

January 17, 2005

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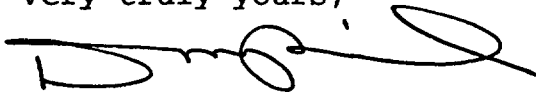
Subject: Duke Energy Corporation
Catawba Nuclear Station, Unit 2
Docket Number 50-414
Inservice Inspection Report for End of
Cycle 13 Refueling Outage

Please find attached the subject report which provides the results of the inservice inspection effort associated with the subject outage.

There are no regulatory commitments contained in this letter or its attachment.

If you have any questions concerning this material, please call L.J. Rudy at (803) 831-3084.

Very truly yours,



Dhiaa M. Jamil

LJR/s

Attachment

A047

Document Control Desk
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January 17, 2005

xc (with attachment):

W.D. Travers, Regional Administrator
U.S. Nuclear Regulatory Commission, Region II
Atlanta Federal Center
61 Forsyth St., SW, Suite 23T85
Atlanta, GA 30303

E.F. Guthrie, Senior Resident Inspector
U.S. Nuclear Regulatory Commission
Catawba Nuclear Station

S.E. Peters, Project Manager (addressee only)
U.S. Nuclear Regulatory Commission
Mail Stop O-8 G9
Washington, D.C. 20555-0001

**INSERVICE INSPECTION REPORT
CATAWBA - UNIT 2
2004 REFUELING OUTAGE
EOC13 (OUTAGE 6)**

NRC Document Control

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner: Duke Energy Corporation, 526 S. Church St., Charlotte, NC 28201-1006
(Name and Address of Owner)
2. Plant: Catawba Nuclear Station, 4800 Concord Road, York, SC 29745
(Name and Address of Plant)
3. Plant Unit: 2
4. Owner Certificate of Authorization (if required): N/A
5. Commercial Service Date: 8/19/86
6. National Board Number for Unit: 173
7. Components Inspected:

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

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8¹/₂ 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.

Total number of pages contained in this report 298.

FORM NIS-1 (Back)

8. Examination Dates: March 27, 2003 to October 24, 2004
9. Inspection Period Identification: Third Period
10. Inspection Interval Identification: Second Interval
11. Applicable Edition of Section XI: 1989 Addenda None
12. Date / Revision of Inspection Plan: September 9, 1999 / Revision 2
13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan: See Sections 2.0, 3.0 and 6.0
14. Abstract of Results of Examinations and Tests: See Section 4.0 and 6.0
15. Abstract of Corrective Measures: See Subsection 4.3

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

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

Date 1/11/05 Signed Duke Energy Corp. By R. Kevin Rhyno
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA employed by * HSB of Connecticut have inspected the components described in this Owner's Report during the period 3-27-03 to 12-27-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this 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, tests, 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

Robert McGill Commissions NC978
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11-05

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

INSERVICE INSPECTION REPORT

CATAWBA - UNIT 2

2004 REFUELING OUTAGE

EOC13 (OUTAGE 6)

Location: 4800 Concord Road, York, South Carolina 29745

NRC Docket No. 50-414

National Board No. 173

Commercial Service Date: August 19, 1986

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

Revision 0

Prepared By:

G. J. Hogge Jr.

Date

1/6/2005

Reviewed By:

J. E. Cherry

Date

1/6/2005

Approved By:

L. Kevin Payne

Date

1/11/05

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c/o Robert McGill
Catawba Nuclear Station**
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c/o Bruce Nardoci**

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1.0 General Information

This report describes the Inservice Inspection of Duke Energy Corporation's Catawba Nuclear Station Unit 2 during Outage 6 / EOC13. This is the First Outage of the Third Inspection Period of the Second Ten-Year Interval. ASME Section XI, 1989 Edition with no Addenda, was the governing Code for selection and performance of the ISI examinations.

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

1.1 Identification Numbers

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Combustion Engineering	8871	N/A	21667
Pressurizer	Westinghouse	1931	N/A	W26949
Steam Generator 2A	Westinghouse	1923	N/A	4
Steam Generator 2B	Westinghouse	1922	N/A	3
Steam Generator 2C	Westinghouse	1921	N/A	2
Steam Generator 2D	Westinghouse	1924	N/A	5
Reactor Coolant Pump 2A	Ionics, Inc.	1S-86P765	N/A	342
Reactor Coolant Pump 2B	Ionics, Inc.	2S-86P765	N/A	343

1.1 Identification Numbers (Continued)

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Coolant Pump 2C	Ionics, Inc.	3S-86P765	N/A	586
Reactor Coolant Pump 2D	Ionics, Inc.	4S-86P765	N/A	587
Reactor Coolant System	Duke Power Co.	C-2NC	N/A	171
Safety Injection System	Duke Power Co.	C-2NI	N/A	172
Residual Heat Removal System	Duke Power Co.	C-2ND	N/A	154
Chemical and Volume Control System	Duke Power Co.	C-2NV	N/A	170
Auxiliary Feedwater System	Duke Power Co.	C-2CA	N/A	159
Feedwater System	Duke Power Co.	C-2CF	N/A	158
Refueling Water System	Duke Power Co.	C-2FW	N/A	141
Main Steam Supply to Auxiliary Equipment	Duke Power Co.	C-2SA	N/A	134
Main Steam System	Duke Power Co.	C-2SM	N/A	162
Main Steam Vent to Atmosphere System	Duke Power Co.	C-2SV	N/A	156
Containment Spray System	Duke Power Co.	C-2NS	N/A	150
Steam Generator Blowdown System	Duke Power Co.	C-2BB	N/A	155
Steam Generator Wet Layup Recirculation System	Duke Power Co.	C-2BW	N/A	152

1.1 Identification Numbers (Continued)

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Spent Fuel Cooling System	Duke Power Co.	C-2KF	N/A	151
Boron Recycle System	Duke Power Co.	C-2NB	N/A	153
Nuclear Sampling System	Duke Power Co.	C-2NM	N/A	169
Containment Penetration Valve Injection Water System	Duke Power Co.	C-2NW	N/A	165
Liquid Radwaste System	Duke Power Co.	C-2WL	N/A	168
Excess Letdown Heat Exchanger	Atlas Industrial Manufacturing Company	3205	N/A	2583
Seal Water Heat Exchanger	Atlas Industrial Manufacturing Company	3621	N/A	2977
Vertical Letdown Heat Exchanger	Joseph Oat Corporation	2268-2B	N/A	944
Regenerative Heat Exchanger	Joseph Oat Corporation	2255-1C3	N/A	877
Residual Heat Removal Heat Exchanger	Joseph Oat Corporation	2A 2267-3C	N/A	848
		2B 2267-3D	N/A	849
Containment Spray Heat Exchanger	Yuba Heat Transfer Corporation	2A 74-N-009-2A	N/A	3330
		2B 74-N-009-2B	N/A	3331
Seal Water Injection Filter	Pall Trinity Micro Corporation	2A 35367	N/A	19025
		2B 35366	N/A	19024
Volume Control Tank	Lamco Industries Inc.	2286.30	N/A	77171

1.1 Identification Numbers (Continued)

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Residual Heat Removal Pump	Ingersoll-Rand	2A 077647	N/A	237
		2B 077648	N/A	238
Containment Spray Pump	Bingham-Willamette	2A 230342	N/A	215
		2B 230343	N/A	216
Safety Injection Pump	Pacific Pumps	2A 49361	N/A	240
		2B 49362	N/A	241
Centrifugal Charging Pump	Pacific Pumps	2A 49780	N/A	262
		2B 49779	N/A	259

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 the 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, 1995 Edition with the 1996 Addenda through the Performance Demonstration Initiative (PDI) for welds and components within the scope of Appendix VIII.

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 Catawba Nuclear Station or copies may be obtained by contacting the Duke Energy Corporate Office in Charlotte, North Carolina.

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

The certification records for WesDyne inspectors and the calibration records of WesDyne inspection equipment are included in the WesDyne Catawba Nuclear Power Plant Unit 2 10 Year Reactor Vessel Inservice Examination Report, on file at The Duke Energy Corporate Office in Charlotte, North Carolina.

1.3 Reference Documents

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

Duke Energy Corporation Catawba Nuclear Station, Unit 2 Docket Number 50-414, Request for Relief Serial Number (To Be Filed Later) Limited Weld Coverage During End-of-Cycle 12 and EOC13 Refueling Outages

PIP#C-04-05421 Linear Indication of one Inch found in S/G "C" on Hot Leg during RT (Radiography)

Catawba Analytical Evaluation Calculation CNC-2201.01-00-0006, Evaluation of 2EOC13 ISI Flaw in SG2C to Hot Leg Weld)

Duke Energy Corporation, Catawba Nuclear Station, Units 1 and 2 Docket Numbers 50-413 and 50-414, Request for Relief Number 03-001, Relief from Volumetric Examination Requirements on Regenerative Heat Exchangers.

1.4 Augmented and Elective Examinations

Augmented and elective examination information found within this Inservice Inspection Owner's Summary Report is not required by the ASME Section XI Code or; 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:	R. N. McGill
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

2.0 Second 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, Table IWC-2500-1 for Class 2 Inspections, and IWF-2500-1 (Code Case N-491 applies) for Class 1, 2 and 3 Component Supports. Augmented Inspections are also included.

Class 1 Inspections

<i>Examination Category</i>	<i>Description</i>	<i>Inspections Required</i>	<i>Inspections Completed</i>	<i>Percentage Completed</i>	<i>¹Deferral Allowed</i>
B-A	Pressure Retaining Welds in Reactor Vessel	24	24	100%	Yes
B-B	Pressure Retaining Welds in Vessels Other than Reactor Vessels	5	5	100%	No
B-D	Full Penetration Welds of Nozzles in Vessels Inspection Program B	36	36	100%	Partial
B-E	Pressure Retaining Partial Penetration Welds in Vessels	REFERENCE SECTION 6.0 OF THIS REPORT			
B-F	Pressure Retaining Dissimilar Metal Welds	46	43.33	94.20%	No
B-G-1	Pressure Retaining Bolting Greater than 2" in Diameter	224	220	98.21%	Yes
B-G-2	Pressure Retaining Bolting 2" and Less in Diameter	28	27	96.43%	No
B-H	Integral Attachments for Vessels	5	5	100%	No
B-J	Pressure Retaining Welds in Piping	224	192	85.71%	No

Class 1 Inspections (Continued)

<i>Examination Category</i>	<i>Description</i>	<i>Inspections Required</i>	<i>Inspections Completed</i>	<i>Percentage Completed</i>	<i>¹Deferral Allowed</i>
B-K-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	N/A	N/A	N/A	N/A
B-L-2	Pump Casings	1	0	0%	Yes
B-M-1	Pressure Retaining Welds in Valve Bodies	1	0	0%	Yes
B-M-2	Valve Body > 4 in. Nominal Pipe Size	7	7	100%	Yes
B-N-1	Interior of Reactor Vessel	3	3	100%	No
B-N-2	Integrally Welded Core Support Structures and Interior Attachments to Reactor Vessels	2	2	100%	Yes
B-N-3	Removable Core Support Structures	1	1	100%	Yes
B-O	Pressure Retaining Welds in Control Rod Housings	3	3	100%	Yes
B-P	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT			
B-Q	Steam Generator Tubing	See Note below			
F-A F01.010	Class 1 Component Supports (Code Case N-491)	71	67	94.37%	No

Note: Steam Generator Tubing is examined and documented by Nuclear Technical Services as required by the Station Technical Specifications and is not included in this report.

¹ Deferral of inspection to the end of the interval as allowed by ASME Section XI Table IWB 2500-1. These examination categories are exempt from percentage requirements per IWB-2412 (a), Inspection Program B.

Class 2 Inspections

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed
C-A	Pressure Retaining Welds in Pressure Vessels	29	16	55.17% See Note Below
C-B	Pressure Retaining Nozzle Welds in Vessels	11	9	81.82%
C-C	Integral Attachments for Vessels, Piping, Pumps, and Valves	67	55	82.09%
C-D	Pressure Retaining Bolting Greater Than 2" in Diameter	N/A	N/A	N/A
C-F-1	Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping	289	248	85.81%
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	46	39	84.78%
C-G	Pressure Retaining Welds in Pumps and Valves	20	13	65%
C-H	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT		
F-A F01.020	Class 2 Component Supports (Code Case N-491)	229	196	85.59%

Note: Twelve (12) Regenerative Heat Exchanger Welds (Shell-to-Head Welds and Tubesheet-to-Shell Welds), scheduled for EOC13, were not performed because of high radiation conditions. (See Request for Relief Serial No. 03-001 referenced in Section 1.3 of this report)

Augmented Inspections

<i>Description</i>	<i>Percentage Complete</i>
Postulated Pipe Failures - Main Steam System	100% of requirements for Outage 6 / EOC-13

3.0 Final Inservice Inspection Plan

The final Inservice Inspection Plan shown in this section lists all ASME Section XI Class 1, Class 2, and Augmented inspections 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
DIA / THICK	=	Diameter / Thickness
CAL BLOCKS	=	Calibration Block Number
COMMENTS	=	General and / or Detail Description

**CATEGORY B-A, Pressure Retaining Welds in
Reactor Vessel**

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

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Shell Welds

Catawba 2

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential ****									
B01.011.001	2RPV-101-141		E-8871-141-001	*	UT	CS	0.000	PDI-01	Circumferential Weld 151-101 to 142-101 Lower Head to Shell
	Circumferential	NC	CNM 2201.01-67				5.300		* Use WesDyne Procedure PDI-ISI-254
Class A					Shell				Reference CNM 2201.01-0205
B01.011.002	2RPV-101-171		E-8871-171-001	*	UT	CS	0.000	PDI-01	Circumferential Weld 124-101 To 142-101 RPV Shell To Shell
	Circumferential	NC	CNM 2201.01-67				8.600		* Use WesDyne Procedure PDI-ISI-254
Class A					Shell				Reference CNM 2201.01-0205
B01.011.003	2RPV-103-121		E-8871-121-001	*	UT	CS	0.000	PDI-01	Circumferential Weld 124-101 To 122-101 Shell To Nozzle Belt
	Circumferential	NC	CNM 2201.01-67				8.600		* Use WesDyne Procedure PDI-ISI-254
Class A					Nozzle Belt to Shell				Reference CNM 2201.01-0205
Total B01.011 Items: 3									
**** Longitudinal ****									
B01.012.001	2RPV-101-122A		E-8871-122-001	*	UT	CS	0.000	PDI-01	Upper Shell Long. Seam at 42 Degrees Pc. 122-102
	Longitudinal	NC	CNM 2201.01-67				10.700		* Use WesDyne Procedure PDI-ISI-254
Class A					RPV Upper Shell to RPV Upper Shell				Reference CNM 2201.01-0205
B01.012.002	2RPV-101-122B		E-8871-122-001	*	UT	CS	0.000	PDI-01	Upper Shell Long. Seam At 162 Degrees Pc. 122-102
	Longitudinal	NC	CNM 2201.01-67				10.700		* Use WesDyne Procedure PDI-ISI-254
Class A					RPV Upper Shell to RPV Upper Shell				Reference CNM 2201.01-0205
B01.012.003	2RPV-101-122C		E-8871-122-001	*	UT	CS	0.000	PDI-01	Upper Shell Long. Seam At 282 Degrees Pc. 122-102
	Longitudinal	NC	CNM 2201.01-67				10.700		* Use WesDyne Procedure PDI-ISI-254
Class A					RPV Upper Shell to RPV Upper Shell				Reference CNM 2201.01-0205
B01.012.004	2RPV-101-124A		E-8871-124-001	*	UT	CS	0.000	PDI-01	Intermediate Shell Long. Seam At 0 Degrees Pc. 124-102
	Longitudinal	NC	CNM 2201.01-67				8.600		* Use WesDyne Procedure PDI-ISI-254
Class A					RPV Inter. Shell to RPV Inter. Shell				

CATEGORY B-A, Pressure Retaining Welds In Reactor Vessel

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

Catawba 2

Inservice Inspection Plan for Interval 2 Outage 6

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Shell Welds

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
Reference CNM 2201.01-0205										
B01.012.005	2RPV-101-124B		E-8871-124-001	*	UT	CS	0.000	PDI-01	Intermediate Shell Long. Seam At 120 Degrees Pc. 124-102	
Class A	Longitudinal	NC	CNM 2201.01-67				8.600		* Use WesDyne Procedure PDI-ISI-254	
RPV Inter. Shell										
Reference CNM 2201.01-0205										
B01.012.006	2RPV-101-124C		E-8871-124-001	*	UT	CS	0.000	PDI-01	Intermediate Shell Long. Seam At 240 Degrees Pc. 124-102	
Class A	Longitudinal	NC	CNM 2201.01-67				8.600		* Use WesDyne Procedure PDI-ISI-254	
RPV Inter. Shell to RPV Inter. Shell										
Reference CNM 2201.01-0205										
B01.012.007	2RPV-101-142A		E-8871-142-001	*	UT	CS	0.000	PDI-01	Lower Shell Long. Seam At 60 Degrees Pc. 142-102	
Class A	Longitudinal	NC	CNM 2201.01-67				8.600		* Use WesDyne Procedure PDI-ISI-254	
RPV Lower Shell to RPV Lower Shell										
Reference CNM 2201.01-0205										
B01.012.008	2RPV-101-142B		E-8871-142-001	*	UT	CS	0.000	PDI-01	Lower Shell Long. Seam At 180 Degrees Pc. 142-102	
Class A	Longitudinal	NC	CNM 2201.01-67				8.600		* Use WesDyne Procedure PDI-ISI-254	
RPV Lower Shell to RPV Lower Shell										
Reference CNM 2201.01-0205										
B01.012.009	2RPV-101-142C		E-8871-142-001	*	UT	CS	0.000	PDI-01	Lower Shell Long. Seam At 300 Degrees Pc. 142-102	
Class A	Longitudinal	NC	CNM 2201.01-67				8.600		* Use WesDyne Procedure PDI-ISI-254	
RPV Lower Shell										
Reference CNM 2201.01-0205										
Total B01.012 Items:		9								

Total B01.022 Items: 4

CATEGORY B-A, Pressure Retaining Welds in Reactor Vessel

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

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Shell-to-Flange Weld

Catawba 2

Inservice Inspection Plan for Interval 2 Outage 6

<u>ITEM NUMBER</u>	<u>ID NUMBER</u>	<u>SYS</u>	<u>ISO/DWG NUMBERS</u>	<u>PROC</u>	<u>INSP REQ MAT/SCH</u>	<u>DIA/THK CAL BLOCKS</u>	<u>COMMENTS</u>
B01.030.001	2RPV-101-121 Circumferential Class A		E-8871-121-001 NC CNM 2201.01-67	*	UT CS	0.000 PDI-01 10.700	Circumferential Weld 122-101 To 126-201 Nozzle Belt To Flange UT From Vessel ID * Use WesDyne Procedure PDI-ISI-254 Reference CNM 2201.01-0205
Total B01.030 Items:		1					
Total B01 Items:		18					

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

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

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Pressurizer

Catawba 2

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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**** Shell-to-Head Welds; Longitudinal ****

B02.012.002	2PZR-W9D			NDE-620	UT	CS	91.500	50337	Pressurizer Upper Head To Shell Longitudinal Weld
	Longitudinal	NC	CNM 2201.01-110/1				3.750	50236A	Depending upon the examiner's qualifications,
Class A			CNM 2201.01-110/2		PZR Upper Head to Shell				Procedure PDI-UT-6 may be used in lieu of Procedure NDE-620.

