1) For manually operated valves only.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

	Owner Address	Duke Power 526 S. Churc	Company ch Street, Charlotte, NC 28	201-1006				· · ·	12/3/03	
	PlantOconee Nuclear StationAddress7800 Rochester Hwy. Seneca; S.C. 29672									
2a.	a. Unit $[X]_1$ $[]_2$ $[]_3$ $[]_3$ Shared (specify Units) = 3a. Work Order # 98616785-02									
3.	3a. Work Order # <u>98616785-02</u> B. 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 o(MM #) <u>17722</u>									
4.	Identification	of System_	Main Steam	Class	)	•				
			ion Code_ <u>B3 </u> ,   Section XI Utilized for Repa	19 <u>67</u> Edition	Ad	Idenda,			_Code Cases	
6.	CC and	their sup	Section XI Utilized for Repa oports.) ents Repaired or Replaced a	т. т	x	(1992 through	1992 A	idenda for Clas	s MC and	
	Col	ımn 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	Bol-	ting	NA		N/A	NIA	1973	Repaired     Replaced     Replaced     Replacement	Ø No ☐ Yes	
в								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ Ňo □ Yes	
°C								Repaired     Replaced     Replacement	No Ves	
D								Repaired     Replaced     Replacement	No Ves	
E								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves	
F								Repaired     Replaced     Replacement	No Ves	

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 Wor	k Replaced	(18) 1/4"	nuts on volve IMS	-153				
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pressure	C Other	Exempt			
9. Remarks	Pressure Pressure	psig psig psig  plicable Manufactu	Test Temp Test Temp Test Temp urer's Data Records to be Attached)	°F °F °F				
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_P1200m/QC_SpecialistDate_12/3/03 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 Checken and employed by MSB CT

have inspected the components described in this Owner's Report during the period  $\frac{2/12/64}{10}$  to  $\frac{2/12/64}{10}$ ; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions\_NLKHHNTABL

Inspector's Signature

Date\_2/14/04

National Board, State, Providence and Endorsements

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

1.	Owner Address	Duke Power	Company h Street, Charlotte, NC 28	201-1006				1a. Date _	2/3/03		
2.	Plant	Oconee Nucl						Sheet _			
•	Address	Address 7800 Rochester Hwy. Seneca; S.C. 29672									
2a.	Unit		2 🔲 3 <sub>1 7 11</sub> 🗖 Sha	red (specify Units		) ' 3a Wo	vrk Order	# 98616-	788-02		
3.	Work Performed By Duke Power Company Repair Organization Job #										
			Street, Charlotte, NC 2820 N/A Authorization No. N/			3b. NS		M#) 1772	3		
4.	Identificatio	n of System	Main Steam	Class	2	· .	-	• •			
5.	(a) Applica	ble Constructio	on Code_ <u>B31.1</u>	19 <u>67</u> _Edition,	Ac	idenda,		·	_Code Cases		
	5. (a) Applicable Construction Code B31.1 1967 Edition, Addenda, 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.	Identificatio	on of Compone	nts Repaired or Replaced a	and Replacement Compon	ents		·	· · · · · · · · · · · · · · · · · · ·	• 		
	Co	lumn 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	BoH	ng	N/A	NA	A/A	NA	1973	Repaired     Replaced     Replaced     Replacement	No Yes		
в								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	□ No □ Yes		
c	· · ·							Repaired     Replaced	No No		
Ľ	· · ·	-	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		Replacement	Yes		
D								Repaired	□ No		
		·	· · · · · · · · · · · · · · · · · · ·				· .	Replacement_			
E		هر						Repaired			
-				· · · · · · · · · · · · · · · · · · ·				Replacement     Repaired			
F	:			-				Replaced	No 🗌 Ves		
	<u> </u>		1	l	_!	I	J	Replacement			

Page 1 of 2

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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	n of Work	Repla	ced	(18) 1/8 5	uds +(1	8)11/8	nuts or	IMS-	155	
8. Test Condu	ucted:		static	Pneumatic		I Operating	Pressure	Other	X Exempt	
9. Remarks	N/A	Pressure Pressure Pressure		psig psig psig	-	Test Temp. Test Temp. Test Temp.		°F °F °F		
			(App	licable Manufactu	urer's Data Re	ecords 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 S	Symbol Si	tamp N/A								
Certificate of Authorization No., N/A Expiration Date N/A Signed Ploto / OC Specialist Date 12/03/03 Owner or Owner's Designee, Title										
				······································		· !				