Total B02.012 Items: 1

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

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

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Steam Generators (Primary Side)

Catawba 2

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Tubesheet-to-Head Weld ****									
B02.040.001	2SGA-01-02			NDE-620	UT	CS	0.000	50301	Steam Generator 2A Channel Head To Tubesheet
	Circumferential	NC	CNM 2201.01-102/1				5.160	50236A	Depending upon the examiner's qualifications,
Class A			CNM 2201.01-113/1		Channel Head to				Procedure PDI-UT-6 may be used in lieu of
					Tubesheet				Procedure NDE-620.
Total B02.040 Items:		1							
Total B02 Items:		2							

CATEGORY B-D, Full Penetration Welds of Nozzels in Vessels

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Nozzle-to-Vessel welds ****									
B03.090.001	2RPV-105-121B		CN-1041-14	*	UT	CS	57.000	PDI-01	Inlet Nozzle To Shell 67 Degrees Loop B (Reactor Building 113 Degrees).
	Circumferential	NC	E 8871-121-001				10.750		Pc. 128-201 To 122-101. UT From Vessel ID.
Class A			CNM 2201.01-74/5						* Use WesDyne Procedure PDI-ISI-254
					Shell				Reference CNM 2201.01-0205
B03.090.001A	2RPV-105-121B		CN-1041-14	*	UT	CS	57.000	PDI-01	Inlet Nozzle To Shell 67 Degrees Loop B (Reactor Building 113 Degrees).
	Circumferential	NC	E 8871-121-001				10.750		Pc. 128-201 To 122-101. UT From Nozzle ID.
Class A			CNM 2201.01-74/5						* Use WesDyne Procedure PDI-ISI-254-NZ
					Shell				Reference CNM 2201.01-0205
B03.090.002	2RPV-105-121A		CN-1041-14	*	UT	CS	57.000	PDI-01	Inlet Nozzle To Shell 113 Degrees Loop A (Reactor Building 67 Degrees).
	Circumferential	NC	E 8871-121-001				10.750		Pc. 128-202 To 122-101. UT From Vessel ID.
Class A			CNM 2201.01-74/5						* Use WesDyne Procedure PDI-ISI-254
					Shell				Reference CNM 2201.01-0205
B03.090.002A	2RPV-105-121A		CN-1041-14	*	UT	CS	57.000	PDI-01	Inlet Nozzle To Shell 113 Degrees Loop A (Reactor Building 67 Degrees).
	Circumferential	NC	E 8871-121-001				10.750		Pc. 128-202 To 122-101. UT From Nozzle ID.
Class A			CNM 2201.01-74/5						* Use WesDyne Procedure PDI-ISI-254-NZ
					Shell				Reference CNM 2201.01-0205
B03.090.003	2RPV-105-121D		CN-1041-14	*	UT	CS	57.000	PDI-01	Inlet Nozzle To Shell 247 Degrees Loop D (Reactor Building 293 Degrees).
	Circumferential	NC	E 8871-121-001				10.750		Pc. 128-201 To 122-101. UT From Vessel ID.
Class A			CNM 2201.01-74/5						* Use WesDyne Procedure PDI-ISI-254
					Shell				Reference CNM 2201.01-0205
B03.090.003A	2RPV-105-121D		CN-1041-14	*	UT	CS	57.000	PDI-01	Inlet Nozzle To Shell 247 Degrees Loop D (Reactor Building 293 Degrees).
	Circumferential	NC	E 8871-121-001				10.750		Pc. 128-201 To 122-101. UT From Nozzle ID.
Class A			CNM 2201.01-74/5						* Use WesDyne Procedure PDI-ISI-254-NZ
					Shell				Reference CNM 2201.01-0205

CATEGORY B-D, Full Penetration Welds of Nozzels in Vessels

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
B03.090.004	2RPV-105-121C		CN-1041-14	*	UT	CS	57.000		PDI-01	Inlet Nozzle To Shell 293 Degrees Loop C (Reactor Building 247 Degrees).
	Circumferential	NC	E 8871-121-001				10.750			Pc. 128-202 To 122-101. UT From Vessel ID. * Use WesDyne Procedure PDI-ISI-254
Class A			CNM 2201.01-74/5		Shell					Reference CNM 2201.01-0205
B03.090.004A	2RPV-105-121C		CN-1041-14	*	UT	CS	57.000		PDI-01	Inlet Nozzle To Shell 293 Degrees Loop C (Reactor Building 247 Degrees).
	Circumferential	NC	E 8871-121-001				10.750			Pc. 128-202 To 122-101. UT From Nozzle ID. * Use WesDyne Procedure PDI-ISI-254-NZ
Class A			CNM 2201.01-74/5		Shell					Reference CNM 2201.01-0205
B03.090.005	2RPV-107-121B		CN-1041-14	*	UT	CS	53.000		PDI-01	Outlet Nozzle To Shell 22 Degrees Loop B (Reactor Building 158 Degrees).
	Circumferential	NC	E 8871-121-001				10.750			Pc. 128-402 To 122-101. UT From Vessel ID. * Use WesDyne Procedure PDI-ISI-254
Class A			CNM 2201.01-74/5		Shell					Reference CNM 2201.01-0205
B03.090.005A	2RPV-107-121B		CN-1041-14	*	UT	CS	53.000		PDI-01	Outlet Nozzle To Shell 22 Degrees Loop B (Reactor Building 158 Degrees). Pc. 128-402 To 122-101. UT From Nozzle ID. * Use WesDyne Procedure PDI-ISI-254-NZ
	Circumferential	NC	E 8871-121-001				10.750			Ref. Request For Relief Serial Number 93-02 and Request For Relief Serial Number 94-05 Rev.1.
Class A			CNM 2201.01-74/5		Shell					Reference CNM 2201.01-0205
B03.090.006	2RPV-107-121A		CN-1041-14	*	UT	CS	53.000		PDI-01	Outlet Nozzle To Shell 158 Degrees Loop A (Reactor Building 22 Degrees). Pc. 128-401 To 122-101. UT From Vessel ID. * Use WesDyne Procedure PDI-ISI-254
	Circumferential	NC	E 8871-121-001				10.750			Reference CNM 2201.01-0205
Class A			CNM 2201.01-74/5		Shell					
B03.090.006A	2RPV-107-121A		CN-1041-14	*	UT	CS	53.000		PDI-01	Outlet Nozzle To Shell 158 Degrees Loop A (Reactor Building 22 Degrees). Pc. 128-401 To 122-101. UT From Nozzle ID. * Use WesDyne Procedure PDI-ISI-254-NZ
	Circumferential	NC	E 8871-121-001				10.750			
Class A			CNM 2201.01-74/5		Shell					

**CATEGORY B-D, Full Penetration Welds of
Nozzels in Vessels**

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
										Ref. Request For Relief Serial Number 93-02 and Request For Relief Serial Number 94-05 Rev.1.
										Reference CNM 2201.01-0205
B03.090.007	2RPV-107-121D		CN-1041-14	*	UT	CS	53.000		PDI-01	Outlet Nozzle To Shell 202 Degrees Loop D (Reactor Building 338 Degrees). Pc. 128-402 To 122-101. UT From Vessel ID.
	Circumferential	NC	E 8871-121-001				10.750			* Use WesDyne Procedure PDI-ISI-254
Class A			CNM 2201.01-74/5		Shell					Reference CNM 2201.01-0205
B03.090.007A	2RPV-107-121D		CN-1041-14	*	UT	CS	53.000		PDI-01	Outlet Nozzle To Shell 202 Degrees Loop D (Reactor Building 338 Degrees). Pc. 128-402 To 122-101. UT From Nozzle ID.
	Circumferential	NC	E 8871-121-001				10.750			* Use WesDyne Procedure PDI-ISI-254-NZ
Class A			CNM 2201.01-74/5		Shell					Ref. Request For Relief Serial Number 93-02 and Request For Relief Serial Number 94-05 Rev.1.
										Reference CNM 2201.01-0205
B03.090.008	2RPV-107-121C		CN-1041-14	*	UT	CS	53.000		PDI-01	Outlet Nozzle To Shell 338 Degrees Loop C (Reactor Building 202 Degrees). Pc. 128-401 To 122-101. UT From Vessel ID.
	Circumferential	NC	E 8871-121-001				10.750			* Use WesDyne Procedure PDI-ISI-254
Class A			CNM 2201.01-74/5		Shell					Reference CNM 2201.01-0205
B03.090.008A	2RPV-107-121C		CN-1041-14	*	UT	CS	53.000		PDI-01	Outlet Nozzle To Shell 338 Degrees Loop C (Reactor Building 202 Degrees). Pc. 128-401 To 122-101. UT From Nozzle ID
	Circumferential	NC	E 8871-121-001				10.750			* Use WesDyne Procedure PDI-ISI-254-NZ
Class A			CNM 2201.01-74/5		Shell					Ref. Request For Relief Serial Number 93-02 and Request For Relief Serial Number 94-05 Rev.1.
										Reference CNM 2201.01-0205

Total B03.090 Items: 16

CATEGORY B-D, Full Penetration Welds of Nozzels in Vessels

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Nozzle Inside Radius Section ****									
B03.100.001	2RPV-105-121B		CN-1041-14	*	VT-1	CS	57.000		Inlet Nozzle To Shell 67 Degrees Loop B (Reactor Building 113 Degrees). Perform EVT-1 in lieu of UT per Code Case N-648-1.
		NC	E 8871-121-001				10.750		* Use WesDyne Procedure WDI-STD-088
Class A			CNM 2201.01-74/5					Shell	Reference CNM 2201.01-0205
B03.100.002	2RPV-105-121A		CN-1041-14	*	VT-1	CS	57.000		Inlet Nozzle To Shell 113 Degrees Loop A (Reactor Building 67 Degrees). Perform EVT-1 in lieu of UT per Code Case N-648-1.
		NC	E 8871-121-001				10.750		* Use WesDyne Procedure WDI-STD-088
Class A			CNM 2201.01-74/5					Shell	Reference CNM 2201.01-0205
B03.100.003	2RPV-105-121D		CN-1041-14	*	VT-1	CS	57.000		Inlet Nozzle To Shell 247 Degrees Loop D (Reactor Building 293 Degrees). Perform EVT-1 in lieu of UT per Code Case N-648-1.
		NC	E 8871-121-001				10.750		* Use WesDyne Procedure WDI-STD-088
Class A			CNM 2201.01-74/5					Shell	Reference CNM 2201.01-0205
B03.100.004	2RPV-105-121C		CN-1041-14	*	VT-1	CS	57.000		Inlet Nozzle To Shell 293 Degrees Loop C (Reactor Building 247 Degrees). Perform EVT-1 in lieu of UT per Code Case N-648-1.
		NC	E 8871-121-001				10.750		* Use WesDyne Procedure WDI-STD-088
Class A			CNM 2201.01-74/5					Shell	Reference CNM 2201.01-0205
B03.100.005	2RPV-107-121B		CN-1041-14	*	VT-1	CS	53.000		Outlet Nozzle To Shell 22 Degrees Loop B (Reactor Building 158 Degrees).
		NC	E 8871-121-001				10.750		Ref. Request For Relief Serial Number 93-02 and Request For Relief Serial Number 94-05 Rev.1.
Class A			CNM 2201.01-74/5					Shell	Perform EVT-1 in lieu of UT per Code Case N-648-1.
									* Use WesDyne Procedure WDI-STD-088
									Reference CNM 2201.01-0205

**CATEGORY B-D, Full Penetration Welds of
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B03.100.006	2RPV-107-121A		CN-1041-14	*	VT-1	CS	53.000		Outlet Nozzle To Shell 158 Degrees Loop A (Reactor Building 22 Degrees).
		NC	E 8871-121-001				10.750		
Class A			CNM 2201.01-74/5		Shell				Ref. Request For Relief Serial Number 93-02 and Request For Relief Serial Number 94-05 Rev.1. Perform EVT-1 in lieu of UT per Code Case N-648-1. * Use WesDyne Procedure WDI-STD-088 Reference CNM 2201.01-0205
B03.100.007	2RPV-107-121D		CN-1041-14	*	VT-1	CS	53.000		Outlet Nozzle To Shell 202 Degrees Loop D (Reactor Building 338 Degrees).
		NC	E 8871-121-001				10.750		
Class A			CNM 2201.01-74/5		Shell				Ref. Request For Relief Serial Number 93-02 and Request For Relief Serial Number 94-05 Rev.1. Perform EVT-1 in lieu of UT per Code Case N-648-1. * Use WesDyne Procedure WDI-STD-088 Reference CNM 2201.01-0205
B03.100.008	2RPV-107-121C		CN-1041-14	*	VT-1	CS	53.000		Outlet Nozzle To Shell 338 Degrees Loop C (Reactor Building 202 Degrees).
		NC	E 8871-121-001				10.750		
Class A			CNM 2201.01-74/5		Shell				Ref. Request For Relief Serial Number 93-02 and Request For Relief Serial Number 94-05 Rev.1. Perform EVT-1 in lieu of UT per Code Case N-648-1. * Use WesDyne Procedure WDI-STD-088 Reference CNM 2201.01-0205

Total B03.100 Items: 8

CATEGORY B-D, Full Penetration Welds of Nozzels in Vessels

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Pressurizer

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Nozzle-to-Vessel welds ****									
B03.110.003	2PZR-W3		CNM 2201.01-110/1	NDE-640	UT	CS	15.000	50338	Pressurizer Safety Nozzle To Upper Head
	Circumferential	NC	CNM 2201.01-110/2	NDE-820			3.000		
Class A					PZR Safety Nozzle to Upper Head				
B03.110.004	2PZR-W4A		CNM 2201.01-110/1	NDE-640	UT	CS	15.000	50338	Pressurizer Safety Nozzle To Upper Head
	Circumferential	NC	CNM 2201.01-110/2	NDE-820			3.000		
Class A					PZR Safety Nozzle to Upper Head				
B03.110.005	2PZR-W4B		CNM 2201.01-110/1	NDE-640	UT	CS	15.000	50338	Pressurizer Safety Nozzle To Upper Head
	Circumferential	NC	CNM 2201.01-110/2	NDE-820			3.000		
Class A					PZR Safety Nozzle to Upper Head				
Total B03.110 Items:		3							

CATEGORY B-D, Full Penetration Welds of Nozzels in Vessels

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Pressurizer

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Nozzle Inside Radius Section ****									
B03.120.003	2PZR-W3		CNM 2201.01-110/1	NDE-680	UT	CS	15.000	50237D	Pressurizer Safety Nozzle To Upper Head (Inside Radius)
Class A		NC	CNM 2201.01-110/2				3.750		
					PZR Safety Nozzle to Upper Head				
B03.120.004	2PZR-W4A		CNM 2201.01-110/1	NDE-680	UT	CS	15.000		Pressurizer Safety Nozzle To Upper Head (Inside Radius)
Class A		NC	CNM 2201.01-110/2				3.750	50237D	
					PZR Safety Nozzle to Upper Head				
B03.120.005	2PZR-W4B		CNM 2201.01-110/1	NDE-680	UT	CS	15.000		Pressurizer Safety Nozzle To Upper Head (Inside Radius)
Class A		NC	CNM 2201.01-110/2				3.750	50237D	
					PZR Safety Nozzle to Upper Head				
Total B03.120 Items:		3							

CATEGORY B-D, Full Penetration Welds of Nozzels in Vessels

DUKE ENERGY CORPORATION
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Steam Generators (Primary Side)

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Nozzle Inside Radius Section ****									
B03.140.001A	2SGA-INLET		CNM 2201.01-102/2	NDE-680	UT	CS	39.000	50235	Steam Generator 2A Primary Inlet Nozzle (Inside Radius Section)
Class A		NC	CNM 2201.01-113/1				5.160		A supplemental UT examination will be performed during EOC13 and the results reported at that time. The weld coverage limitation relief request for these UT examinations that were performed and taken credit for during EOC12 will be submitted after the EOC13 UT results have been obtained.
B03.140.002A	2SGA-OUTLET		CNM 2201.01-102/2	NDE-680	UT	CS	39.000	50235	Steam Generator 2A Primary Outlet Nozzle (Inside Radius Section)
Class A		NC	CNM 2201.01-113/1				5.160		A supplemental UT examination will be performed during EOC13 and the results reported at that time. The weld coverage limitation relief request for these UT examinations that were performed and taken credit for during EOC12 will be submitted after the EOC13 UT results have been obtained.
B03.140.005	2SGC-INLET		CNM 2201.01-102/2	NDE-680	UT	CS	39.000	50235	Steam Generator 2C Primary Inlet Nozzle (Inside Radius Section)
Class A		NC	CNM 2201.01-105/1				5.160		
B03.140.006	2SGC-OUTLET		CNM 2201.01-102/2	NDE-680	UT	CS	39.000	50235	Steam Generator 2C Primary Outlet Nozzle (Inside Radius Section)
Class A		NC	CNM 2201.01-105/1				5.160		
B03.140.007A	2SGD-INLET		CNM 2201.01-102/2	NDE-680	UT	CS	39.000	50235	Steam Generator 2D Primary Inlet Nozzle (Inside Radius Section)
Class A		NC	CNM 2201.01-114/1				5.160		A supplemental UT examination will be performed during EOC13 and the results reported at that time. The weld coverage limitation relief request for these UT examinations that were performed and taken credit for during EOC12 will be submitted after the EOC13 UT results have been obtained.
B03.140.008A	2SGD-OUTLET		CNM 2201.01-102/2	NDE-680	UT	CS	39.000	50235	Steam Generator 2D Primary Outlet Nozzle (Inside Radius Section)
Class A		NC	CNM 2201.01-114/1				5.160		A supplemental UT examination will be performed during EOC13 and the results reported at that time.

**CATEGORY B-D, Full Penetration Welds of
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
									The weld coverage limitation relief request for these UT examinations that were performed and taken credit for during EOC12 will be submitted after the EOC13 UT results have been obtained.

Total B03.140 Items: 6**Total B03 Items: 36**

CATEGORY B-F, Pressure Retaining Dissimilar**Metal Welds**

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
**** NPS 4 or larger; Nozzle-to-Safe End Butt Welds ****										
B05.010.001	2RPV-201-121BSE		CN-1041-14	**	UT	SS-CS	27.500	*		RV Inlet Nozzle To Safe End 67 Degrees Loop B (Reactor Building 113 Degrees). UT From Nozzle Side. To Be Done With B05.130.004. * NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE Reference CNM 2201.01-0205
Class A	Circumferential Term end Dissimilar	NC	E 8871-171-009 CNM 2201.01-74/5		Nozzle to Safe End		2.500			
B05.010.001A	2RPV-201-121BSE		CN-1041-14	**	UT	SS-CS	27.500	*		RV Inlet Nozzle To Safe End 67 Degrees Loop B (Reactor Building 113 Degrees). UT From Safe End Side. To Be Done With B05.130.004A. * NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE Reference CNM 2201.01-0205
Class A	Circumferential Term end Dissimilar	NC	E 8871-171-009 CNM 2201.01-74/5		Nozzle to Safe End		2.500			
B05.010.002	2RPV-201-121ASE		CN-1041-14	**	UT	SS-CS	27.500	*		RV Inlet Nozzle To Safe End 113 Degrees Loop A (Reactor Building 67 Degrees). UT From Nozzle Side. To Be Done With B05.130.008. * NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE Reference CNM 2201.01-0205
Class A	Circumferential Term end Dissimilar	NC	E 8871-171-009 CNM 2201.01-74/5		Nozzle to Safe End		2.500			
B05.010.002A	2RPV-201-121ASE		CN-1041-14	**	UT	SS-CS	27.500	*		RV Inlet Nozzle To Safe End 113 Degrees Loop A (Reactor Building 67 Degrees). UT From Safe End Side. To Be Done With B05.130.008A. * NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE Reference CNM 2201.01-0205
Class A	Circumferential Term end Dissimilar	NC	E 8871-171-009 CNM 2201.01-74/5		Nozzle to Safe End		2.500			
B05.010.003	2RPV-201-121DSE		CN-1041-14	**	UT	SS-CS	27.500	*		RV Inlet Nozzle To Safe End 247 Degrees Loop D (Reactor Building 293 Degrees). UT From Nozzle Side. To Be Done With B05.130.012. * NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE Reference CNM 2201.01-0205
Class A	Circumferential Term end Dissimilar	NC	E 8871-171-009 CNM 2201.01-74/5		Nozzle to Safe End		2.500			

CATEGORY B-F, Pressure Retaining Dissimilar**Metal Welds**

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B05.010.003A	2RPV-201-121DSE		CN-1041-14	**	UT	SS-CS	27.500	*	RV Inlet Nozzle To Safe End 247 Degrees Loop D (Reactor Building 293 Degrees). UT From Safe End Side. To Be Done With B05.130.012A.
Class A	Circumferential	NC	E 8871-171-009				2.500		* NavShips Test Block S/N 045202
	Term end		CNM 2201.01-74/5		Nozzle to				** Use WesDyne Procedure PDI-ISI-254-SE
	Dissimilar				Safe End				Reference CNM 2201.01-0205
B05.010.004	2RPV-201-121CSE		CN-1041-14	**	UT	SS-CS	27.500	*	RV Inlet Nozzle To Safe End 293 Degrees Loop C (Reactor Building 247 Degrees). UT From Nozzle Side. To Be Done With B05.130.016.
Class A	Circumferential	NC	E 8871-171-009				2.500		* NavShips Test Block S/N 045202
	Term end		CNM 2201.01-74/5		Nozzle to				** Use WesDyne Procedure PDI-ISI-254-SE
	Dissimilar				Safe End				Reference CNM 2201.01-0205
B05.010.004A	2RPV-201-121CSE		CN-1041-14	**	UT	SS-CS	27.500	*	RV Inlet Nozzle To Safe End 293 Degrees Loop C (Reactor Building 247 Degrees). UT From Safe End Side. To Be Done With B05.130.016A.
Class A	Circumferential	NC	E 8871-171-009				2.500		* NavShips Test Block S/N 045202
	Term end		CNM 2201.01-74/5		Nozzle to				** Use WesDyne Procedure PDI-ISI-254-SE
	Dissimilar				Safe End				Reference CNM 2201.01-0205
B05.010.005	2RPV-202-121BSE		CN-1041-14	**	UT	SS-CS	29.000	*	RV Outlet Nozzle To Safe End 22 Degrees Loop B (Reactor Building 158 Degrees). UT From Nozzle Side. To Be Done With B05.130.001.
Class A	Circumferential	NC	E 8871-171-009				2.625		Ref. Request For Relief Serial Number 93-02.
	Term end		CNM 2201.01-74/5		Nozzle to				Ref. Request For Relief Serial Number 94-05.
	Dissimilar				Safe End				* NavShips Test Block S/N 045202
									** Use WesDyne Procedure PDI-ISI-254-SE
									Reference CNM 2201.01-0205
B05.010.005A	2RPV-202-121BSE		CN-1041-14	**	UT	SS-CS	29.000	*	RV Outlet Nozzle To Safe End 22 Degrees Loop B (Reactor Building 158 Degrees). UT From Safe End Side. To Be Done With B05.130.001A.
Class A	Circumferential	NC	E 8871-171-009				2.625		Ref. Request For Relief Serial Number 93-02.
	Term end		CNM 2201.01-74/5		Nozzle to				Ref. Request For Relief Serial Number 94-05.
	Dissimilar				Safe End				

CATEGORY B-F, Pressure Retaining Dissimilar**Metal Welds**

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
									* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE Reference CNM 2201.01-0205
B05.010.006	2RPV-202-121ASE		CN-1041-14	**	UT	SS-CS	29.000	*	RV Outlet Nozzle To Safe End 158 Degrees Loop A (Reactor Building 22 Degrees). UT From Nozzle Side. To Be Done With B05.130.005. Ref. Request For Relief Serial Number 93-02. Ref. Request For Relief Serial Number 94-05. * NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE Reference CNM 2201.01-0205
	Circumferential	NC	E 8871-171-009				2.625		
Class A	Term end		CNM 2201.01-74/5		Nozzle to				
	Dissimilar				Safe End				
B05.010.006A	2RPV-202-121ASE		CN-1041-14	**	UT	SS-CS	29.000	*	RV Outlet Nozzle To Safe End 158 Degrees Loop A (Reactor Building 22 Degrees). UT From Safe End Side. To Be Done With B05.130.005A. Ref. Request For Relief Serial Number 93-02. Ref. Request For Relief Serial Number 94-05. * NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE Reference CNM 2201.01-0205
	Circumferential	NC	E 8871-171-009				2.625		
Class A	Term end		CNM 2201.01-74/5		Nozzle to				
	Dissimilar				Safe End				
B05.010.007	2RPV-202-121DSE		CN-1041-14	**	UT	SS-CS	29.000	*	RV Outlet Nozzle To Safe End 202 Degrees Loop D (Reactor Building 338 Degrees). UT From Nozzle Side. To Be Done With B05.130.009. Ref. Request For Relief Serial Number 93-02. Ref. Request For Relief Serial Number 94-05. * NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE Reference CNM 2201.01-0205
	Circumferential	NC	E 8871-171-009				2.625		
Class A	Term end		CNM 2201.01-74/5		Nozzle to				
	Dissimilar				Safe End				

CATEGORY B-F, Pressure Retaining Dissimilar**Metal Welds**

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
B05.010.007A	2RPV-202-121DSE		CN-1041-14	**	UT	SS-CS	29.000		*	RV Outlet Nozzle To Safe End 202 Degrees Loop D (Reactor Building 338 Degrees). UT From Safe End Side. To Be Done With B05.130.009A.
	Circumferential	NC	E 8871-171-009				2.625			
Class A	Term end		CNM 2201.01-74/5		Nozzle to					
	Dissimilar				Safe End					
										Ref. Request For Relief Serial Number 93-02. Ref. Request For Relief Serial Number 94-05.
										* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE
										Reference CNM 2201.01-0205
B05.010.008	2RPV-202-121CSE		CN-1041-14	**	UT	SS-CS	29.000		*	RV Outlet Nozzle To Safe End 338 Degrees Loop C (Reactor Building 202 Degrees). UT From Nozzle Side. To Be Done With B05.130.013.
	Circumferential	NC	E 8871-171-009				2.625			
Class A	Term end		CNM 2201.01-74/5		Nozzle to					
	Dissimilar				Safe End					
										Ref. Request For Relief Serial Number 93-02. Ref. Request For Relief Serial Number 94-05.
										* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE
										Reference CNM 2201.01-0205
B05.010.008A	2RPV-202-121CSE		CN-1041-14	**	UT	SS-CS	29.000		*	RV Outlet Nozzle To Safe End 338 Degrees Loop C (Reactor Building 202 Degrees). UT From Safe End Side. To Be Done With B05.130.013A.
	Circumferential	NC	E 8871-171-009				2.625			
Class A	Term end		CNM 2201.01-74/5		Nozzle to					
	Dissimilar				Safe End					
										Ref. Request For Relief Serial Number 93-02. Ref. Request For Relief Serial Number 94-05.
										* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE
										Reference CNM 2201.01-0205

Total B05.010 Items: 16

CATEGORY B-F, Pressure Retaining Dissimilar

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Pressurizer

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**** NPS 4 or Larger; Nozzle-to-Safe End Butt Welds ****									
B05.040.003	2PZR-W3SE		CNM 2201.01-110/1	PDI-UT-10	UT	SS-CS	6.000	50250	Pressurizer Safety Nozzle Safe End
	Circumferential	NC	CNM 2201.01-110/2				0.960		Y-Z Quadrant
Class A	Term end Dissimilar				Nozzle to Safe End				
B05.040.003A	2PZR-W3SE		CNM 2201.01-110/1	NDE-35	PT	SS-CS	6.000		Pressurizer Safety Nozzle Safe End
	Circumferential	NC	CNM 2201.01-110/2				0.960		Y-Z Quadrant
Class A	Term end Dissimilar				Nozzle to Safe End				
B05.040.004	2PZR-W4ASE		CNM 2201.01-110/1	PDI-UT-10	UT	SS-CS	6.000	50250	Pressurizer Safety Nozzle Safe End
	Circumferential	NC	CNM 2201.01-110/2				0.960		X-Y Quadrant
Class A	Term end Dissimilar				Nozzle to Safe End				
B05.040.004A	2PZR-W4ASE		CNM 2201.01-110/1	NDE-35	PT	SS-CS	6.000		Pressurizer Safety Nozzle Safe End
	Circumferential	NC	CNM 2201.01-110/2				0.960		X-Y Quadrant
Class A	Term end Dissimilar				Nozzle to Safe End				
B05.040.005	2PZR-W4BSE		CNM 2201.01-110/1	PDI-UT-10	UT	SS-CS	6.000	50250	Pressurizer Safety Nozzle Safe End
	Circumferential	NC	CNM 2201.01-110/2				0.960		W-X Quadrant
Class A	Term end Dissimilar				Nozzle to Safe End				
B05.040.005A	2PZR-W4BSE		CNM 2201.01-110/1	NDE-35	PT	SS-CS	6.000		Pressurizer Safety Nozzle Safe End
	Circumferential	NC	CNM 2201.01-110/2				0.960		W-X Quadrant
Class A	Term end Dissimilar				Nozzle to Safe End				
Total B05.040 Items:		6							

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** NPS 4 or Larger; Nozzle-to-Safe End Butt Welds ****									
B05.070.001	2SGA-INLET-SE		CNM 2201.01-113/1	NDE-12	RT	SS-CS	31.000		SG2A Inlet Nozzle Safe End
	Circumferential	NC	CN-2NC-009				2.500		Centrifugal Cast Stainless Steel
Class A	Dissimilar		CNM 2201.01-0217		Nozzle to Safe End				
B05.070.002	2SGA-OUTLET-SE		CNM 2201.01-113/1	NDE-12	RT	SS-CS	31.000		SG2A Outlet Nozzle Safe End
	Circumferential	NC	CN-2NC-009				2.500		Centrifugal Cast Stainless Steel
Class A	Dissimilar		CNM 2201.01-0217		Nozzle to Safe End				
B05.070.003	2SGB-INLET-SE		CNM 2201.01-106/1	NDE-12	RT	SS-CS	31.000		SG2B Inlet Nozzle Safe End
	Circumferential	NC	CN-2NC-011				2.500		
Class A	Dissimilar		CNM 2201.01-0217		Nozzle to Safe End				
B05.070.003A	2SGB-INLET-SE		CNM 2201.01-106/1	NDE-35	PT	SS-CS	31.000		SG2B Inlet Nozzle Safe End
	Circumferential	NC	CN-2NC-011				2.500		
Class A	Dissimilar		CNM 2201.01-0217		Nozzle to Safe End				
B05.070.004	2SGB-OUTLET-SE		CNM 2201.01-106/1	NDE-12	RT	SS-CS	31.000		SG2B Outlet Nozzle Safe End
	Circumferential	NC	CN-2NC-011				2.500		
Class A	Dissimilar		CNM 2201.01-0217		Nozzle to Safe End				
B05.070.004A	2SGB-OUTLET-SE		CNM 2201.01-106/1	NDE-35	PT	SS-CS	31.000		SG2B Outlet Nozzle Safe End
	Circumferential	NC	CN-2NC-011				2.500		
Class A	Dissimilar		CNM 2201.01-0217		Nozzle to Safe End				
B05.070.005	2SGC-INLET-SE		CNM 2201.01-105/1	NDE-12	RT	SS-CS	31.000		SG2C Inlet Nozzle Safe End
	Circumferential	NC	CN-2NC-013				2.500		Centrifugal Cast Stainless Steel
Class A	Dissimilar		CNM 2201.01-0217		Nozzle to Safe End				Schedule for re-examination in EOC15, EOC17 and EOC20 in accordance with ASME Section XI, Paragraph IWB-2420(b).
B05.070.005A	2SGC-INLET-SE		CNM 2201.01-105/1	NDE-35	PT	SS-CS	31.000		SG2C Inlet Nozzle Safe End
	Circumferential	NC	CN-2NC-013				2.500		Centrifugal Cast Stainless Steel
Class A	Dissimilar		CNM 2201.01-0217		Nozzle to Safe End				

CATEGORY B-F, Pressure Retaining Dissimilar Metal Welds

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B05.070.006	2SGC-OUTLET-SE		CNM 2201.01-105/1	NDE-12	RT	SS-CS	31.000		SG2C Outlet Nozzle Safe End
	Circumferential	NC	CN-2NC-013				2.500		Centrifugal Cast Stainless Steel
Class A			CNM 2201.01-0217		Nozzle to				Safe End
	Dissimilar								
B05.070.006A	2SGC-OUTLET-SE		CNM 2201.01-105/1	NDE-35	PT	SS-CS	31.000		SG2C Outlet Nozzle Safe End. Centrifugal Cast
	Circumferential	NC	CN-2NC-013				2.500		Stainless Steel
Class A			CNM 2201.01-0217		Nozzle to				Safe End
	Dissimilar								
B05.070.007	2SGD-INLET-SE		CNM 2201.01-114/1	NDE-12	RT	SS-CS	31.000		SG2D Inlet Nozzle Safe End
	Circumferential	NC	CN-2NC-015				2.500		Centrifugal Cast Stainless Steel
Class A			CNM 2201.01-0217		Nozzle to				Safe End
	Dissimilar								
B05.070.008	2SGD-OUTLET-SE		CNM 2201.01-114/1	NDE-12	RT	SS-CS	31.000		SG2D Outlet Nozzle Safe End
	Circumferential	NC	CN-2NC-015				2.500		Centrifugal Cast Stainless Steel
Class A			CNM 2201.01-0217		Nozzle to				Safe End
	Dissimilar								
Total B05.070 Items:		12							

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** NPS 4 or Larger; Dissimilar Metal Butt Welds ****									
B05.130.001	2NC11-01		CN-2NC-011	**	UT	SS-CS	29.000	*	Outlet Nozzle 22 Degrees Loop B (Reactor Building 158 Degrees). UT from Safe End Side. To be done with B05.010.005.
	Circumferential	NC	CN-2553-1.0				2.625		
Class A					Safe End to Pipe				
	Dissimilar								
									Ref. Request For Relief Serial Number 93-02. Ref. Request For Relief Serial Number 94-05.
									* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE
									Reference CNM 2201.01-0205
B05.130.001A	2NC11-01		CN-2NC-011	**	UT	SS-CS	29.000	*	Outlet Nozzle 22 Degrees Loop B (Reactor Building 158 Degrees). UT from Pipe Side. To be done with B05.010.005A.
	Circumferential	NC	CN-2553-1.0				2.625		
Class A					Safe End to Pipe				
	Dissimilar								
									Ref. Request For Relief Serial Number 93-02. Ref. Request For Relief Serial Number 94-05. Centrifugal Cast Stainless Steel
									* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE
									Reference CNM 2201.01-0205
B05.130.002	2NC9-02		CN-2NC-009	NDE-12	RT	SS-CS	31.000		To be done with B05.070.001. Centrifugal Cast Stainless Steel
	Circumferential	NC	CN-2553-1.0				2.500		
Class A	Term end		CNM 2201.01-0217		Safe End to Pipe				
	Dissimilar								
B05.130.003	2NC9-03		CN-2NC-009	NDE-12	RT	SS-CS	31.000		To be done with B05.070.002. Centrifugal Cast Stainless Steel
	Circumferential	NC	CN-2553-1.0				2.500		
Class A	Term end		CNM 2201.01-0217		Safe End to Pipe				
	Dissimilar								
B05.130.004	2NC11-08		CN-2NC-011	**	UT	SS-CS	27.500	*	Inlet Nozzle 67 Degrees Loop B (Reactor Building 113 Degrees). UT from Safe End Side. To be done with B05.010.001.
	Circumferential	NC	CN-2553-1.0				2.500		
Class A					Safe End to Pipe				
	Dissimilar								* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE

CATEGORY B-F, Pressure Retaining Dissimilar**Metal Welds**

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
									Reference CNM 2201.01-0205
B05.130.004A	2NC11-08		CN-2NC-011	**	UT	SS-CS	27.500	*	Inlet Nozzle 67 Degrees Loop B (Reactor Building 113 Degrees). UT from Pipe Side. To be done with B05.010.001A.
	Circumferential	NC	CN-2553-1.0				2.500		
Class A					Safe End to Pipe				
	Dissimilar								* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE
									Reference CNM 2201.01-0205
B05.130.005	2NC9-01		CN-2NC-009	**	UT	SS-CS	29.000	*	Outlet Nozzle 158 Degrees Loop A (Reactor Building 22 Degrees). UT from Safe End Side. To be done with B05.010.006.
	Circumferential	NC	CN-2553-1.0				2.625		
Class A					Safe End to Pipe				
	Dissimilar								Ref. Request For Relief Serial Number 93-02. Ref. Request For Relief Serial Number 94-05.
									* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE
									Reference CNM 2201.01-0205
B05.130.005A	2NC9-01		CN-2NC-009	**	UT	SS-CS	29.000	*	Outlet Nozzle 158 Degrees Loop A (Reactor Building 22 Degrees). UT from Pipe Side. To be done with B05.010.006A.
	Circumferential	NC	CN-2553-1.0				2.625		
Class A					Safe End to Pipe				
	Dissimilar								Ref. Request For Relief Serial Number 93-02. Ref. Request For Relief Serial Number 94-05. Centrifugal Cast Stainless Steel
									* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE
									Reference CNM 2201.01-0205
B05.130.006	2NC11-02		CN-2NC-011	NDE-12	RT	SS-CS	31.000		To be done with B05.070.003
	Circumferential	NC	CN-2553-1.0				2.500		
Class A					Safe End to Pipe				
	Term end		CNM 2201.01-0217						
	Dissimilar								

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B05.130.006A	2NC11-02		CN-2NC-011	NDE-35	PT	SS-CS	31.000		To be done with B05.070.003A
	Circumferential	NC	CN-2553-1.0				2.500		
Class A	Term end		CNM 2201.01-0217		Safe End to				
	Dissimilar				Pipe				
B05.130.007	2NC11-03		CN-2NC-011	NDE-12	RT	SS-CS	31.000		To be done with B05.070.004
	Circumferential	NC	CN-2553-1.0				2.500		
Class A	Term end		CNM 2201.01-0217		Safe End to				
	Dissimilar				Pipe				
B05.130.007A	2NC11-03		CN-2NC-011	NDE-35	PT	SS-CS	31.000		To be done with B05.070.004A
	Circumferential	NC	CN-2553-1.0				2.500		
Class A	Term end		CNM 2201.01-0217		Safe End to				
	Dissimilar				Pipe				
B05.130.008	2NC9-08		CN-2NC-009	**	UT	SS-CS	27.500	*	Inlet Nozzle 113 Degrees Loop A (Reactor Building
	Circumferential	NC	CN-2553-1.0				2.500		67 Degrees). UT from Safe End Side. To be done
Class A					Safe End to				with B05.010.002.
	Dissimilar				Pipe				
									* NavShips Test Block S/N 045202
									** Use WesDyne Procedure PDI-ISI-254-SE
									Reference CNM 2201.01-0205
B05.130.008A	2NC9-08		CN-2NC-009	**	UT	SS-CS	27.500	*	Inlet Nozzle 113 Degrees Loop A (Reactor Building
	Circumferential	NC	CN-2553-1.0				2.500		67 Degrees). UT from Pipe Side. To be done with
Class A					Safe End to				B05.010.002A.
	Dissimilar				Pipe				Centrifugal Cast Stainless Steel
									* NavShips Test Block S/N 045202
									** Use WesDyne Procedure PDI-ISI-254-SE
									Reference CNM 2201.01-0205
B05.130.009	2NC15-01		CN-2NC-015	**	UT	SS-CS	29.000	*	Outlet Nozzle 202 Degrees Loop D (Reactor
	Circumferential	NC	CN-2553-1.0				2.625		Building 338 Degrees). UT from Safe End Side. To
Class A					Safe End to				be done with B05.010.007.
	Dissimilar				Pipe				
									Ref. Request For Relief Serial Number 93-02.
									Ref. Request For Relief Serial Number 94-05.
									* NavShips Test Block S/N 045202
									** Use WesDyne Procedure PDI-ISI-254-SE

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Reference CNM 2201.01-0205

B05.130.009A	2NC15-01 Circumferential Class A Dissimilar		CN-2NC-015 NC CN-2553-1.0	**	UT	SS-CS	29.000 2.625	*	Outlet Nozzle 202 Degrees Loop D (Reactor Building 338 Degrees). UT from Pipe Side. To be done with B05.010.007A Ref. Request For Relief Serial Number 93-02. Ref. Request For Relief Serial Number 94-05. Centrifugal Cast Stainless Steel * NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE
									Reference CNM 2201.01-0205
B05.130.010	2NC13-02 Circumferential Class A Term end Dissimilar		CN-2NC-013 NC CN-2553-1.0 CNM 2201.01-0217	NDE-12	RT	SS-CS	31.000 2.500		To be done with B05.070.005 Centrifugal Cast Stainless Steel Schedule for re-examination in EOC15, EOC17 and EOC20 in accordance with ASME Section XI, Paragraph IWB-2420(b).
B05.130.010A	2NC13-02 Circumferential Class A Term end Dissimilar		CN-2NC-013 NC CN-2553-1.0 CNM 2201.01-0217	NDE-35	PT	SS-CS	31.000 2.500		To be done with B05.070.005A
B05.130.011	2NC13-03 Circumferential Class A Term end Dissimilar		CN-2NC-013 NC CN-2553-1.0 CNM 2201.01-0217	NDE-12	RT	SS-CS	31.000 2.500		To be done with B05.070.006 Centrifugal Cast Stainless Steel
B05.130.011A	2NC13-03 Circumferential Class A Term end Dissimilar		CN-2NC-013 NC CN-2553-1.0 CNM 2201.01-0217	NDE-35	PT	SS-CS	31.000 2.500		To be done with B05.070.006A

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Piping**Catawba 2****Inservice Inspection Plan for Interval 2 Outage 6**

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B05.130.012	2NC15-08		CN-2NC-015	**	UT	SS-CS	27.500	*	Inlet Nozzle 247 Degrees Loop D (Reactor Building 293 Degrees). UT from Safe End Side. To be done with B05.010.003.
	Circumferential	NC	CN-2553-1.0				2.500		
Class A					Safe End to Pipe				
	Dissimilar								* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE Reference CNM 2201.01-0205
B05.130.012A	2NC15-08		CN-2NC-015	**	UT	SS-CS	27.500	*	Inlet Nozzle 247 Degrees Loop D (Reactor Building 293 Degrees). UT from Pipe Side. To be done with B05.010.003A.
	Circumferential	NC	CN-2553-1.0				2.500		Centrifugal Cast Stainless Steel
Class A					Safe End to Pipe				
	Dissimilar								* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE Reference CNM 2201.01-0205
B05.130.013	2NC13-01		CN-2NC-013	**	UT	SS-CS	29.000	*	Outlet Nozzle 338 Degrees Loop C (Reactor Building 202 Degrees). UT from Safe End Side. To be done with B05.010.008.
	Circumferential	NC	CN-2553-1.0				2.625		
Class A					Safe End to Pipe				
	Dissimilar								Ref. Request For Relief Serial Number 93-02. Ref. Request For Relief Serial Number 94-05. * NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE Reference CNM 2201.01-0205
B05.130.013A	2NC13-01		CN-2NC-013	**	UT	SS-CS	29.000	*	Outlet Nozzle 338 Degrees Loop C (Reactor Building 202 Degrees). UT from Pipe Side. To be done with B05.010.008A.
	Circumferential	NC	CN-2553-1.0				2.625		
Class A					Safe End to Pipe				
	Dissimilar								Ref. Request For Relief Serial Number 93-02. Ref. Request For Relief Serial Number 94-05. Centrifugal Cast Stainless Steel * NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE

CATEGORY B-F, Pressure Retaining Dissimilar

Metal Welds

Piping

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
Reference CNM 2201.01-0205									
B05.130.014	2NC15-02		CN-2NC-015	NDE-12	RT	SS-CS	31.000		To be done with B05.070.007.
Class A	Circumferential	NC	CN-2553-1.0				2.500		Centrifugal Cast Stainless Steel
	Term end				Safe End to				
	Dissimilar		CNM 2201.01-0217		Pipe				
B05.130.015	2NC15-03		CN-2NC-015	NDE-12	RT	SS-CS	31.000		To be done with B05.070.008.
Class A	Circumferential	NC	CN-2553-1.0				2.500		
	Term end				Safe End to				
	Dissimilar		CNM 2201.01-0217		Pipe				
B05.130.016	2NC13-08		CN-2NC-013	**	UT	SS-CS	27.500	*	Inlet Nozzle 293 Degrees Loop C (Reactor Building
Class A	Circumferential	NC	CN-2553-1.0				2.500		247 Degrees). UT from Safe End Side. To be done
					Safe End to				with B05.010.004.
	Dissimilar				Pipe				
* NavShips Test Block S/N 045202									
** Use WesDyne Procedure PDI-ISI-254-SE									
Reference CNM 2201.01-0205									
B05.130.016A	2NC13-08		CN-2NC-013	**	UT	SS-CS	27.500	*	Inlet Nozzle 293 Degrees Loop C (Reactor Building
Class A	Circumferential	NC	CN-2553-1.0				2.500		247 Degrees). UT from Pipe Side. To be done with
					Safe End to				B05.010.004A.
	Dissimilar				Pipe				Centrifugal Cast Stainless Steel
* NavShips Test Block S/N 045202									
** Use WesDyne Procedure PDI-ISI-254-SE									
Reference CNM 2201.01-0205									
Total B05.130 Items:		28							
Total B05 Items:		62							

**CATEGORY B-G-1, Pressure Retaining Bolting,
Greater than 2" In Diameter**

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
**** Closure Head Nuts ****										
B06.010.037	2RPV-179-102-37	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857			RPV Closure Head Nut 2RPV-NUT-37
Class A										
B06.010.038	2RPV-179-102-38	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857			RPV Closure Head Nut 2RPV-NUT-38
Class A										
B06.010.039	2RPV-179-102-39	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857			RPV Closure Head Nut 2RPV-NUT-39
Class A										
B06.010.040	2RPV-179-102-40	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857			RPV Closure Head Nut 2RPV-NUT-40
Class A										
B06.010.041	2RPV-179-102-41	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857			RPV Closure Head Nut 2RPV-NUT-41
Class A										
B06.010.042	2RPV-179-102-42	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857			RPV Closure Head Nut 2RPV-NUT-42
Class A										
B06.010.043	2RPV-179-102-43	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857			RPV Closure Head Nut 2RPV-NUT-43
Class A										
B06.010.044	2RPV-179-102-44A	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857			RPV Closure Head Nut 2RPV-NUT-44A
Class A										

**CATEGORY B-G-1, Pressure Retaining Bolting,
Greater than 2" In Diameter**

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.045	2RPV-179-102-45	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857		RPV Closure Head Nut 2RPV-NUT-45
Class A									
B06.010.046	2RPV-179-102-46	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857		RPV Closure Head Nut 2RPV-NUT-46
Class A									
B06.010.047	2RPV-179-102-47	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857		RPV Closure Head Nut 2RPV-NUT-47
Class A									
B06.010.048	2RPV-179-102-48	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857		RPV Closure Head Nut 2RPV-NUT-48
Class A									
B06.010.049	2RPV-179-102-49	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857		RPV Closure Head Nut 2RPV-NUT-49
Class A									
B06.010.050	2RPV-179-102-50	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857		RPV Closure Head Nut 2RPV-NUT-50
Class A									
B06.010.051	2RPV-179-102-51	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857		RPV Closure Head Nut 2RPV-NUT-51
Class A									
B06.010.052	2RPV-179-102-52	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857		RPV Closure Head Nut 2RPV-NUT-52
Class A									
B06.010.053	2RPV-179-102-53	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	10.580 1.857		RPV Closure Head Nut 2RPV-NUT-53
Class A									

**CATEGORY B-G-1, Pressure Retaining Bolting,
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
B06.010.054	2RPV-179-102-54		E 8871-179-001	NDE-25	MT	CS	10.580			RPV Closure Head Nut 2RPV-NUT-54
		NC	CNM 2201.01-67				1.857			

Class A

Total B06.010 Items: 18

CATEGORY B-G-1, Pressure Retaining Bolting,
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL	BLOCKS	COMMENTS
**** Closure Studs, when removed ****										
B06.030.037	2RPV-179-101-37		E 8871-179-001 NC CNM 2201.01-67	PDI-UT-5	UT	CS	7.000 57.688	50501	RPV Closure Stud	2RPV-STUD-37
Class A										
B06.030.037A	2RPV-179-101-37		E 8871-179-001 NC CNM 2201.01-67	NDE-25	MT	CS	7.000 57.688		RPV Closure Stud	2RPV-STUD-37
Class A										
B06.030.038	2RPV-179-101-38		E 8871-179-001 NC CNM 2201.01-67	PDI-UT-5	UT	CS	7.000 57.688	50501	RPV Closure Stud	2RPV-STUD-38
Class A										
B06.030.038A	2RPV-179-101-38		E 8871-179-001 NC CNM 2201.01-67	NDE-25	MT	CS	7.000 57.688		RPV Closure Stud	2RPV-STUD-38
Class A										
B06.030.039	2RPV-179-101-39		E 8871-179-001 NC CNM 2201.01-67	PDI-UT-5	UT	CS	7.000 57.688	50501	RPV Closure Stud	2RPV-STUD-39
Class A										
B06.030.039A	2RPV-179-101-39		E 8871-179-001 NC CNM 2201.01-67	NDE-25	MT	CS	7.000 57.688		RPV Closure Stud	2RPV-STUD-39
Class A										
B06.030.040	2RPV-179-101-40		E 8871-179-001 NC CNM 2201.01-67	PDI-UT-5	UT	CS	7.000 57.688	50501	RPV Closure Stud	2RPV-STUD-40
Class A										
B06.030.040A	2RPV-179-101-40		E 8871-179-001 NC CNM 2201.01-67	NDE-25	MT	CS	7.000 57.688		RPV Closure Stud	2RPV-STUD-40
Class A										

**CATEGORY B-G-1, Pressure Retaining Bolting,
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
B06.030.041	2RPV-179-101-41		E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud	2RPV-STUD-41
Class A		NC	CNM 2201.01-67				57.688			
B06.030.041A	2RPV-179-101-41		E 8871-179-001	NDE-25	MT	CS	7.000		RPV Closure Stud	2RPV-STUD-41
Class A		NC	CNM 2201.01-67				57.688			
B06.030.042	2RPV-179-101-42		E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud	2RPV-STUD-42
Class A		NC	CNM 2201.01-67				57.688			
B06.030.042A	2RPV-179-101-42		E 8871-179-001	NDE-25	MT	CS	7.000		RPV Closure Stud	2RPV-STUD-42
Class A		NC	CNM 2201.01-67				57.688			
B06.030.043	2RPV-179-101-43		E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud	2RPV-STUD-43
Class A		NC	CNM 2201.01-67				57.688			
B06.030.043A	2RPV-179-101-43		E 8871-179-001	NDE-25	MT	CS	7.000		RPV Closure Stud	2RPV-STUD-43
Class A		NC	CNM 2201.01-67				57.688			
B06.030.044	2RPV-179-101-44A		E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud	2RPV-STUD-44A
Class A		NC	CNM 2201.01-67				57.688			
B06.030.044A	2RPV-179-101-44A		E 8871-179-001	NDE-25	MT	CS	7.000		RPV Closure Stud	2RPV-STUD-44A
Class A		NC	CNM 2201.01-67				57.688			
B06.030.045	2RPV-179-101-45		E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud	2RPV-STUD-45
Class A		NC	CNM 2201.01-67				57.688			

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
B06.030.045A	2RPV-179-101-45	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	7.000 57.688			RPV Closure Stud 2RPV-STUD-45
Class A										
B06.030.046	2RPV-179-101-46	NC	E 8871-179-001 CNM 2201.01-67	PDI-UT-5	UT	CS	7.000 57.688	50501		RPV Closure Stud 2RPV-STUD-46
Class A										
B06.030.046A	2RPV-179-101-46	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	7.000 57.688			RPV Closure Stud 2RPV-STUD-46
Class A										
B06.030.047	2RPV-179-101-47	NC	E 8871-179-001 CNM 2201.01-67	PDI-UT-5	UT	CS	7.000 57.688	50501		RPV Closure Stud 2RPV-STUD-47
Class A										
B06.030.047A	2RPV-179-101-47	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	7.000 57.688			RPV Closure Stud 2RPV-STUD-47
Class A										
B06.030.048	2RPV-179-101-48	NC	E 8871-179-001 CNM 2201.01-67	PDI-UT-5	UT	CS	7.000 57.688	50501		RPV Closure Stud 2RPV-STUD-48
Class A										
B06.030.048A	2RPV-179-101-48	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	7.000 57.688			RPV Closure Stud 2RPV-STUD-48
Class A										
B06.030.049	2RPV-179-101-49	NC	E 8871-179-001 CNM 2201.01-67	PDI-UT-5	UT	CS	7.000 57.688	50501		RPV Closure Stud 2RPV-STUD-49
Class A										
B06.030.049A	2RPV-179-101-49	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	7.000 57.688			RPV Closure Stud 2RPV-STUD-49
Class A										

**CATEGORY B-G-1, Pressure Retaining Bolting,
Greater than 2" In Diameter**

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
B06.030.050	2RPV-179-101-50	NC	E 8871-179-001 CNM 2201.01-67	PDI-UT-5	UT	CS	7.000 57.688	50501		RPV Closure Stud 2RPV-STUD-50
Class A										
B06.030.050A	2RPV-179-101-50	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	7.000 57.688			RPV Closure Stud 2RPV-STUD-50
Class A										
B06.030.051	2RPV-179-101-51	NC	E 8871-179-001 CNM 2201.01-67	PDI-UT-5	UT	CS	7.000 57.688	50501		RPV Closure Stud 2RPV-STUD-51
Class A										
B06.030.051A	2RPV-179-101-51	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	7.000 57.688			RPV Closure Stud 2RPV-STUD-51
Class A										
B06.030.052	2RPV-179-101-52	NC	E 8871-179-001 CNM 2201.01-67	PDI-UT-5	UT	CS	7.000 57.688	50501		RPV Closure Stud 2RPV-STUD-52
Class A										
B06.030.052A	2RPV-179-101-52	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	7.000 57.688			RPV Closure Stud 2RPV-STUD-52
Class A										
B06.030.053	2RPV-179-101-53	NC	E 8871-179-001 CNM 2201.01-67	PDI-UT-5	UT	CS	7.000 57.688	50501		RPV Closure Stud 2RPV-STUD-53
Class A										
B06.030.053A	2RPV-179-101-53	NC	E 8871-179-001 CNM 2201.01-67	NDE-25	MT	CS	7.000 57.688			RPV Closure Stud 2RPV-STUD-53
Class A										
B06.030.054	2RPV-179-101-54	NC	E 8871-179-001 CNM 2201.01-67	PDI-UT-5	UT	CS	7.000 57.688	50501		RPV Closure Stud 2RPV-STUD-54
Class A										