#### **E** 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 <u>Noz7H</u> (AROLUA and employed by <u>NSE</u> <u>CT</u> <u>undersigned</u> have inspected the components described in this Owner's Report during the period <u>2</u> <u>2</u>/12/05 to <u>2/14/09</u>; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied,

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

Commissions NC/444 WTABL

Inspector's Signature

National Board, State, Providence and Endorsements

Date 2/14/04

Page 2 of 2

;	FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required By The Provisions Of The ASME Code Section XI										
1.	Owner Address	Duke Power 526 S. Churc	Company h Street, Charlotte, NC 28	201-1006					$\frac{2/3/03}{1}$		
2.	Plant Address	t Oconee Nuclear Station									
	a. Unit 🕅 1 🗆 2 🛄 3 🔲 Shared (specify Units) 3. Work Performed By Duke Power Company B. Work Performed By Duke Power Company										
з.	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 #										
4.	. Identification of System Low Pressure Injection Class 1										
	<ul> <li>5. (a) Applicable Construction Code <u>B31.7</u> 1968 Edition, 6/68 Addenda, Code Cases</li> <li>(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.)</li> <li>6. Identification of Components Repaired or Replaced and Replacement Components</li> </ul>										
;	Co	Column 1     Column 2     Column 3     Column 4     Column 5     Col. 6     Column 7     Co									
	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	Volve	1	Walworth	C43768	J/A	NÏA	NA	Repaired     Replaced     Replacement	No Ves		
В								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No     Yes		
С							· •	Repaired     Replaced     Replacement	No Ves		
D		· .						Repaired     Replaced     Replaced     Replacement	No Ves		
E								Repaired     Replaced     Replaced     Replacement	No Ves		
F								Repaired     Replaced     Replacement	□ No □ Yes		

Page 1 of 2

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 W	rork Replaced we	edge in 1	2" ILP-1 value.					
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pressure	C Other	Exempt			
9. Remarks	Pressure Pressure Pressure A	psig psig psig	Test Temp.          Test Temp.          Test Temp.	⁰₣ ⁰₣ ⁰₣				
 	(Appl	icable Manufactu	irer's Data Records to be Attached)					
We certify that t of the ASME Code	he statements made in		OF COMPLIANCE correct and this repair or replacer	nent conform	ns to the rules			
Type Code Symbo	I Stamp N/A		•					
Certificate of Author	prization No. N/A		Expiration Date N/	4				
Signed <u>PHOOM</u> QC <u>Specialist</u> Date 12/3/03 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 No ETH CARLANA and employed by MSA CT

have inspected the components described in this Owner's Report during the period  $\frac{12/3/63}{10}$  to  $\frac{12/3/63}{10}$ ; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions\_NCHAANTABL

Inspector's Signature

National Board, State, Providence and Endorsements

Date 12/3/63

PDS-21243(3) (12-75)

#### BABCOCK & WILCOX

#### NUCLEAR POWER GENERATION DIVISION

#### CERTIFICATE OF CONFORMANCE

SUPPLIER:         Malworth Co.         DOC. 1.D. S/N. RSV. NO. 23-210           XXXXXXXX         Cust. P.O. C-17402           P.O. No.         698219	<b></b>
	abad.
36W CONTRACT NO ITEM NO.: See Attached MARK NO.: See Atta	~US3L
NPG SPECIFICATION NUMBERS: N/A	
EQUIPMENT DESCRIPTION: See Attached	
EQUIPMENT SAFETY CLASS: <u>N/A</u> EQUIPMENT CODE CLASS: <u>N/A</u>	
EXCEPTION: 87-1298-00	

For purposes of Quality Assurance requirements, the item of equipment identified above meets the requirements of the above listed specifications including the codes, standards, test requirements, and quality assurance requirements invoked therein except as noted in Non Conformance Statement below.\* Any exceptions to the procurement requirements of this contract known to the undersigned are listed above and have been reported to and approved in writing by The Babcock & Ailcox Company. Documentation is available at the manufacturer's pleat and/or it NPGD, Lynchburg and documentation as required by the babcock states and approved by the bab of the states and the states and the states are been to be a state of the states are been to be a state of the manufacturer's pleat and/or it NPGD, Lynchburg and documentation as required by the babcock states are been to be a state of the states are been by the bab of the bab of the bab of the states are been by the bab of the

has been reviewed and found to be acceptable.

The item of EQUIPMENT identified above does considerance conform to all requirements above and maximum norts in a QA HOLD status by B&W NPCD QA Department.

Shipment was made because: N/A

Specific Non Conformance to requirements is:	N/A
	DUKE POWER COMPANY
hich will be resolved as follows: $N/\Lambda$	QA BECORDS APPROVED
	QA REPRESENTATIVE
Andersigned is the senior Quality Assurance e	xecutive in Babcock & Wilcox N
	Signature Manager, Quality Ass

WALWORTH COMPANY P.O. Box 1103, Hull Ave., Greensburg, PA 15601 / (412) 837-2000 Valves for industry . . . everywhere

#### April 22, 1977

### For: Babcock & Wilcox Company Power Generation Group Barberton, Ohio 44203 PO 698219KC

Walworth Co. order PP38667

We certify that the following valve parts are furnished in accordance with the requirements and specifications as called for on Purchase order 698219-KC. This certification is in accordance with ANSI N45.2.10.

#	<u>Qty</u> .	DPCO	Descr	iption		<i>φΑ #</i>	Fin. P/N	Heat #	Specification
	1	ter	n .	for 10"	1500#	18106	A641310	705E P2	ASTM A351, CF&
	2	.40	Disc	for 8" G]	lobe	18107	0638766	F507 F509	ASTM A216, WCB
	2	.41	Seat	Ring for	8" Glo	obe 19108	0600553	N/A	Monel Metal
•	2	.42	Disc.	Locknut	for 8"	Globe/8/0	<b>9</b> 0600436	N/A	ASTM A182, Pí :
	2	46	Seat	Rings for	10" G	ate <b>/8 // 0</b>	0600294	n/A	Monel Metal
	2	49	Wedge	for 16"	Gate /	18111	0638786	C512 C605	ASTM A216, WCB.
	2	51	Stem	for 16" (	ate /	8112	0638787	71WH3	ASTM A182, FG r
	2	140	Seat	Ring for	4" Gat	e 1811 3	0600287	N/A	Monel Metal
	2 _	-285	Disc	for 2" G]	obe		0638789	F568	ASTM A216, WCB.
	2	386	Seat	Ring for	2" Glo	be18114	0600546	Pl & P2 N/A	Monel Metal
	2	290	Wedge	for 8" (	ate	18115	A63878 <u>8</u>	172N 371X	ASTM A216, WCB.
	l	394	Wedge	for 8" (	Gate /	8116	0600127	299s	ASIM A216, WCB
	3	-304	Wedge	<del>-for-8" (</del>	late-/	811-7- PH 12/3/c	аб38788 >З	741X / 531S / 870S /	ASTM A216, WCB

April 22, 1977 Babcock & Wilcox Co. Page 2

Qty	. Description	Fin. P/N	<u>Heat #</u>	Specification
3	306 Stem for 8" Gate 18/18	0638760	71WJ3	ASTM A182, F6 moc
3	313 Stem Nut for 14" 1500# Gate	0631101	N/A	Bronze <i>QA</i> 18119
2	<b>423</b> Wedge for 12" 1500# Gate/8/2	20 A642626	<u>732E P2</u> 867E	ASTM A351, CF8M

All parts herein certified have been cleaned in accordance with ANSI N45.2.2, Level C, in accordance with Walworth procedure WC2.

All parts are interchangeable (in form, fit and function) with those parts foriginally supplied on Babcock and Wilcox's purchase order 80772Z, and can be used for Babcock and Wilcox's valve mark numbers as specified by your forder.

5. N. Shields, Manager of Quality Assurance

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

	Owner Duke Power Company Address 526 S. Church Street, Charlotte, NC 28201-1006												
		lear Station ester Hwy. Seneca; S.	Sheet of _										
3.	a. Unit 🕅 1 🛛 2 🛄 3 🗍 Shared (specify Units) 3a. Work Order # <u>98359462-0</u> Repair Organization Job Address 526 S. Church Street, Charlotte, NC 28201-1006 The NSM of Mark of Mark 1981 (Specify Units)												
	Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A       3b. NSM or MM #         . Identification of System_Feeducater       Class												
	<ul> <li>5. (a) Applicable Construction Code <u>B31.1</u> 1967 Edition, <u>Addenda</u></li> <li>(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.)</li> <li>6. Identification of Components Repaired or Replaced and Replacement Components</li> </ul>												
<u>.</u>	Column 1		Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8				
	Name of Com	onent	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)				
A	Boltin	ک	NA	N/A	NA	NIA	1973	□ Repaired □ Replaced ⊠ Replacement	⊠ No □ Yes				
в		۰ ۰.				•		<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No     Yes				
c								Repaired     Replaced     Replacement	□ No □ Yes				
D								Repaired     Replaced     Replacement	No Ves				
E		-						Repaired     Replaced     Replaced     Replacement	No Ves				
F								Repaired     Replaced     Replaced     Replacement	No Ves				

Page 1 of 2

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## 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 Body 8. Test Condu	1 Boni			$\frac{7}{8}'' \leq \frac{7}{8}$		al Operating			IFDW-33L r ØExempt	Ł
9. Remarks	J/A	Pressure Pressure Pressure	 	psig psig psig		Test Temp. Test Temp. Test Temp.		°F °F °F		
- - -			(Appl	licable Manufac	cturer's Data I	Records to be	Attached)			
We certify of the ASME				CERTIFICAT in the report ar				nent confo	orms to the rules	](
Type Code S	Symbol S	tamp N/A					•			
Certificate of Signed	Authoriz	m/a	<u>c</u> Sr	De cialis Designee, Tit	£	Expiratio	on Date N/A	L	:	
	•									