**CATEGORY B-G-1, Pressure Retaining Bolting,
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
B06.030.054A	2RPV-179-101-54		E 8871-179-001	NDE-25	MT	CS	7.000			RPV Closure Stud 2RPV-STUD-54
		NC	CNM 2201.01-67				57.688			

Class A

Total B06.030 Items: 36

**CATEGORY B-G-1, Pressure Retaining Bolting,
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Threads In Flange ****									
B06.040.037	2RPV-THREAD-37	NC	E 8871-126-002 CNM 2201.01-52	NDE-640	UT	CS	7.000 12.000	50235	Threads in RPV Flange
Class A									
B06.040.038	2RPV-THREAD-38	NC	E 8871-126-002 CNM 2201.01-52	NDE-640	UT	CS	7.000 12.000	50235	Threads in RPV Flange
Class A									
B06.040.039	2RPV-THREAD-39	NC	E 8871-126-002 CNM 2201.01-52	NDE-640	UT	CS	7.000 12.000	50235	Threads in RPV Flange
Class A									
B06.040.040	2RPV-THREAD-40	NC	E 8871-126-002 CNM 2201.01-52	NDE-640	UT	CS	7.000 12.000	50235	Threads in RPV Flange
Class A									
B06.040.041	2RPV-THREAD-41	NC	E 8871-126-002 CNM 2201.01-52	NDE-640	UT	CS	7.000 12.000	50235	Threads in RPV Flange
Class A									
B06.040.042	2RPV-THREAD-42	NC	E 8871-126-002 CNM 2201.01-52	NDE-640	UT	CS	7.000 12.000	50235	Threads in RPV Flange
Class A									
B06.040.043	2RPV-THREAD-43	NC	E 8871-126-002 CNM 2201.01-52	NDE-640	UT	CS	7.000 12.000	50235	Threads in RPV Flange
Class A									
B06.040.044	2RPV-THREAD-44	NC	E 8871-126-002 CNM 2201.01-52	NDE-640	UT	CS	7.000 12.000	50235	Threads in RPV Flange
Class A									

CATEGORY B-G-1, Pressure Retaining Bolting,
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.040.045	2RPV-THREAD-45		E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange
Class A		NC	CNM 2201.01-52				12.000		
B06.040.046	2RPV-THREAD-46		E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange
Class A		NC	CNM 2201.01-52				12.000		
B06.040.047	2RPV-THREAD-47		E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange
Class A		NC	CNM 2201.01-52				12.000		
B06.040.048	2RPV-THREAD-48		E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange
Class A		NC	CNM 2201.01-52				12.000		
B06.040.049	2RPV-THREAD-49		E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange
Class A		NC	CNM 2201.01-52				12.000		
B06.040.050	2RPV-THREAD-50		E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange
Class A		NC	CNM 2201.01-52				12.000		
B06.040.051	2RPV-THREAD-51		E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange
Class A		NC	CNM 2201.01-52				12.000		
B06.040.052	2RPV-THREAD-52		E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange
Class A		NC	CNM 2201.01-52				12.000		
B06.040.053	2RPV-THREAD-53		E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange
Class A		NC	CNM 2201.01-52				12.000		

**CATEGORY B-G-1, Pressure Retaining Bolting,
Greater than 2" In Diameter**DUKE ENERGY CORPORATION
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
B06.040.054	2RPV-THREAD-54		E 8871-126-002	NDE-640	UT	CS	7.000	50235		Threads in RPV Flange
		NC	CNM 2201.01-52				12.000			

Class A

Total B06.040 Items: 18

CATEGORY B-G-1, Pressure Retaining Bolting,
Greater than 2" In Diameter

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Closure Washers, Bushings ****									
B06.050.037	2RPV-179-103-37	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-37
Class A									
B06.050.038	2RPV-179-103-38	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-38
Class A									
B06.050.039	2RPV-179-103-39	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-39
Class A									
B06.050.040	2RPV-179-103-40	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-40
Class A									
B06.050.041	2RPV-179-103-41	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-41
Class A									
B06.050.042	2RPV-179-103-42	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-42
Class A									
B06.050.043	2RPV-179-103-43	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-43
Class A									
B06.050.044	2RPV-179-103-44	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-44
Class A									

**CATEGORY B-G-1, Pressure Retaining Bolting,
Greater than 2" In Diameter**

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.050.045	2RPV-179-103-45	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-45
Class A									
B06.050.046	2RPV-179-103-46	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-46
Class A									
B06.050.047	2RPV-179-103-47	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-47
Class A									
B06.050.048	2RPV-179-103-48	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-48
Class A									
B06.050.049	2RPV-179-103-49	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-49
Class A									
B06.050.050	2RPV-179-103-50	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-50
Class A									
B06.050.051	2RPV-179-103-51	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-51
Class A									
B06.050.052	2RPV-179-103-52	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-52
Class A									
B06.050.053	2RPV-179-103-53	NC	E 8871-179-001 CNM 2201.01-67	QAL-13	VT-1	CS	10.560 1.719		RPV Closure Head Washer 2RPV-Washer-53
Class A									

**CATEGORY B-G-1, Pressure Retaining Bolting,
Greater than 2" In Diameter**DUKE ENERGY CORPORATION
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.050.054	2RPV-179-103-54		E 8871-179-001	QAL-13	VT-1	CS	10.560		RPV Closure Head Washer 2RPV-Washer-54
		NC	CNM 2201.01-67				1.719		

Class A

Total B06.050 Items: 18

**CATEGORY B-G-1, Pressure Retaining Bolting,
Greater than 2" In Diameter**DUKE ENERGY CORPORATION
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts and Studs ****									
B06.180.003	2RCP-2C-F		CN-2NC-013	PDI-UT-5	UT	CS	4.320	50502	24 Bolts Main Flange
		NC	CNM 2201.01-115				24.000		

Class A

Total B06.180 Items: 1**Total B06 Items: 91**

**CATEGORY B-G-2, Pressure Retaining Bolting,
2" And Less In Diameter**

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Pressurizer

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
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**** Bolts, Studs, and Nuts ****

B07.020.001	2PZR-MWB		QAL-13	VT-1	CS	1.880	Pressurizer Manway Bolting 16 Bolts
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CNM 2201.01-110/1

CNM 2201.01-110/2

Class A

Total B07.020 Items: 1

**CATEGORY B-G-2, Pressure Retaining Bolting,
2" And Less In Diameter**

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Steam Generators

Catawba 2

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****									
B07.030.007	2SGD-MW-W-X		CNM 2201.01-59/1 CNM 2201.01-114/1	QAL-13	VT-1	CS	1.880 0.000		SG2D Manway Bolting 16 Studs and Nuts Primary Manway in W-X Quadrant (Inlet Side)
Class A									
B07.030.008	2SGD-MW-Z-W		CNM 2201.01-59/1 CNM 2201.01-114/1	QAL-13	VT-1	CS	1.880 0.000		SG2D Manway Bolting 16 Studs and Nuts Primary Manway in Z-W Quadrant (Outlet Side)
Class A									
Total B07.030 Items:		2							

**CATEGORY B-G-2, Pressure Retaining Bolting,
2" And Less In Diameter****DUKE ENERGY CORPORATION
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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**** Bolts, Studs, and Nuts ****

B07.050.001	2NC112-MJ1		CN-2NC-112	QAL-13	VT-1	CS	2.000		Flange Bolting 8 Studs, 16 Nuts
		NC	CN-2553-1.1				14.000		

Class A

B07.050.002	2NC119-MJ1		CN-2NC-119	QAL-13	VT-1	CS	2.000		Flange Bolting 8 Studs, 16 Nuts
		NC	CN-2553-1.1				14.000		

Class A

B07.050.003	2NC163-MJ1		CN-2NC-163	QAL-13	VT-1	CS	2.000		Flange Bolting 8 Studs, 16 Nuts
		NC	CN-2553-1.1				14.000		

Class A

Total B07.050 Items: 3

**CATEGORY B-G-2, Pressure Retaining Bolting,
2" And Less In Diameter****DUKE ENERGY CORPORATION
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
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****** Bolts, Studs, and Nuts ******

B07.070.001	2NC-1		CN-2NC-112	QAL-13	VT-1	CS	1.000		6" Valve 12 Studs, 12 Nuts
		NC	CNM-1205.09-01				0.000		

Class A

B07.070.023	2NI-125		CN-2NI-94	QAL-13	VT-1	SS	1.250		8" Valve 16 Studs, 16 Nuts
		NI	CNM-1205.00-59				7.750		

Class A

B07.070.024	2NI-126		CN-2NI-379	QAL-13	VT-1	SS	1.250		6" Valve 16 Studs, 16 Nuts
		NI	CNM-1205.00-63				7.750		

Class A

Total B07.070 Items: 3**Total B07 Items: 9**

CATEGORY B-H, Integral Attachments for Vessels

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Pressurizer

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Integrally Welded Attachments ****									
B08.020.004	2PZR-W10C			NDE-25	MT	CS	4.000		Pressurizer Seismic Lug To Shell W-X Quadrant
			CNM 2201.01-110/1				4.000		
Class A			CNM 2201.01-110/2						
B08.020.005	2PZR-W10D			NDE-25	MT	CS	4.000		Pressurizer Seismic Lug To Shell W-Z Quadrant
			CNM 2201.01-110/1				4.000		
Class A			CNM 2201.01-110/2						
Total B08.020 Items:		2							
Total B08 Items:		2							

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

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

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****									
B09.011.001	2NC112-2		CN-2NC-112	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class A	Circumferential	NC	CN-2553-1.1		Pipe to 90 Degree Elbow	160	0.719	50211	
B09.011.001A	2NC112-2		CN-2NC-112	NDE-35	PT	SS	6.000		
Class A	Circumferential	NC	CN-2553-1.1		Pipe to 90 Degree Elbow	160	0.719		
B09.011.002	2NC112-5		CN-2NC-112	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class A	Circumferential	NC	CN-2553-1.1		45 Degree Elbow to PZR Nozzle SE	160	0.719	50211	
B09.011.002A	2NC112-5		CN-2NC-112	NDE-35	PT	SS	6.000		
Class A	Circumferential	NC	CN-2553-1.1		45 Degree Elbow to PZR Nozzle SE	160	0.719		
B09.011.005	2NC119-1		CN-2NC-119	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class A	Circumferential	NC	CN-2553-1.1		45 Degree Elbow to PZR Nozzle SE	160	0.719	50211	
B09.011.005A	2NC119-1		CN-2NC-119	NDE-35	PT	SS	6.000		
Class A	Circumferential	NC	CN-2553-1.1		45 Degree Elbow to PZR Nozzle SE	160	0.719		
B09.011.009	2NC44-15		CN-2NC-44	NDE-600	UT	SS	4.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiner's qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600.
Class A	Circumferential	NC	CN-2553-1.1		Pipe to 45 Degree Elbow	160	0.531	50275	
B09.011.009A	2NC44-15		CN-2NC-44	NDE-35	PT	SS	4.000		
Class A	Circumferential	NC	CN-2553-1.1		Pipe to 45 Degree Elbow	160	0.531		

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

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

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B09.011.010	2NC163-1		CN-2NC-163	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
	Circumferential	NC	CN-2553-1.1			160	0.719	50211	
Class A					45 Degree Elbow to PZR Nozzle SE				
B09.011.010A	2NC163-1		CN-2NC-163	NDE-35	PT	SS	6.000		
	Circumferential	NC	CN-2553-1.1			160	0.719		
Class A					45 Degree Elbow to PZR Nozzle SE				
B09.011.011	2NC163-3		CN-2NC-163	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
	Circumferential	NC	CN-2553-1.1			160	0.719	50211	
Class A					90 Degree Elbow to Pipe				
B09.011.011A	2NC163-3		CN-2NC-163	NDE-35	PT	SS	6.000		
	Circumferential	NC	CN-2553-1.1			160	0.719		
Class A					90 Degree Elbow to Pipe				
B09.011.012	2NC163-4		CN-2NC-163	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
	Circumferential	NC	CN-2553-1.1			160	0.719	50211	
Class A					Pipe to 90 Degree Elbow				
B09.011.012A	2NC163-4		CN-2NC-163	NDE-35	PT	SS	6.000		
	Circumferential	NC	CN-2553-1.1			160	0.719		
Class A					Pipe to 90 Degree Elbow				
B09.011.013	2NC163-6		CN-2NC-163	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
	Circumferential	NC	CN-2553-1.1			160	0.719	50211	
Class A					Pipe to Flange (WN)				
B09.011.013A	2NC163-6		CN-2NC-163	NDE-35	PT	SS	6.000		
	Circumferential	NC	CN-2553-1.1			160	0.719		
Class A					Pipe to Flange (WN)				

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

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

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B09.011.049	2NC44-16		CN-2NC-44	NDE-600	UT	SS	4.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class A	Circumferential	NC	CN-2553-1.1		45 Degree Elbow to Pipe	160	0.531	50307	
B09.011.049A	2NC44-16		CN-2NC-44	NDE-35	PT	SS	4.000		
Class A	Circumferential	NC	CN-2553-1.1		45 Degree Elbow to Pipe	160	0.531		
B09.011.050	2ND66-12		CN-2ND-66	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class A	Circumferential	ND	CN-2561-1.1		Pipe to 90 Degree Elbow	140	1.125	50219	
B09.011.050A	2ND66-12		CN-2ND-66	NDE-35	PT	SS	12.000		
Class A	Circumferential	ND	CN-2561-1.1		Pipe to 90 Degree Elbow	140	1.125		
B09.011.051	2ND66-4		CN-2ND-66	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class A	Circumferential	ND	CN-2561-1.1		Pipe to 90 Degree Elbow	140	1.125	50219	
B09.011.051A	2ND66-4		CN-2ND-66	NDE-35	PT	SS	12.000		
Class A	Circumferential	ND	CN-2561-1.1		Pipe to 90 Degree Elbow	140	1.125		
B09.011.052	2ND66-5		CN-2ND-66	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class A	Circumferential	ND	CN-2561-1.1		90 Degree Elbow to Pipe	140	1.125	50219	
B09.011.052A	2ND66-5		CN-2ND-66	NDE-35	PT	SS	12.000		
Class A	Circumferential	ND	CN-2561-1.1		90 Degree Elbow to Pipe	140	1.125		

CATEGORY B-J, Pressure Retaining Welds In Piping

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

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NPS 4 or Larger

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B09.011.053	2ND66-7		CN-2ND-66	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
	Circumferential	ND	CN-2561-1.1			140	1.125	50219	
Class A					90 Degree Elbow to Pipe				
B09.011.053A	2ND66-7		CN-2ND-66	NDE-35	PT	SS	12.000		
	Circumferential	ND	CN-2561-1.1			140	1.125		
Class A					90 Degree Elbow to Pipe				
B09.011.064	2NI185-18		CN-2NI-185	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
	Circumferential	NI	CN-2562-1.1			160	0.719	50211	
Class A					Pipe to 90 Degree Elbow				
B09.011.064A	2NI185-18		CN-2NI-185	NDE-35	PT	SS	6.000		
	Circumferential	NI	CN-2562-1.1			160	0.719		
Class A					Pipe to 90 Degree Elbow				
B09.011.065	2NI185-20		CN-2NI-185	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
	Circumferential	NI	CN-2562-1.1			160	0.719	50211	
Class A					Pipe to 90 Degree Elbow				
B09.011.065A	2NI185-20		CN-2NI-185	NDE-35	PT	SS	6.000		
	Circumferential	NI	CN-2562-1.1			160	0.719		
Class A					Pipe to 90 Degree Elbow				
B09.011.066	2NI185-22		CN-2NI-185	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
	Circumferential	NI	CN-2562-1.1			160	0.719	50211	
Class A					Pipe to 90 Degree Elbow				
B09.011.066A	2NI185-22		CN-2NI-185	NDE-35	PT	SS	6.000		
	Circumferential	NI	CN-2562-1.1			160	0.719		
Class A					Pipe to 90 Degree Elbow				

**CATEGORY B-J, Pressure Retaining Welds In
Piping****■ NPS 4 or Larger**DUKE ENERGY CORPORATION
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
Total B09.011 Items:		32								

CATEGORY B-J, Pressure Retaining Welds In Piping

Less Than NPS 4

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****									
B09.021.001	2NC114-12		CN-2NC-114	NDE-35	PT	SS	3.000		
	Circumferential	NC	CN-2553-1.1			160	0.438		
Class A						6X3 Reducing Tee to Pipe			
B09.021.002	2NC114-3		CN-2NC-114	NDE-35	PT	SS	3.000		
	Circumferential	NC	CN-2553-1.1			160	0.438		
Class A						Pipe to 45 Degree Elbow			
B09.021.003	2NC114-6		CN-2NC-114	NDE-35	PT	SS	3.000		
	Circumferential	NC	CN-2553-1.1			160	0.438		
Class A						90 Degree Elbow to Pipe			
B09.021.004	2NC116-10		CN-2NC-116	NDE-35	PT	SS	3.000		
	Circumferential	NC	CN-2553-1.1			160	0.438		
Class A						Pipe to 90 Degree Elbow			
B09.021.005	2NC116-11		CN-2NC-116	NDE-35	PT	SS	3.000		
	Circumferential	NC	CN-2553-1.1			160	0.438		
Class A						90 Degree Elbow to Pipe			
B09.021.006	2NC116-9		CN-2NC-116	NDE-35	PT	SS	3.000		
	Circumferential	NC	CN-2553-1.1			160	0.438		
Class A						6X3 Reducer to Pipe			
B09.021.011	2NC258-1		CN-2NC-258	NDE-35	PT	SS	3.000		
	Circumferential	NC	CN-2553-1.0				0.438		
Class A						Elbow to Pipe			
B09.021.012	2NC258-3		CN-2NC-258	NDE-35	PT	SS	3.000		
	Circumferential	NC	CN-2553-1.0				0.438		
Class A						Pipe to Valve (2NC298)			