#### 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  $\underline{NEw}$  for  $\underline{NEw}$  and employed by  $\underline{MSBCT}$ have inspected the components described in this Owner's Report during the period  $\underline{NISCT}$ to  $\underline{J2/1/o3}$ ; 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,

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

Commissions\_\_\_\_

NY 5094 A,N,I

Inspector's Signature

National Board, State, Providence and Endorsements

Date 12/1/13

Page 2 of 2

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required By The Provision's Of The ASME Code Section XI 1a. Date \_1/6/04 **Duke Power Company** 1. Owner 526 S. Church Street, Charlotte, NC 28201-1006 Address Sheet \_\_\_\_\_ of \_\_\_\_ **Oconee Nuclear Station** 2. Plant 7800 Rochester Hwy. Seneca; S.C. 29672 Address · 🗌 2 3 1 1 Shared (specify Units\_\_\_\_\_ 2a. Unit 3a. Work Order # \_ 98502142 - 37 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 # \_\_\_\_\_ 4. Identification of System\_Hvdrogen\_\_\_\_ Class 5. (a) Applicable Construction Code <u>B31.7</u> 19<u>68</u> Edition, <u>6</u><u>68</u> Addenda, <u>Code Cas</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda (1992 through 1992 Addenda for Class MC and Code Cases CC and their supports.) 6. Identification of Components Repaired or Replaced and Replacement Components Column 1 - Column 2 Column 3 Column 4 Column 5 Column 7 Column 8 Col. 6 National Repaired, ASME Code Other Year Manufacturer : > Name of Manufacturer Replaced, or Name of Component Board Stamped Serial Number Identification **Built** Number Replacement (yes or no) □ Repaired □ Replaced  $\square$ No Α N/A NA Π Yes Bolting Replacement 1973 □ Repaired □ Replaced Π No В Yes Replacement Repaired  $\square$ No Replaced С Π Yes Replacement Repaired П No D Replaced Yes •; Replacement □ Repaired No Ē Replaced П Yes Replacement Repaired No F Replaced  $\square$ Yes Replacement

Page 1 of 2

## 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 Wor	* Replaced (11	6) 5/8" nuts	on inlet/outlet flanges(2	<u>) on Hyd</u>	rogen Recombine
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Operating Pressure	C Other	X Exempt
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
	Pressure	psig	Test Temp.	°F	
9. Remarks N/A			· · · · · · · · · · · · · · · · · · ·		<u> </u>
		<u>    .   .                            </u>			
<u> </u>					·····
	(Ap)	olicable Manufacti	urer's Data Records to be Attached)		<u>_</u>
			, 		<i>r</i>
We certify that the of the ASME Code, s	statements made		OF COMPLIANCE correct and this repair or replace	ment conforr	ns to the rules
Type Code Symbol S	Stamp N/A	-			
Certificate of Authori	zation No. N/A	•	Expiration Date N	A	
Signed <u>Altor</u>	Winer or Owner	<u>cialist</u> 's Designee, Title	Date_1/6/04		
			· · · · · · · · · · · · · · · ·	-	```````````````````````````````
Inspectors and the S to <u>1/L/o 4</u> ; and taken corrective mea Section XI.	holding a valid co tate or Providence have inspected state that to the be sures described in	ommission issued of <u>North Ch</u> the components of st of my knowled this Owner's Rep	NSERVICE INSPECTION by the National Board of Boiler and <u>ACOLINA</u> and employed by <u>A</u> described in this Owner's Report d ge and belief, the Owner has perfect port in accordance with the require s employer makes any warranty, ex	<u>USB CT</u> uring the performed examined ments of the	od <u><i>1/L/o≮</i></u> nations and ASME Code,

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.