CATEGORY B-J, Pressure Retaining Welds In Piping

Less Than NPS 4

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.021.013	2NC258-4		CN-2NC-258	NDE-35	PT	SS	3.000		
	Circumferential	NC	CN-2553-1.0				0.438		
Class A					Valve (2NC-298) to Pipe				
B09.021.014	2NC258-5		CN-2NC-258	NDE-35	PT	SS	3.000		
	Circumferential	NC	CN-2553-1.0				0.438		
Class A					Pipe to Valve (2NC299)				
B09.021.031	2NV185-1		CN-2NV-185	NDE-35	PT	SS	3.000		
	Circumferential	NV	CN-2554-1.0			160	0.438		
Class A	Stress weld				VLV 2NV034 to Pipe				
B09.021.032	2NV185-2		CN-2NV-185	NDE-35	PT	SS	3.000		
	Circumferential	NV	CN-2554-1.0			160	0.438		
Class A	Stress weld				Pipe to VLV 2NV033				
<hr/>									
Total B09.021 Items:		12							

CATEGORY B-J, Pressure Retaining Welds In Piping

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Branch Pipe Connection Welds

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Less Than NPS 4 ****									
B09.032.009	2NI70-3		CN-2NI-70	NDE-35	PT	SS	2.000		
	Branch	NI	CN-2562-1.3			160	0.344		
Class A					Pipe to Special Weld Boss				
B09.032.010	2NI75-7		CN-2NI-75	NDE-35	PT	SS	2.000		
	Branch	NI	CN-2562-1.3			6000	0.344		
Class A					Special Weld Boss to Pipe				
B09.032.011	1-20-1		CN-2NC-9	NDE-35	PT	SS	2.000		Cold Leg 2A Boss Coupling RTD Modification
	Branch	NC	CN-2680-1			160	0.344		
Class A					Half Coupling to Pipe				
B09.032.012	2NC9-WN4		CN-2NC-9	NDE-35	PT	SS	2.000		CNM 2201.01-104/3
	Branch	NC	CN-2553-1.0			160	1.355		Nozzle G to P1
Class A					Nozzle to Pipe				
Total B09.032 Items:		4							

CATEGORY B-J, Pressure Retaining Welds In Piping

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Socket Welds

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.040.001	2NC140-1		CN-2NC-140	NDE-35	PT	SS	1.500		
	Socket	NC	CN-2553-1.0			160	0.281		
Class A					2x1 1/2 Reducing Insert to Pipe				
B09.040.002	2NC140-3		CN-2NC-140	NDE-35	PT	SS	1.500		
	Socket	NC	CN-2553-1.0			160	0.281		
Class A					45 Degree Elbow to Pipe				
B09.040.003	2NC141-1		CN-2NC-141	NDE-35	PT	SS	2.000		
	Socket	NC	CN-2553-1.0			160	0.344		
Class A					VLV 2NI015 to 2X1 1/2 Reducing Insert				
B09.040.004	2NC141-2		CN-2NC-141	NDE-35	PT	SS	1.500		
	Socket	NC	CN-2553-1.0			160	0.281		
Class A					2X1 1/2 Reducing Insert to Pipe				
B09.040.005	2NC141-4		CN-2NC-141	NDE-35	PT	SS	1.500		
	Socket	NC	CN-2553-1.0			160	0.281		
Class A					90 Degree Elbow to Pipe				
B09.040.038	2NI398-13		CN-2NI-398	NDE-35	PT	SS	2.000		
	Socket	NI	CN-2562-1.2			160	0.344		
Class A					Tee to Pipe				
B09.040.039	2NI398-15		CN-2NI-398	NDE-35	PT	SS	2.000		
	Socket	NI	CN-2562-1.2			160	0.344		
Class A					90 Degree Elbow to Pipe				
B09.040.040	2NI398-18		CN-2NI-398	NDE-35	PT	SS	2.000		
	Socket	NI	CN-2562-1.2			160	0.344		
Class A					Pipe to 90 Degree Elbow				

CATEGORY B-J, Pressure Retaining Welds In Piping

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Socket Welds

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.040.041	2NI398-20		CN-2NI-398	NDE-35	PT	SS	2.000		
	Socket	NI	CN-2562-1.2			160	0.344		
Class A					Pipe to 90 Degree Elbow				
B09.040.046	2NV194-6		CN-2NV-194	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.0			160	0.344		
Class A					90 Degree Elbow to Pipe				
B09.040.047	2NV194-8		CN-2NV-194	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.0			160	0.344		
Class A					90 Degree Elbow to Pipe				
B09.040.060	2NV224-12		CN-2NV-224	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class A					Flange to Pipe				
B09.040.061	2NV224-16		CN-2NV-224	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class A					Tee to Pipe				
B09.040.062	2NV224-2		CN-2NV-224	NDE-35	PT	SS	1.500		
	Socket	NV	CN-2554-1.5			160	0.281		
Class A					Pipe to 2X1 1/2 Reducing Insert				
B09.040.063	2NV224-20		CN-2NV-224	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class A					VLV 2NV071 to Pipe				
B09.040.064	2NV224-23		CN-2NV-224	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class A					90 Degree Elbow to Pipe				
B09.040.065	2NV224-3		CN-2NV-224	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class A					2X1 1/2 Reducing Insert to 90 Degree Elbow				

CATEGORY B-N-1, Interior of Reactor Vessel

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Reactor Vessel

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Vessel Interior ****									
B13.010.001	2RPV-INTERIOR			*		VT-3	SS	0.000	Area Above And Below Core Made Accessible
		NC	CNM 2201.01-51					0.000	During Normal Refueling Outages
Class A			CNM 2201.01-67						* Use WesDyne Procedure WDI-STD-088
									Reference CNM 2201.01-0205
Total B13.010 Items:		1							

CATEGORY B-N-2, Integral Welded Core Support Structures And Interior Attach of RV

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Reactor Vessel (PWR)

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Interior Attachments Beyond Beltline Region ****									
B13.060.001	2RPV-CLEVIS			*		VT-3	SS	0.000	6 Clevis Located At 60 Degree Intervals In Lower Shell
			CNM 2201.01-74/4					0.000	* Use WesDyne Procedure WDI-STD-088
Class A									Reference CNM 2201.01-0205
B13.060.002	2RPV-INCORE			*		VT-3	SS	0.000	58 Incore Instrumentation Nozzles Located In Lower Head
			CNM 2201.01-74/2					0.000	* Use WesDyne Procedure WDI-STD-088
Class A									Reference CNM 2201.01-0205
Total B13.060 Items:		2							

**CATEGORY C-A, Pressure Retaining Welds In
Pressure Vessels****DUKE ENERGY CORPORATION
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12/15/2004****Shell Circumferential Welds****Catawba 2****Inservice Inspection Plan for Interval 2 Outage 6**

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.010.001	2SGB-03-04A		CN-2553-1.0	NDE-640	UT	CS	0.000	50366	Steam Generator 2B Stub Barrel To Lower Shell
	Circumferential	NC	CNM 2201.01-102	NDE-820			3.060		PC. 3 To PC. 4A
Class B			CNM 2201.01-106		Stub Barrel to Lower Shell				
C01.010.002	2SGC-04B-05		CN-2553-1.0	NDE-640	UT	CS	0.000	50366	Steam Generator 2C Lower Shell To Transition
	Circumferential	NC	CNM 2201.01-105	NDE-820			3.060		Cone PC. 4B To PC. 5
Class B					Lower Shell to Transition Cone				
Total C01.010 Items:		2							

**CATEGORY C-A, Pressure Retaining Welds In
Pressure Vessels**

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Head Circumferential Welds

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.020.004	2REGHX-SH1-HD1		CN-2554-1.0	NDE-630	UT	SS	10.900	50312	Regenerative Heat Exchanger (Shell 1)
Class B	Circumferential	NV	CNM 1201.06-31				1.070		Shell (1) to Head (1)
			CNM 1201.06-83		Shell to Head				Pc.3 to Pc.5
									See Request for Relief Serial Number 03-001.
C01.020.005	2REGHX-SH1-HD2		CN-2554-1.0	NDE-630	UT	SS	10.900	50312	Regenerative Heat Exchanger (Shell 1)
Class B	Circumferential	NV	CNM 1201.06-83				1.070		Shell (1) to Head (2)
			CNM 1201.06-31		Shell to Head				Pc.2 to Pc.5
									See Request for Relief Serial Number 03-001.
C01.020.006	2REGHX-SH2-HD1		CN-2554-1.0	NDE-630	UT	SS	10.900	50312	Regenerative Heat Exchanger (Shell 2)
Class B	Circumferential	NV	CNM 1201.06-83				1.070		Shell (2) to Head (1)
			CNM 1201.06-31		Shell to Head				Pc.3 to Pc.5
									See Request for Relief Serial Number 03-001.
C01.020.007	2REGHX-SH2-HD2		CN-2554-1.0	NDE-630	UT	SS	10.900	50312	Regenerative Heat Exchanger (Shell 2)
Class B	Circumferential	NV	CNM 1201.06-83				1.070		Shell (2) to Head (2)
			CNM 1201.06-31		Shell to Head				Pc.2 to Pc.5
									See Request for Relief Serial Number 03-001.
C01.020.008	2REGHX-SH3-HD1		CN-2554-1.0	NDE-630	UT	SS	10.900	50312	Regenerative Heat Exchanger (Shell 3)
Class B	Circumferential	NV	CNM 1201.06-83				1.070		Shell (3) to Head (1)
			CNM 1201.06-31		Shell to Head				Pc.3 to Pc.5
									See Request for Relief Serial Number 03-001.
C01.020.009	2REGHX-SH3-HD2		CN-2554-1.0	NDE-630	UT	SS	10.900	50312	Regenerative Heat Exchanger (Shell 3)
Class B	Circumferential	NV	CNM 1201.06-83				1.070		Shell (3) to Head (2)
			CNM 1201.06-31		Shell to Head				Pc.2 to Pc.5
									See Request for Relief Serial Number 03-001.

Total C01.020 Items: 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
C01.030.002	2REGHX-SH1-TS		CN-2554-1.0	NDE-630	UT	SS	10.900	50312	Regenerative Heat Exchanger (Shell 1)
Class B	Circumferential	NV	CNM 1201.06-31				1.070		Shell (1) to Tubesheet
			CNM 1201.06-83		Shell to Tubesheet				Pc.3 to Pc.4
									See Request for Relief Serial Number 03-001.
C01.030.003	2REGHX-SH2-TS		CN-2554-1.0	NDE-630	UT	SS	10.900	50312	Regenerative Heat Exchanger (Shell 2)
Class B	Circumferential	NV	CNM 1201.06-83				1.070		Shell (2) to Tubesheet
			CNM 1201.06-31		Shell to Tubesheet				Pc.3 to Pc.4
									See Request for Relief Serial Number 03-001.
C01.030.004	2REGHX-SH3-TS		CN-2554-1.0	NDE-630	UT	SS	10.900	50312	Regenerative Heat Exchanger (Shell 3)
Class B	Circumferential	NV	CNM 1201.06-83				1.070		Shell (3) to Tubesheet
			CNM 1201.06-31		Shell to Tubesheet				Pc.3 to Pc.4
									See Request for Relief Serial Number 03-001.
C01.030.005	2REGHX-TS-SH1		CN-2554-1.0	NDE-630	UT	SS	10.900	50312	Regenerative Heat Exchanger (Shell 1)
Class B	Circumferential	NV	CNM 1201.06-83				1.070		Tubesheet to Shell (1)
			CNM 1201.06-31		Tubesheet to Shell				Pc.4 to Pc.2
									See Request for Relief Serial Number 03-001.
C01.030.006	2REGHX-TS-SH2		CN-2554-1.0	NDE-630	UT	SS	10.900	50312	Regenerative Heat Exchanger (Shell 2)
Class B	Circumferential	NV	CNM 1201.06-83				1.070		Tubesheet to Shell (2)
			CNM 1201.06-31		Tubesheet to Shell				Pc.4 to Pc.2
									See Request for Relief Serial Number 03-001.
C01.030.007	2REGHX-TS-SH3		CN-2554-1.0	NDE-630	UT	SS	10.900	50312	Regenerative Heat Exchanger (Shell 3)
Class B	Circumferential	NV	CNM 1201.06-83				1.070		Tubesheet to Shell (3)
			CNM 1201.06-31		Tubesheet to Shell				Pc.4 to Pc.2
									See Request for Relief Serial Number 03-001.
Total C01.030 Items:		6							
Total C01 Items:		14							

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Nozzle-to-Shell (or Head) Weld ****									
C02.021.002	2SGB-SB-11			NDE-640	UT	CS	16.000	50366	Steam Generator 2B Feedwater Nozzle To Stub Barrel
	Circumferential	NC	CNM-2201.01-102/1	NDE-820			3.310		PC. 3 To PC. 11
Class B			CNM-2201.01-106/1		Nozzle to Stub Barrel				
C02.021.002A	2SGB-SB-11			NDE-25	MT	CS	16.000		Steam Generator 2B Feedwater Nozzle To Stub Barrel
	Circumferential	NC	CNM-2201.01-102/1				3.310		PC. 3 To PC. 11
Class B			CNM-2201.01-106/1		Nozzle to Stub Barrel				
Total C02.021 Items:		2							
**** Nozzle Inside Radius Section ****									
C02.022.001	2SGB-SB-11			NDE-680	UT	CS	16.000	CB-07-155	Steam Generator 2B Feedwater Nozzle Inside Radius
	Circumferential	NC	CNM-2201.01-102/1				3.310		
Class B			CNM-2201.01-106/1		Nozzle to Stub Barrel				
Total C02.022 Items:		1							
Total C02 Items:		3							

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL BLOCKS	COMMENTS
C03.020.075	2-R-SM-1587 Rigid Support		CN-2491-SM005 CN-2593-1.0	NDE-25	MT	CS	34.000 0.750	Welded Attachment
Class B								
C03.020.097	2-R-SM-1577 Mech Snubber		CN-2491-SM005 CN-2593-1.0	NDE-25	MT	CS	34.000 1.750	Welded Attachment
Class B								
C03.020.098	2-R-SM-1578 Mech Snubber		CN-2491-SM005 CN-2593-1.0	NDE-25	MT	CS	34.000 1.750	Welded Attachment
Class B								
C03.020.099	2-R-SM-1579 Mech Snubber		CN-2491-SM005 CN-2593-1.0	NDE-25	MT	CS	34.000 0.750	Welded Attachment
Class B								
C03.020.100	2-R-SM-1581 Mech Snubber		CN-2491-SM005 CN-2593-1.0	NDE-25	MT	CS	34.000 0.750	Welded Attachment
Class B								
C03.020.102	2-R-SM-1583 Mech Snubber		CN-2491-SM005 CN-2593-1.0	NDE-25	MT	CS	34.000 0.750	Welded Attachment
Class B								
Total C03.020 Items:		14						
Total C03 Items:		14						

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

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**Piping Welds \geq 3/8 In. Nominal Wall Thickness
for Piping $>$ NPS 4**

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Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.011.004	2CA92-21		CN-2CA-92	PDI-UT-10	UT	SS-CS	6.000	50331	
	Circumferential	CA	CN-2592-1.1			80	0.432	50319	
Class B	Dissimilar				Pipe to 90 Degree Elbow				
C05.011.004A	2CA92-21		CN-2CA-92	NDE-35	PT	SS-CS	6.000		
	Circumferential	CA	CN-2592-1.1			80	0.432		
Class B	Dissimilar				Pipe to 90 Degree Elbow				
C05.011.005	2CA92-22		CN-2CA-92	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	CA	CN-2592-1.1			80	0.432	50319	Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class B					90 Degree Elbow to Pipe				
C05.011.005A	2CA92-22		CN-2CA-92	NDE-35	PT	SS	6.000		
	Circumferential	CA	CN-2592-1.1			80	0.432		
Class B					90 Degree Elbow to Pipe				
C05.011.006	2CA92-23		CN-2CA-92	PDI-UT-10	UT	SS-CS	6.000	50331	
	Circumferential	CA	CN-2592-1.1			80	0.432	50319	
Class B	Dissimilar				Pipe to 90 Degree Elbow				
C05.011.006A	2CA92-23		CN-2CA-92	NDE-35	PT	SS-CS	6.000		
	Circumferential	CA	CN-2592-1.1			80	0.432		
Class B	Dissimilar				Pipe to 90 Degree Elbow				
C05.011.007	2CA92-24		CN-2CA-92	PDI-UT-10	UT	SS-CS	6.000	50331	
	Circumferential	CA	CN-2592-1.1			80	0.432	50319	
Class B	Dissimilar				90 Degree Elbow to 6X4 Reducer				
C05.011.007A	2CA92-24		CN-2CA-92	NDE-35	PT	SS-CS	6.000		
	Circumferential	CA	CN-2592-1.1			80	0.432		
Class B	Dissimilar				90 Degree Elbow to 6X4 Reducer				

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

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**Piping Welds \geq 3/8 In. Nominal Wall Thickness
for Piping $>$ NPS 4**

Catawba 2

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.011.019	2CA73-40		CN-2CA-73	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class B	Circumferential	CA	CN-2592-1.1		Pipe to 90 Degree Elbow	80	0.432	50319	
C05.011.019A	2CA73-40		CN-2CA-73	NDE-35	PT	SS	6.000		
Class B	Circumferential	CA	CN-2592-1.1		Pipe to 90 Degree Elbow	80	0.432		
C05.011.020	2CA73-41		CN-2CA-73	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class B	Circumferential	CA	CN-2592-1.1		90 Degree Elbow to Pipe	80	0.432	50319	
C05.011.020A	2CA73-41		CN-2CA-73	NDE-35	PT	SS	6.000		
Class B	Circumferential	CA	CN-2592-1.1		90 Degree Elbow to Pipe	80	0.432		
C05.011.032	2FW76-6		CN-2FW-76	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class B	Circumferential	FW	CN-2571-1.0		Pipe to VLV 2FW028	STD	0.375	50313	
C05.011.032A	2FW76-6		CN-2FW-76	NDE-35	PT	SS	12.000		
Class B	Circumferential	FW	CN-2571-1.0		Pipe to VLV 2FW028	STD	0.375		
C05.011.033	2FW39-5		CN-2FW-39	NDE-600	UT	SS	24.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class B	Circumferential	FW	CN-2571-1.0		Tee to Reducer	20	0.375		
C05.011.033A	2FW39-5		CN-2FW-39	NDE-35	PT	SS	24.000		
Class B	Circumferential	FW	CN-2571-1.0		Tee to Reducer	20	0.375		

**CATEGORY C-F-1, Pressure Retaining Welds In
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**Piping Welds >= 3/8 In. Nominal Wall Thickness
for Piping > NPS 4**