Date\_116/04

Commissions NC1444 MEABL

Inspector's Signature

National Board, State, Providence and Endorsements

Page 2 of 2

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

1.	Owner Address	Duke Power 526 S. Churc	Company h Street, Charlotte, NC 28	201-1006			÷		2/3/03
<b>2.</b>	Plant Address	Oconee Nuc 7800 Roch	lear Station ester Hwy. Seneca; S.	C. 29672				Sheet _	of
2a.	Unit		2 🔲 3 👖 🗆 Sha	red (specify Units		)	ork Ordon	+ 985LIZU	8-03
3.	Work Perfo	med By Duke	Power Company Street, Charlotte, NC 2820			Sa. W		# <u>9856134</u> Repair Organia	zation Job #
	Type Code	Symbol Stam	p N/A Authorization No. N/	A Expiration Date N/A	·	3b. NS	SM or MN	1# <u>13105</u> A	M1
			Building Spray	Class	<u> </u>				
5.	(a) Applica	ble Constructi	on Code <u>B31.7</u> Section XI Utilized for Repa	19 <u>68</u> Edition, <u>6</u>	<u>/68</u> Addenda	idenda,	1992 A	idenda for Clas	_Code Cases
	CC and	l their sup	ports.) ents Repaired or Replaced a			(1772 Chrough	2776 A		
	1	lumn 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	Bolt	ng	J/A	J/A	J/A	NIA	1973	□ Repaired □ Replaced ⊠ Replacement	⊠ No □ Yes
в		<u> </u>					•	Repaired     Replaced     Replacement	□ No □ Yes
С								Repaired     Replaced     Replacement	No Ves
D							-	<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
E								<ul> <li>Repaired</li> <li>Replaced</li> <li>Replacement</li> </ul>	No Ves
F		· . ·						Repaired     Replaced     Replaced     Replacement	□ No □ Yes

Page 1 of 2

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C :

## 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.

		<u> </u>							
7. Description	n of Worl	<u> Keplac</u>	ed (1	a) 1" studs	+ (a4) 1" nuts on	IBSFEOC	03 8	Flonge	
8. Test Cond	ucted:	Hydros	tatic	Pneumatic	Nominal Operat	ng Pressure	Other	🕅 Exempt	
		Pressure		psig	Test Tem		°F		
		Pressure		psig	Test Tem	)	°F		
		Pressure		psig	Test Tem	)	°F		
9. Remarks	N/A	۹		•					_
	<del> </del>								
				•	<u>.</u>			<u> </u>	
			(Арр	licable Manufacti	urer's Data Records to	be Attached)			<b></b>
We certify of the ASME					OF COMPLIANC	_	nent conform	ns to the rules	]`(
Type Code S	Symbol S	tamp N/A				•			
Certificate of	Authoriz	ation No. N	I/A	•	Expin	ation Date N//	4		
Signed	1200	Owner or C	) Wner':	pecialist s Designee, Title	Date	2/15/03	3		
	· <u>·</u> ····			·····	·····	·			
					NSERVICE INSPE		~		
I, the unde	ersigned,	holding a va	alid co	mmission issued	by the National Boan	f of Boiler and	I Pressure V H(アクエ	essel	
	IC UIB 20	have inspe	ence	he components of	described in this Own	er's Report du	ring the period	od 10/4/03	·
	3_; and s	state that to t	he be	st of my knowled	ge and belief, the Ow	ner has perfo	rmed examir	ations and	1
taken correct	ive meas	sures describ	ni bec	this Owner's Rep	port in accordance with	n the requirer	nents of the .	ASME Code,	

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 NCII69 ABNI National Board, State, Providence and Endorsements

Date\_12/15/03

Section XI.

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

This summary is a pressure test completion status for the third period of the third ten-year interval. Table 6-1 shows the pressure tests completed from refueling outage EOC-20 through refueling outage EOC-21. There were no relevant conditions observed during these pressure tests.

	Table 6-1										
Examination Category	Test Requirement	Total Examinations Credited For This Outage									
B-E	System Hydrostatic Test (IWB-5222)	0									
B-P	System Leakage Test (IWB-5221)	11									
B-P	System Hydrostatic Test (IWB-5222)	3									
·											
C-H	System Inservice/Functional Test (IWC-5221)	3									
С-Н	System Hydrostatic Test (IWC-5222)	11									

A detailed description of each Examination Category listed above is located in subsection 6.1 of this report. Results of each Examination Category listed above are located in subsection 6.2 of this report.

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<sup>1</sup> A Category B-P leakage test was performed on Class A components where no Category B-P hydro test was performed.

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Outage 6/ EOC21 Oconee Unit 1 Section 6 Page 1 of 5 Revision 0 March 2, 2004 Table 6-2 shows a completion status of pressure tests conducted during the third period of the third ten-year interval

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		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	42	66.67%
С-Н	System Inservice/Functional Test (IWC-5221)	10	10	100%
С-Н	System Hydrostatic Test (IWC-5222)	79	79	100%

 $^2$  2 of the 6 required Category B-P hydrostatic tests were not completed by the end of the 10-year interval. Reference Problem Investigation Process (PIP) serial number O-04-01094.

Outage 6/ EOC21 Oconee Unit 1 Section 6

> Page 2 of 5 Revision 0 March 2, 2004

## 6.1 <u>Required Examinations This Outage:</u>

A listing of each pressure test and associated VT-2 Visual Examination conducted from EOC-20 through EOC-21 is included in this section.