Catawba 2

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.011.034	2FW39-6		CN-2FW-39	NDE-600	UT	SS	24.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C shall be used.
Class B	Circumferential	FW	CN-2571-1.0		Elbow to Tee	20	0.375		
C05.011.034A	2FW39-6		CN-2FW-39	NDE-35	PT	SS	24.000		
Class B	Circumferential	FW	CN-2571-1.0		Elbow to Tee	20	0.375		
C05.011.035	2FW39-7		CN-2FW-39	NDE-600	UT	SS	24.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C shall be used.
Class B	Circumferential	FW	CN-2571-1.0		Pipe to Elbow	20	0.375		
C05.011.035A	2FW39-7		CN-2FW-39	NDE-35	PT	SS	24.000		
Class B	Circumferential	FW	CN-2571-1.0		Pipe to Elbow	20	0.375		
C05.011.036	2FW39-11		CN-2FW-39	NDE-600	UT	SS	24.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C shall be used.
Class B	Circumferential	FW	CN-2571-1.0		Tee to Pipe	20	0.375		
C05.011.036A	2FW39-11		CN-2FW-39	NDE-35	PT	SS	24.000		
Class B	Circumferential	FW	CN-2571-1.0		Tee to Pipe	20	0.375		
C05.011.037	2FW39-12		CN-2FW-39	NDE-600	UT	SS	24.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C shall be used.
Class B	Circumferential	FW	CN-2571-1.0		Tee to Elbow	20	0.375		
C05.011.037A	2FW39-12		CN-2FW-39	NDE-35	PT	SS	24.000		
Class B	Circumferential	FW	CN-2571-1.0		Tee to Elbow	20	0.375		

**CATEGORY C-F-1, Pressure Retaining Welds In
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**Piping Welds \geq 3/8 In. Nominal Wall Thickness
for Piping $>$ NPS 4**

Catawba 2

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.011.038	2FW39-13		CN-2FW-39	NDE-600	UT	SS	24.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C shall be used.
Class B	Circumferential	FW	CN-2571-1.0		Reducer to Tee	20	0.375		
C05.011.038A	2FW39-13		CN-2FW-39	NDE-35	PT	SS	24.000		
Class B	Circumferential	FW	CN-2571-1.0		Reducer to Tee	20	0.375		
C05.011.039	2FW42-19		CN-2FW-42	NDE-600	UT	SS	24.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C shall be used.
Class B	Circumferential	FW	CN-2571-1.0		Elbow to Pipe	STD	0.375		
C05.011.039A	2FW42-19		CN-2FW-42	NDE-35	PT	SS	24.000		
Class B	Circumferential	FW	CN-2571-1.0		Elbow to Pipe	STD	0.375		
C05.011.040	2FW42-20		CN-2FW-42	NDE-600	UT	SS	24.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C shall be used.
Class B	Circumferential	FW	CN-2571-1.0		Pipe to Elbow	STD	0.375		
C05.011.040A	2FW42-20		CN-2FW-42	NDE-35	PT	SS	24.000		
Class B	Circumferential	FW	CN-2571-1.0		Pipe to Elbow	STD	0.375		
C05.011.078	2ND30-1		CN-2ND-30	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class B	Circumferential	ND	CN-2561-1.1		Pipe to Tee	STD	0.375	50313	
C05.011.078A	2ND30-1		CN-2ND-30	NDE-35	PT	SS	12.000		
Class B	Circumferential	ND	CN-2561-1.1		Pipe to Tee	STD	0.375		

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

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Piping Welds $\geq 3/8$ in. Nominal Wall Thickness for Piping \geq NPS 4

Catawba 2

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.011.079	2ND30-2		CN-2ND-30	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class B	Circumferential	ND	CN-2561-1.1		Tee to Pipe	140	1.125	50219	
C05.011.079A	2ND30-2		CN-2ND-30	NDE-35	PT	SS	12.000		
Class B	Circumferential	ND	CN-2561-1.1		Tee to Pipe	140	1.125		
C05.011.081	2ND40-6		CN-2ND-40	NDE-600	UT	SS	14.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class B	Circumferential	ND	CN-2561-1.0		90 Degree Elbow to Pipe	40	0.438	50314	
C05.011.081A	2ND40-6		CN-2ND-40	NDE-35	PT	SS	14.000		
Class B	Circumferential	ND	CN-2561-1.0		90 Degree Elbow to Pipe	40	0.438		
C05.011.082	2ND46-3		CN-2ND-46	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class B	Circumferential	ND	CN-2561-1.0		Pipe to 90 Degree Elbow	STD	0.375	50313	
C05.011.082A	2ND46-3		CN-2ND-46	NDE-35	PT	SS	12.000		
Class B	Circumferential	ND	CN-2561-1.0		Pipe to 90 Degree Elbow	STD	0.375		
C05.011.084	2ND46-5		CN-2ND-46	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class B	Circumferential	ND	CN-2561-1.0		Pipe to 90 Degree Elbow	STD	0.375	50313	
C05.011.084A	2ND46-5		CN-2ND-46	NDE-35	PT	SS	12.000		
Class B	Circumferential	ND	CN-2561-1.0		Pipe to 90 Degree Elbow	STD	0.375		

**CATEGORY C-F-1, Pressure Retaining Welds In
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for Piping $>$ NPS 4**

Catawba 2

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C05.011.085	2ND46-7		CN-2ND-46	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
	Circumferential	ND	CN-2561-1.0			STD	0.375	50313	
Class B					Pipe to 45 Degree Elbow				
C05.011.085A	2ND46-7		CN-2ND-46	NDE-35	PT	SS	12.000		
	Circumferential	ND	CN-2561-1.0			STD	0.375		
Class B					Pipe to 45 Degree Elbow				

Total C05.011 Items: 42

**CATEGORY C-F-1, Pressure Retaining Welds In
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**Piping Welds > 1/5 in. Nom Wall For Piping >=
NPS 2 And <= NPS 4**

**Catawba 2
Inservice Inspection Plan for Interval 2 Outage 6**

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.021.240	2NV34-10		CN-2NV-34	NDE-600	UT	SS	3.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class B	Circumferential	NV	CN-2554-1.2		Pipe to 90 Degree Elbow	160	0.438	50225	
C05.021.240A	2NV34-10		CN-2NV-34	NDE-35	PT	SS	3.000		
Class B	Circumferential	NV	CN-2554-1.2		Pipe to 90 Degree Elbow	160	0.438		
C05.021.241	2NV34-11		CN-2NV-34	NDE-600	UT	SS	3.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class B	Circumferential	NV	CN-2554-1.2		90 Degree Elbow to Tee	160	0.438	50225	
C05.021.241A	2NV34-11		CN-2NV-34	NDE-35	PT	SS	3.000		
Class B	Circumferential	NV	CN-2554-1.2		90 Degree Elbow to Tee	160	0.438		
C05.021.242	2NV34-18		CN-2NV-34	NDE-600	UT	SS	3.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class B	Circumferential	NV	CN-2554-1.2		90 Degree Elbow to Pipe	160	0.438	50225	
C05.021.242A	2NV34-18		CN-2NV-34	NDE-35	PT	SS	3.000		
Class B	Circumferential	NV	CN-2554-1.2		90 Degree Elbow to Pipe	160	0.438		
C05.021.243	2NV34-19		CN-2NV-34	NDE-600	UT	SS	3.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
Class B	Circumferential	NV	CN-2554-1.2		Pipe to 90 Degree Elbow	160	0.438	50225	

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

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.243A	2NV34-19		CN-2NV-34	NDE-35	PT	SS	3.000		
	Circumferential	NV	CN-2554-1.2			160	0.438		
Class B					Pipe to 90 Degree Elbow				
C05.021.244	2NV34-8		CN-2NV-34	NDE-600	UT	SS	3.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	NV	CN-2554-1.2			160	0.438	50225	Depending on the examiners qualifications,
Class B					Pipe to 90 Degree Elbow				Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
C05.021.244A	2NV34-8		CN-2NV-34	NDE-35	PT	SS	3.000		
	Circumferential	NV	CN-2554-1.2			160	0.438		
Class B					Pipe to 90 Degree Elbow				
C05.021.245	2NV34-9		CN-2NV-34	NDE-600	UT	SS	3.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	NV	CN-2554-1.2			160	0.438	50225	Depending on the examiners qualifications,
Class B					90 Degree Elbow to Pipe				Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
C05.021.245A	2NV34-9		CN-2NV-34	NDE-35	PT	SS	3.000		
	Circumferential	NV	CN-2554-1.2			160	0.438		
Class B					90 Degree Elbow to Pipe				
C05.021.248	2NV37-14		CN-2NV-37	NDE-600	UT	SS	2.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	NV	CN-2554-1.5			160	0.344	50217	Depending on the examiners qualifications,
Class B					3X2 Reducer to Pipe				Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
C05.021.248A	2NV37-14		CN-2NV-37	NDE-35	PT	SS	2.000		
	Circumferential	NV	CN-2554-1.5			160	0.344		
Class B					3X2 Reducer to Pipe				
C05.021.249	2NV37-15		CN-2NV-37	NDE-600	UT	SS	3.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	NV	CN-2554-1.5			160	0.438	50225	Depending on the examiners qualifications,
Class B					Tee to 3X2 Reducer				Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.

**CATEGORY C-F-1, Pressure Retaining Welds In
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NPS 2 And <= NPS 4**Catawba 2
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.249A	2NV37-15		CN-2NV-37	NDE-35	PT	SS	3.000		
	Circumferential	NV	CN-2554-1.5			160	0.438		
Class B					Tee to 3X2 Reducer				

Total C05.021 Items: 16

**CATEGORY C-F-1, Pressure Retaining Welds In
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Socket Welds

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.030.006	2NI281-28		CN-2NI-281	NDE-35	PT	SS	2.000		
	Socket	NI	CN-2562-1.3			160	0.344		
Class B									90 Degree Elbow to Pipe
C05.030.007	2NI281-29		CN-2NI-281	NDE-35	PT	SS	2.000		
	Socket	NI	CN-2562-1.3			160	0.344		
Class B									Pipe to 90 Degree Elbow
C05.030.008	2NI281-3		CN-2NI-281	NDE-35	PT	SS	2.000		
	Socket	NI	CN-2562-1.3			160	0.344		
Class B									Full Coupling to Pipe
C05.030.009	2NI296-1		CN-2NI-296	NDE-35	PT	SS	2.000		
	Socket	NI	CN-2562-1.3			160	0.344		
Class B									90 Degree Elbow to Pipe
C05.030.010	2NI296-3		CN-2NI-296	NDE-35	PT	SS	2.000		
	Socket	NI	CN-2562-1.3			160	0.344		
Class B									90 Degree Elbow to Pipe
C05.030.011	2NI299-1		CN-2NI-299	NDE-35	PT	SS	2.000		
	Socket	NI	CN-2562-1.3			160	0.344		
Class B									90 Degree Elbow to Pipe
C05.030.012	2NI299-24		CN-2NI-299	NDE-35	PT	SS	2.000		
	Socket	NI	CN-2562-1.3			160	0.344		
Class B									Pipe to 90 Degree Elbow
C05.030.013	2NI299-26		CN-2NI-299	NDE-35	PT	SS	2.000		
	Socket	NI	CN-2562-1.3			160	0.344		
Class B									Full Coupling to Pipe

**CATEGORY C-F-1. Pressure Retaining Welds In
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Socket Welds

Catawba 2

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.030.014	2NI300-11		CN-2NI-300	NDE-35	PT	SS	2.000		
	Socket	NI	CN-2562-1.3			160	0.344		
Class B					90 Degree Elbow to Pipe				
C05.030.015	2NI300-13		CN-2NI-300	NDE-35	PT	SS	2.000		
	Socket	NI	CN-2562-1.3			160	0.344		
Class B					90 Degree Elbow to Pipe				
C05.030.112	2NV257-1		CN-2NV-257	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					90 Degree Elbow to Pipe				
C05.030.113	2NV257-10		CN-2NV-257	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					Pipe to Full Coupling				
C05.030.114	2NV257-11		CN-2NV-257	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					Full Coupling to Pipe				
C05.030.115	2NV257-16		CN-2NV-257	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					Pipe to Full Coupling				
C05.030.116	2NV257-17		CN-2NV-257	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					Full Coupling to Pipe				
C05.030.117	2NV257-4		CN-2NV-257	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					Pipe to 90 Degree Elbow				
C05.030.118	2NV257-5		CN-2NV-257	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					90 Degree Elbow to Pipe				

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

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Socket Welds

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.030.127	2NV270-1		CN-2NV-270	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					90 Degree Elbow to				
					Pipe				
C05.030.128	2NV270-2		CN-2NV-270	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					Pipe to				
					90 Degree Elbow				
C05.030.129	2NV274-2		CN-2NV-274	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					Pipe to				
					90 Degree Elbow				
C05.030.130	2NV274-3		CN-2NV-274	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					90 Degree Elbow to				
					Pipe				
C05.030.131	2NV275-1		CN-2NV-275	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					90 Degree Elbow to				
					Pipe				
C05.030.132	2NV275-10		CN-2NV-275	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					Tee to				
					2X3/4 Reducing Insert				
C05.030.133	2NV275-14		CN-2NV-275	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					Tee to				
					2x3/4 Reducing Insert				
C05.030.134	2NV275-2		CN-2NV-275	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					Pipe to				
					Tee				
C05.030.135	2NV275-5		CN-2NV-275	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					Pipe to				
					Tee				

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

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Socket Welds

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.030.136	2NV275-8		CN-2NV-275	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
	Class B				Tee to Pipe				
C05.030.137	2NV310-13		CN-2NV-310	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
	Class B				90 Degree Elbow to Pipe				
C05.030.138	2NV310-14		CN-2NV-310	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
	Class B				Pipe to 90 Degree Elbow				
C05.030.139	2NV310-18		CN-2NV-310	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
	Class B				Pipe to 90 Degree Elbow				
C05.030.140	2NV310-2		CN-2NV-310	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
	Class B				Pipe to 90 Degree Elbow				

Total C05.030 Items: 31

**CATEGORY C-F-1, Pressure Retaining Welds In
Austenitic SS or High Alloy Piping**DUKE ENERGY CORPORATION
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12/15/2004**■ Pipe Branch Connections of Branch Piping >=
NPS 2**Catawba 2
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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****** Circumferential Weld ******

C05.041.021	2FW42-9		CN-2FW-42	NDE-35	PT	SS	8.000		
	Branch	FW	CN-2571-1.0			20	0.250		
	Class B				Sweepolet to Pipe				

Total C05.041 Items: 1

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

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**Piping Welds \geq 3/8 In. Nominal Wall Thickness
for Piping $>$ NPS 4**

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.051.081	2SA2-1		CN-2SA-2	NDE-600	UT	CS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
Class B	Circumferential	SA	CN-2593-1.1		90 Degree Elbow to Pipe	80	0.432	50331	
C05.051.081A	2SA2-1		CN-2SA-2	NDE-25	MT	CS	6.000		
Class B	Circumferential	SA	CN-2593-1.1		90 Degree Elbow to Pipe	80	0.432		
C05.051.082	2SA2-2		CN-2SA-2	NDE-600	UT	CS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
Class B	Circumferential	SA	CN-2593-1.1		Pipe to 90 Degree Elbow	80	0.432	50331	
C05.051.082A	2SA2-2		CN-2SA-2	NDE-25	MT	CS	6.000		
Class B	Circumferential	SA	CN-2593-1.1		Pipe to 90 Degree Elbow	80	0.432		
C05.051.083	2SA2-3		CN-2SA-2	NDE-600	UT	CS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
Class B	Circumferential	SA	CN-2593-1.1		90 Degree Elbow to Pipe	80	0.432	50331	
C05.051.083A	2SA2-3		CN-2SA-2	NDE-25	MT	CS	6.000		
Class B	Circumferential	SA	CN-2593-1.1		90 Degree Elbow to Pipe	80	0.432		
C05.051.084	2SA6-4		CN-2SA-6	NDE-600	UT	CS	6.000	*	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
Class B	Circumferential	SA	CN-2593-1.1		VLV 2SA003 to Pipe	80	0.432	50331	

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

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**Piping Welds \geq 3/8 in. Nominal Wall Thickness
for Piping $>$ NPS 4**

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.084A	2SA6-4		CN-2SA-6	NDE-25	MT	CS	6.000		
	Circumferential	SA	CN-2593-1.1			80	0.432		
Class B					VLV 2SA003 to Pipe				
C05.051.085	2SA6-5		CN-2SA-6	NDE-600	UT	CS	6.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	SA	CN-2593-1.1			80	0.432	50331	Depending on the examiners qualifications, Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
Class B					Pipe to 90 Degree Elbow				
C05.051.085A	2SA6-5		CN-2SA-6	NDE-25	MT	CS	6.000		
	Circumferential	SA	CN-2593-1.1			80	0.432		
Class B					Pipe to 90 Degree Elbow				
C05.051.086	2SA6-7		CN-2SA-6	NDE-600	UT	CS	6.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	SA	CN-2593-1.1			80	0.432	50331	Depending on the examiners qualifications, Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
Class B					Pipe to 90 Degree Elbow				
C05.051.086A	2SA6-7		CN-2SA-6	NDE-25	MT	CS	6.000		
	Circumferential	SA	CN-2593-1.1			80	0.432		
Class B					Pipe to 90 Degree Elbow				
C05.051.107	2SM-7D-D		CN-2SM-46	NDE-600	UT	CS	10.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	SM	CN-2593-1.0				1.500		Depending on the examiners qualifications, Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
Class B					Outlet to Transition Piece				
C05.051.107A	2SM-7D-D		CN-2SM-46	NDE-25	MT	CS	10.000		
	Circumferential	SM	CN-2593-1.0				1.500		
Class B					Outlet to Transition Piece				
C05.051.108	2SM-7D-F		CN-2SM-46	NDE-600	UT	CS	10.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	SM	CN-2593-1.0				1.500		Depending on the examiners qualifications, Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
Class B					Outlet to Transition Piece				

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

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Piping Welds $\geq 3/8$ In. Nominal Wall Thickness for Piping \geq NPS 4

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.108A	2SM-7D-F		CN-2SM-46	NDE-25	MT	CS	10.000		
	Circumferential	SM	CN-2593-1.0				1.500		
Class B					Outlet to Transition Piece				
C05.051.109	2SM-7D-G		CN-2SM-46	NDE-600	UT	CS	10.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	SM	CN-2593-1.0				1.500		Depending on the examiners qualifications,
Class B					Outlet to Transition Piece				Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
C05.051.109A	2SM-7D-G		CN-2SM-46	NDE-25	MT	CS	10.000		
	Circumferential	SM	CN-2593-1.0				1.500		
Class B					Outlet to Transition Piece				
Total C05.051 Items:			18						
Total C05 Items:			108						