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

Zone Number	=	The unique number assigned to track certain systems or portions of systems that make up a pressure test.
Boundary Drawing	=	Detail drawing of pressure test boundary.
Required Test	E	Information that shows the required tests for the examination zone – (L) Leakage Test, (I) Inservice Test, (F) Functional Test, or (H) Hydrostatic Test.
System Name	=	Name of pressure retaining component system
Required Inspection	=	Type of visual examination required.
Required Procedure	=	Required inspection procedure.
Plan Addenda	Ξ	Serial Number of authorized change(s) to the pressure test plan.
ASME Item Number(s)	= .	ASME Section XI Tables IWB-2500-1 (Class 1) and IWC-2500-1 (Class 2)
Comments	=	General and/or Detail Description

Outage 6/ EOC21 Oconee Unit 1 Section 6

#### Duke Power Company - Oconee Unit 1 Pressure Testing Zone Number Listing

#### Outage 21

Zone Number	Boundary Drawing		ed Te F/H		Required Inspection	Required Procedure	Plan Addenda	ASME Item Number(s)	Comments
OZ1H-1X	O-ISIH-102A-1.1		×	<sup>·</sup> Réactor Coolant	VT-2	QAL-15	None	B15.51 B15.71	None
OZ1H-98	O-ISIH-102A-1.3		×	Reactor Coolant	VT-2	QAL-15	None	B15.51 B15.71	None
	O-ISIH-102A-1.2		×	Reactor Coolant	VT-2	QAL-15	None	B15.51 B15.71	None
OZ1H-99	O-1SIH-102A-1.2		×	Reactor Coolant	VT-2	QAL-15	None	B15.51 B15.71	None
	O-ISIH-102A-1.3		×	Reactor Coolant	VT-2	QAL-15	None	B15.51 B15.71	None
OZ1L-1	O-ISIL-100A-1.1	x		Reactor Coolant	VT-2	QAL-15	None	B15.10 B15.30 B15.50 B15.60 B15.70 C7.30 C7.70	Class B portion of this zone is to compensate for the required double isolation valve Class A exam.
	O-ISIL-100A-1.2	×		Reactor Coolant	VT-2	QAL-15	None	B15.20 B15.50 B15.70 C7.30 C7.70	Class B portion of this zone is to compensate for the required double isolation valve Class A exam.
	O-ISIL-100A-1.3	x		Reactor Coolant	VT-2	QAL-15	None	B15.50 B15.60	None
	O-ISIL-101A-1.1	×		Reactor Coolant	VT-2	QAL-15	None	B15.50	Class B portion of this

## Duke Power Company - Oconee Unit 1 Pressure Testing Zone Number Listing

## Outage 21

Int = 3 Period = 3

Zone Number	Boundary Drawing	Rec L	luire / I /		System Name	Required Inspection	Required Procedure	Plan Addenda	ASME Item Number(s)	Comments
OZ1L-1				4	e1				B15.70	zone is to compensate for the required double isolation valve Class A exam.
	O-ISIL-101A-1.4	X			Reactor Coolant	VT-2	QAL-15	None	B15.50 B15.70	None
	O-ISIL-101A-1.5	X			Reactor Coolant	VT-2	QAL-15	None	B15.50 B15.70	None
	O-ISIL-102A-1.1	×			Reactor Coolant	VT-2	QAL-15	None	B15.50 B15.70	None
	O-ISIL-102A-1.2	X			Reactor Coolant	VT-2	QAL-15	None	B15.50 B15.70	None
	O-ISIL-102A-1.3	X			Reactor Coolant	VT-2	QAL-15	None	B15.50 B15.70	None
	O-ISIL-110A-1.1	×			Chemical Addition	VT-2	QAL-15	None	B15.50 B15.70	None
	O-ISIL-110A-1.4	×			Chemical Addition	VT-2	QAL-15	None	B15.50 B15.70	None
	O-ISIL-127B-1.2	×			High Pressure Service Water	VT-2	QAL-15	None	B15.50 B15.70	None

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# Duke Power Company - Oconee Unit 1 Pressure Testing Zone Number Listing

# Outage 21

Int = 3Period = 3

Zone Number	Boundary Drawing	Required Test L / I / F / H System Name	Required Inspection	Required Procedure	Plan Addenda	ASME Item Number(s)	Comments
IZ1H-14A	O-ISIH-101A-1.3	X High Pressure Injection	VT-2	QAL-15	None	C7.40 C7.60 C7.80	None
IZ1H-14B	O-ISIH-101A-1.3	X High Pressure Injection	VT-2	QAL-15	None	C7.40 C7.80	None
OZ1H-14B	O-ISIH-101A-1.4	X High Pressure Injection	VT-2	QAL-15	None	C7.40 C7.80	None
OZ1H-17B	O-ISIH-101A-1.2	X High Pressure Injection	VT-2	QAL-15	O1-PT-004	C7.40	None
OZ1H-19A	O-ISIH-101A-1.5	X High Pressure Injection	VT-2	QAL-15	None	C7.40 C7.80	None
OZ1H-27A	O-ISIH-102A-1.2	X Low Pressure Injection	VT-2	QAL-15	None	C7.40 C7.60 C7.80	None
OZ1H-39	O-ISIH-104A-1.1	X Spent Fuel Cooling	VT-2	QAL-15	None	C7.40 C7.80	None
OZ1H-44	O-1SIH-110A-1.1	X Chemical Addition	VT-2	QAL-15	None	C7.40 C7.80	None
	O-ISIH-121B-1.3	X Feedwater	VT-2	QAL-15	None	C7.20 C7.40 C7.80 D2.12	None
	O-ISIH-121B-1.5	X Feedwater	VT-2	QAL-15	None	C7.20 C7.40 C7.80	None

#### Duke Power Company - Oconee Unit 1 Pressure Testing Zone Number Listing

## Outage 21

Int = 3Period = 3

Zone Number	Boundary Drawing		quire /1/		System Name	Required Inspection	Required Procedure	Plan Addenda	ASME Item Number(s)	Comments
OZ1H-44				4	a1				D2.12	
	O-ISIH-121D-1.1			x	Emergency Feedwater	VT-2	QAL-15	None	C7.40 C7.80 D2.12	None
	O-ISIH-121D-1.2			 x	Emergency Feedwater	VT-2	QAL-15	None	C7.40 C7.80	None
	O-ISIH-122A-1.1			х	Main Steam	VT-2	QAL-15	None	C7.40 C7.80	None
OZ1H-7B	O-ISIH-101A-1.3			 х	High Pressure Injection	VT-2	QAL-15	None	C7.40 C7.80	None
	O-ISIH-102A-1.2			 х	Low Pressure Injection	VT-2	QAL-15	None	C7.40 C7.80	None
OZ1H-9	O-ISIH-101A-1.3			х	High Pressure Injection	VT-2	QAL-15	None	C7.40 C7.80	None
	O-ISIH-102A-1.2			 х	Low Pressure Injection	VT-2	QAL-15	None	C7.40 C7.80	None
OZ1L-1	O-ISIL-100A-1.1	x			Reactor Coolant	VT-2	QAL-15	None	B15.10 B15.30 B15.50 B15.60 B15.70 C7.30 C7.70	Class B portion of this zone is to compensate for the required double isolation valve Class A exam.
	O-ISIL-100A-1.2	×			Reactor Coolant	VT-2	QAL-15	None	B15.20	Class B portion of this

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#### Duke Power Company - Oconee Unit 1 Pressure Testing Zone Number Listing

# Outage 21

Int = 3Period = 3

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Zone Number	Boundary Drawing		Tesi / H	t System Name	Required Inspection	Required Procedure	Plan Addenda	ASME Item Number(s)	Comments
OZ1L-1				c1				B15.50 B15.70 C7.30 C7.70	zone is to compensate for the required double isolation valve Class A exam.
OZ1L-27A	O-ISIL-102A-1.2	×		Low Pressure Injection	VT-2	QAL-15	None	C7.30 C7.50 C7.70	None
OZ1L-7	O-ISIL-101A-1.2	x		High Pressure Injection	VT-2	QAL-15	None	C7.30 C7.70	None
	O-ISIL-101A-1.3	x		High Pressure Injection	VT-2	QAL-15	None	C7.30 C7.70	None

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#### 6.2 Examination Results For This Outage:

The results of each pressure test and associated VT-2 Visual Examination conducted from EOC-20 through EOC-21 are included in this section.

The information shown below is a field description for the Class 1 and Class 2 listing format included in this section of the report:

Zone Number	=	The unique number assigned to track certain extremity valves that make up a test
Boundary Drawing	=	Detail drawing of pressure test boundary
Outage	=	The number for the refueling outage cycle of this report
Test Status	=	Complete or Partial
Test Result	=	Clear (No Evidence Of Leakage), Reportable (Evidence Of Leakage - Not Through Wall such as packing leak), Reportable (Evidence Of Through Wall Leakage)
Test Pkg. No.		Work order number for the test
VT-2 Examiner	=	The name of the Level II Visual examiner
VT-2 Date	=	Date VT-2 visual examination was performed

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Outage 6/ EOC21 Oconee Unit 1 Section 6 (

Current Interval = 3 Current Period = 3 Class = A

Duke Power Company - Oconee Unit 1 Pressure Testing VT-2 Examination Results

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Zone Number	Boundary Drawing	Outage	Test Status	Test Result	Test Pkg. No.	VT-2 Examiner	VT-2 Date
OZ1H-1X	O-ISIH-102A-1.1	21 <sup>4</sup>		Clear	12frn-676	N/A	12/11/2003
OZ1H-98	O-ISIH-102A-1.2	21	Complete	Clear	11lrn-646	N/A	12/14/2003
	O-ISIH-102A-1.3	21	Complete	Clear	11Irn-646	N/A	12/14/2003
OZ1H-99	O-ISIH-102A-1.2	21	Complete	Clear	11lrn-646	N/A	12/14/2003
	O-ISIH-102A-1.3	21	Complete	Clear	11lm-646	N/A	12/14/2003
OZ1L-1	O-ISIL-100A-1.1	21	Complete	Clear	11lrn-646	N/A	12/14/2003
	O-ISIL-100A-1.2	21	Complete	Clear	11Im-646	N/A	12/14/2003
	O-ISIL-100A-1.3	21	Complete	Clear	11Irn-646	N/A	12/14/2003
	O-ISIL-101A-1.1	21	Complete	Clear	11lrn-646	N/A	12/14/2003
	O-ISIL-101A-1.4	21	Complete	Clear	11Irn-646	N/A	12/14/2003
	O-ISIL-101A-1.5	21	Complete	Clear	11Im-646	N/A	12/14/2003
	O-ISIL-102A-1.1	21	Complete	Clear	11Irn-646	N/A	12/14/2003
	O-ISIL-102A-1.2	21	Complete	Clear	11Irn-646	N/A	12/14/2003
	O-ISIL-102A-1.3	21	Complete	Clear	11Irn-646	N/A	12/14/2003
	O-ISIL-110A-1,1	21	Complete	Clear	11Irn-646	N/A	12/14/2003
	O-ISIL-110A-1.4	21	Complete	Clear	11Irn-646	N/A	12/14/2003
	O-ISIL-127B-1.2	21	Complete	Clear	11Irn-646	N/A	12/14/2003

Current Interval = 3 Current Period = 3 Class = B

Duke Power Company - Oconee Unit 1 Pressure Testing VT-2 Examination Results

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Zone Number	Boundary Drawing	Outage	Test Status	Test Result	Test Pkg. No.	VT-2 Examiner	VT-2 Date
IZ1H-14A	O-ISIH-101A-1.3	21	Complete	Clear	12fin-585a	N/A	11/26/2003
IZ1H-14B	O-ISIH-101A-1.3	21	Complete	Clear	12fin-585b	N/A	09/19/2003
OZ1H-14B	O-ISIH-101A-1.4	21	Complete	Clear	12fin585b, also did 12fin-585A on 11/26/2003	N/A	09/19/2003
OZ1H-17B	O-ISIH-101A-1.2	21	Complete	Clear	12frn-583	N/A	11/26/2003
OZ1H-19A	O-ISIH-101A-1.5	21	Complete	Clear	12fn-652 did zone oz1h-19b on ofd-101a-1.5	N/A	12/02/2003
OZ1H-27A	O-ISIH-102A-1.2	21	Complete	Clear	12fn-653	N/A	12/08/2003
OZ1H-39	O-ISIH-104A-1.1	21	Complete	Clear	12fn-607	N/A	11/22/2003
	O-ISIH-110A-1.1	21	Complete	Clear	12frn-651	N/A	12/14/2003
	O-ISIH-121B-1.3	21	Complete	Clear	12frn-651	N/A	12/14/2003
	O-ISIH-121B-1.5	21	Complete	Clear	12frn-651	N/A	12/14/2003
	O-ISIH-121D-1.1	21	Complete	Clear	12frn-651	N/A	12/14/2003
	O-ISIH-121D-1.2	21	Complete	Clear	12frn-651	N/A	12/14/2003
	O-ISIH-122A-1.1	21	Complete	Clear	12fm-651	N/A	12/14/2003
	O-ISIH-101A-1.3	21	Complete	Clear	12frn-583	N/A	11/26/2003
	O-ISIH-102A-1.2	21	Complete	Clear	12frn-583	N/A	11/26/2003
	O-ISIH-101A-1.3	21	Complete	Clear	12frn-582	N/A	12/11/2003
	O-ISIH-102A-1.2	21	Complete	Clear	12fm-582	N/A	12/14/2003
	O-ISIL-100A-1.1	21	Complete	Clear	11lrn-646	N/A	12/14/2003
	O-ISIL-100A-1.2	21	Complete	Clear	11Irn-646	N/A	12/14/2003
OZ1L-27A	O-ISIL-102A-1.2	21	Complete	Clear	12fn-653	N/A	12/08/2003
	O-ISIL-101A-1.2	21	Complete	Clear	12frn-583	N/A	11/26/2003
	O-ISIL-101A-1.3	21	Complete	Clear	12frn-583	N/A	11/26/2003

#### 6.3 <u>Reportable Indications:</u>

None

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Section 6 Prepared By: Date: Jim Boughman 3/2/04

Section 6 Reviewed By: Date: 3-8-04 Paul W. Waltman

Outage 6/ EOC21 Oconee Unit 1 Section 6

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