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Valve Body Welds ****									
C06.020.007	2NI-118A			NDE-35	PT	SS	4.000		Valve Body Weld - Valve Numbers in Valve Group
	Circumferential	NI	CN-2562-1.2				0.534		2NI-118A, 2NI-150B
Class B			CNM-1205.00-113		Valve Body to Bonnet				
C06.020.014	2NV-482			NDE-35	PT	SS	4.000		Valve Body Weld
	Circumferential	NV	CN-2554-1.2				0.237		
Class B			CNM-1205.00-166		Valve Body to Bonnet				
C06.020.015	2NV-813			NDE-35	PT	SS	8.000		Valve Body Weld
	Circumferential	NV	CN-2554-1.7				0.477		
Class B			CNM-1205.00-152		Valve Body to Bonnet				
Total C06.020 Items:		3							
Total C06 Items:		3							

**CATEGORY D-B, Systems In Support Of ECC,
CHR, Atmos. Cleanup, And Reactor RHR**

Integral Attachment

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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****** Component Supports and Restraints ******

D02.020.008	2-R-KC-0323		CN-2492-KC088	QAL-14	VT-3	NA	6.000		Welded Attachment
	Rigid Support	KC	CN-2573-1.0				0.750		To Be Done With F01.031.054
Class C									

D02.020.010	2-R-KC-1583		CN-2491-KC168	QAL-14	VT-3	NA	8.000		Welded Attachment
	Rigid Support	KC	CN-2573-1.4				1.500		To Be Done With F01.031.065
Class C									

D02.020.011	2-R-KC-1661		CN-2491-KC141	QAL-14	VT-3	NA	6.000		Welded Attachment
	Rigid Support	KC	CN-2573-1.4				0.906		To Be Done With F01.031.066
Class C									

D02.020.016	2-R-SA-0008		CN-2492-SA001	QAL-14	VT-3	NA	6.000		Welded Attachment
	Rigid Support	SA	CN-2593-1.1				0.750		To Be Done With F01.030.191
Class C									

Total D02.020 Items: 4

**CATEGORY D-B, Systems In Support Of ECC,
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**** Spring Type Supports ****									
D02.040.001	2-R-CA-0204		CN-2492-CA040	QAL-14	VT-3	NA	6.000		Welded Attachment
	Spring Hgr	CA	CN-2592-1.0				0.500		To Be Done With F01.032.001
Class C									

Total D02.040 Items: 1**Total D02 Items: 5**

CATEGORY F-A, Supports

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****** One-Directional ******

F01.010.031	2-R-ND-1011		CN-2491-ND003	QAL-14	VT-3	NA	12.000		
	Rigid Support	ND	CN-2561-1.0				0.000		

Class A

F01.010.032	2-R-ND-1012		CN-2491-ND003	QAL-14	VT-3	NA	12.000		
	Rigid Support	ND	CN-2561-1.0				0.000		

Class A

F01.010.054	2-R-NI-1533		CN-2491-NI115	QAL-14	VT-3	NA	6.000		
	Rigid Support	NI	CN-2562-1.1				0.000		

Class A

F01.010.055	2-R-NI-1693		CN-2491-NI115	QAL-14	VT-3	NA	10.000		
	Rigid Support	NI	CN-2562-1.1				0.000		

Class A

F01.010.056	2-R-NI-1696		CN-2491-NI115	QAL-14	VT-3	NA	6.000		
	Rigid Support	NI	CN-2562-1.1				0.000		

Class A

F01.010.097	2-R-NV-1056		CN-2491-NV100	QAL-14	VT-3	NA	2.000		
	Rigid Support	NV	CN-2554-1.5				0.000		

Class A

F01.010.098	2-R-NV-1057		CN-2491-NV100	QAL-14	VT-3	NA	2.000		
	Rigid Support	NV	CN-2554-1.5				0.000		

Class A

Total F01.010 Items:	7
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****** Multidirectional ******

F01.011.091	2-R-NV-1000		CN-2491-NV100	QAL-14	VT-3	NA	1.500		
	Rigid Support	NV	CN-2554-1.5				0.000		

Class A

CATEGORY F-A, Supports

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F01.012.055	2-R-NI-1695		CN-2491-NI115	QAL-14	VT-3	NA	6.000		
	Spring Hgr	NI	CN-2562-1.1				0.000		
Class A									
F01.012.092	2-R-NV-1114		CN-2491-NV104	QAL-14	VT-3	NA	2.000		
	Mech Snubber	NV	CN-2554-1.5				0.000		
Class A									
F01.012.093	2-R-NV-1115		CN-2491-NV104	QAL-14	VT-3	NA	2.000		
	Mech Snubber	NV	CN-2554-1.5				0.000		
Class A									
Total F01.012 Items:		8							

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** One-Directional ****									
F01.020.007	2-R-CA-1029		CN-2491-CA014	QAL-14	VT-3	NA	6.000		
	Rigid Support	CA	CN-2592-1.1				0.000		
	Class B								
F01.020.022	2-R-FW-0078		CN-2492-FW008	QAL-14	VT-3	NA	12.000		
	Rigid Support	FW	CN-2571-1.0				0.000		
	Class B								
F01.020.023	2-R-FW-0079		CN-2492-FW008	QAL-14	VT-3	NA	12.000		
	Rigid Support	FW	CN-2571-1.0				0.000		
	Class B								
F01.020.024	2-R-FW-0081		CN-2492-FW008	QAL-14	VT-3	NA	12.000		
	Rigid Support	FW	CN-2571-1.0				0.000		
	Class B								
F01.020.025	2-R-FW-0082		CN-2492-FW008	QAL-14	VT-3	NA	12.000		
	Rigid Support	FW	CN-2571-1.0				0.000		
	Class B								
F01.020.026	2-R-FW-0011		CN-2492-FW041	QAL-14	VT-3	NA	24.000		
	Rigid Support	FW	CN-2571-1.0				0.000		
	Class B								
F01.020.071	2-R-NI-0066		CN-2492-NI013	QAL-14	VT-3	NA	8.000		
	Rigid Support	NI	CN-2562-1.2				0.000		
	Class B								
F01.020.072	2-R-NI-0067		CN-2492-NI013	QAL-14	VT-3	NA	6.000		
	Rigid Support	NI	CN-2562-1.2				0.000		
	Class B								

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.020.161	2-A-NV-3788 Rigid Support	NV	CN-2492-NV049 CN-2554-1.1	QAL-14	VT-3 NA	4.000 0.000	
Class B							
F01.020.201	2-R-SM-1017 Rigid Support	SM	CN-2491-SM010 CN-2593-1.0	QAL-14	VT-3 NA	42.000 0.000	
Class B							
F01.020.202	2-R-SM-1019 Rigid Support	SM	CN-2491-SM010 CN-2593-1.0	QAL-14	VT-3 NA	34.000 0.000	
Class B							
F01.020.203	2-R-SM-1027 Rigid Support	SM	CN-2491-SM011 CN-2593-1.0	QAL-14	VT-3 NA	42.000 0.000	
Class B							
F01.020.204	2-R-SM-1028 Rigid Support	SM	CN-2491-SM011 CN-2593-1.0	QAL-14	VT-3 NA	34.000 0.000	
Class B							
F01.020.221	2-R-SV-1606 Rigid Support	SV	CN-2491-SV007 CN-2593-1.0	QAL-14	VT-3 NA	6.000 0.000	
Class B							
F01.020.222	2-R-SV-1608 Rigid Support	SV	CN-2491-SV007 CN-2593-1.0	QAL-14	VT-3 NA	6.000 0.000	
Class B							
Total F01.020 Items:		24					
**** Multidirectional ****							
F01.021.022	2-R-FW-0096 Rigid Support	FW	CN-2492-FW008 CN-2571-1.0	QAL-14	VT-3 NA	8.000 0.000	
Class B							

CATEGORY F-A, Supports

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CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.022.063	2-R-NI-0070		CN-2492-NI013	QAL-14	VT-3	NA	6.000		
	Spring Hgr	NI	CN-2562-1.2				0.000		
Class B									
F01.022.145	2-R-NV-0323		CN-2492-NV073	QAL-14	VT-3	NA	4.000		
	Mech Snubber	NV	CN-2554-1.7				0.000		
Class B									
F01.022.209	2-R-SM-1010		CN-2491-SM010	QAL-14	VT-3	NA	42.000		
	Mech Snubber	SM	CN-2593-1.0				0.000		
Class B									
F01.022.210	2-R-SM-1011		CN-2491-SM010	QAL-14	VT-3	NA	42.000		
	Mech Snubber	SM	CN-2593-1.0				0.000		
Class B									
Total F01.022 Items:		8							

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** One-Directional ****									
F01.030.007	2-R-CA-0226		CN-2492-CA046	QAL-14	VT-3	NA		4.000	
	Rigid Support	CA	CN-2592-1.1					0.000	
Class C									
F01.030.008	2-R-CA-0228		CN-2492-CA046	QAL-14	VT-3	NA		4.000	
	Rigid Support	CA	CN-2592-1.1					0.000	
Class C									
F01.030.009	2-R-CA-0229		CN-2492-CA046	QAL-14	VT-3	NA		4.000	
	Rigid Support	CA	CN-2592-1.1					0.000	
Class C									
F01.030.067	2-R-KC-0080		CN-2492-KC080	QAL-14	VT-3	NA		12.000	
	Rigid Support	KC	CN-2573-1.2					0.000	
Class C									
F01.030.068	2-R-KC-0082		CN-2492-KC080	QAL-14	VT-3	NA		12.000	
	Rigid Support	KC	CN-2573-1.2					0.000	
Class C									
F01.030.069	2-R-KC-0090		CN-2492-KC080	QAL-14	VT-3	NA		14.000	
	Rigid Support	KC	CN-2573-1.2					0.000	
Class C									
F01.030.070	2-R-KC-0040		CN-2492-KC088	QAL-14	VT-3	NA		6.000	
	Rigid Support	KC	CN-2573-1.0					0.000	
Class C									
F01.030.071	2-R-KC-0318		CN-2492-KC088	QAL-14	VT-3	NA		6.000	
	Rigid Support	KC	CN-2573-1.0					0.000	
Class C									

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F01.030.163	2-R-RN-0032		CN-2492-RN139	QAL-14	VT-3	NA	18.000		
	Rigid Support	RN	CN-2574-2.0				0.000		
Class C									
F01.030.191	2-R-SA-0008		CN-2492-SA001	QAL-14	VT-3	NA	6.000		To Be Done With D02.020.016
	Rigid Support	SA	CN-2593-1.1				0.000		
Class C									
F01.030.223	2-R-VN-0073		CN-2493-VN003	QAL-14	VT-3	NA	30.000		
	Rigid Support	VN	CN-2609-5.0				0.000		
Class C									
F01.030.224	2-R-VN-0074		CN-2493-VN003	QAL-14	VT-3	NA	30.000		
	Rigid Support	VN	CN-2609-5.0				0.000		
Class C									
F01.030.225	2-R-VN-0075		CN-2493-VN003	QAL-14	VT-3	NA	30.000		
	Rigid Support	VN	CN-2609-5.0				0.000		
Class C									
Total F01.030 Items:		22							
**** Multidirectional ****									
F01.031.011	2-R-CA-0106		CN-2492-CA035	QAL-14	VT-3	NA	4.000		
	Rigid Support	CA	CN-2592-1.0				0.000		
Class C									
F01.031.012	2-R-CA-0118		CN-2492-CA035	QAL-14	VT-3	NA	4.000		
	Rigid Support	CA	CN-2592-1.0				0.000		
Class C									
F01.031.013	2-R-CA-0121		CN-2492-CA036	QAL-14	VT-3	NA	4.000		
	Rigid Support	CA	CN-2592-1.1				0.000		
Class C									

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.031.014	2-R-CA-0124		CN-2492-CA036	QAL-14	VT-3	NA	4.000		
	Rigid Support	CA	CN-2592-1.1				0.000		
Class C									
F01.031.054	2-R-KC-0323		CN-2492-KC088	QAL-14	VT-3	NA	6.000		To Be Done With D02.020.008
	Rigid Support	KC	CN-2573-1.0				0.000		
Class C									
F01.031.055	2-R-KC-0211		CN-2492-KC098	QAL-14	VT-3	NA	16.000		
	Rigid Support	KC	CN-2573-2.1				0.000		
Class C									
F01.031.056	2-R-KC-0198		CN-2492-KC100	QAL-14	VT-3	NA	16.000		
	Rigid Support	KC	CN-2573-2.0				0.000		
Class C									
F01.031.065	2-R-KC-1583		CN-2491-KC168	QAL-14	VT-3	NA	8.000		To Be Done With D02.020.010
	Rigid Support	KC	CN-2573-1.4				0.000		
Class C									
F01.031.066	2-R-KC-1661		CN-2491-KC141	QAL-14	VT-3	NA	6.000		To Be Done With D02.020.011
	Rigid Support	KC	CN-2573-1.4				0.000		
Class C									
F01.031.191	2-R-SA-0014		CN-2492-SA001	QAL-14	VT-3	NA	6.000		
	Rigid Support	SA	CN-2593-1.1				0.000		
Class C									
Total F01.031 Items: 10									
**** Thermal Movement ****									
F01.032.001	2-R-CA-0204		CN-2492-CA040	QAL-14	VT-3	NA	6.000		To Be Done With D02.040.001
	Spring Hgr	CA	CN-2592-1.0				0.000		
Class C									

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.032.103	2-R-KD-0025		CN-2493-KD042	QAL-14	VT-3	NA	8.000		
	Spring Hgr	KD	CN-2609-1.0				0.000		
Class C									
F01.032.191	2-R-SA-0018		CN-2492-SA001	QAL-14	VT-3	NA	6.000		
	Mech Snubber	SA	CN-2593-1.1				0.000		
Class C									
Total F01.032 Items: 3									

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.214	2LDCA-SUPPORT		CN-2609-2.0	QAL-14	VT-3	NA	0.000		Diesel Gen. Engine Lube Oil Cooler 2A Support
	Rigid Support		CNM 1301.00-237				0.000		2 Saddle Supports
Class C									
F01.040.215	2LDFA-SUPPORT		CN-2609-2.0	QAL-14	VT-3	NA	0.000		Diesel Gen. Engine Lube Oil Filter 2A Support
	Rigid Support	LD	CNM 1301.00-140				0.000		
Class C									
F01.040.216	2LDSA1-SUPPORT		CN-2609-2.0	QAL-14	VT-3	NA	0.000		Diesel Gen. Engine Lube Oil Strainer 2A1 Support
	Rigid Support	LD	CNM 1301.00-320				0.000		
Class C									
F01.040.217	2LDSTA-SUPPORT		CN-2609-2.0	QAL-14	VT-3	NA	0.000		Diesel Gen. Engine Lube Oil Sump Tank 2A Support
	Rigid Support	LD	CNM 1301.00-268				0.000		2 Saddle Supports
Class C									
F01.040.218	2LDPOSA-SUPPORT		CN-2609-2.0	QAL-14	VT-3	NA	0.000		Diesel Gen. Engine Prelube Oil Strainer 2A
	Rigid Support		CNM 1301.00-237				0.000		Support
Class C									4 Stiffners
F01.040.220	2DGEIAFA1-SUPPORT		CN-2609-5.0	QAL-14	VT-3	NA	0.000		Diesel Gen. Engine Intake Air Filter 2A1
	Rigid Support	VN	CNM 1301.00-130				0.000		4 Support Pads
Class C									
Total F01.040 Items:			14						
Total F01 Items:			114						

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Pipe Rupture Protection

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL	BLOCKS	COMMENTS
**** Main Steam System ****										
G02.001.012	2SM44-01		CN-2SM-044	NDE-600	UT	CS	34.000	*		* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
Class B		SM	CN-2593-1.0		Penetration to Pipe		1.375	40415		
G02.001.012A	2SM44-01		CN-2SM-044	NDE-25	MT	CS	34.000			
Class B		SM	CN-2593-1.0		Penetration to Pipe		1.375			
G02.001.013	2SM-4D-C		CN-2SM-044	NDE-600	UT	CS	34.000	*		Grinnell Piece Mark CW-SM-4D Weld C * Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
Class B		SM	CN-2593-1.0		Pipe to 90 Degree Elbow		1.375	40415		
G02.001.013A	2SM-4D-C		CN-2SM-044	NDE-25	MT	CS	34.000			Grinnell Piece Mark CW-SM-4D Weld C
Class B		SM	CN-2593-1.0		Pipe to 90 Degree Elbow		1.375			
G02.001.014	2SM-4D-B		CN-2SM-044	NDE-600	UT	CS	34.000	*		Grinnell Piece Mark CW-SM-4D Weld B * Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
Class B		SM	CN-2593-1.0		90 Degree Elbow to Pipe		1.375	40415		
G02.001.014A	2SM-4D-B		CN-2SM-044	NDE-25	MT	CS	34.000			Grinnell Piece Mark CW-SM-4D Weld B
Class B		SM	CN-2593-1.0		90 Degree Elbow to Pipe		1.375			
G02.001.015	2SM-4D-A		CN-2SM-044	NDE-600	UT	CS	34.000	*		Grinnell Piece Mark CW-SM-4D Weld A * Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
Class B		SM	CN-2593-1.0		Pipe to 90 Degree Elbow		1.375	40415		

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.015A	2SM-4D-A		CN-2SM-044	NDE-25	MT	CS	34.000		Grinnell Piece Mark CW-SM-4D Weld A
		SM	CN-2593-1.0				1.375		
Class B					Pipe to 90 Degree Elbow				
G02.001.016	2SM44-03		CN-2SM-044	NDE-600	UT	CS	34.000	*	* Reference General Requirements Section 8.1.10
		SM	CN-2593-1.0				1.750		Depending on the examiners qualifications,
Class B					90 Degree Elbow to Pipe				Procedure PDI-UT-1 may be used in lieu of
									NDE-600. If PDI-UT-1 is used, Calibration Block
									PDI-UT-1-C may be used.
G02.001.016A	2SM44-03		CN-2SM-044	NDE-25	MT	CS	34.000		
		SM	CN-2593-1.0				1.750		
Class B					90 Degree Elbow to Pipe				
G02.001.017	2SM46-01		CN-2SM-046	NDE-600	UT	CS	34.000	*	* Reference General Requirements Section 8.1.10
		SM	CN-2593-1.0				1.750		Depending on the examiners qualifications,
Class B					Pipe to 90 Degree Elbow				Procedure PDI-UT-1 may be used in lieu of
									NDE-600. If PDI-UT-1 is used, Calibration Block
									PDI-UT-1-C may be used.
G02.001.017A	2SM46-01		CN-2SM-046	NDE-25	MT	CS	34.000		
		SM	CN-2593-1.0				1.750		
Class B					Pipe to 90 Degree Elbow				
G02.001.018	2SM-6D-A		CN-2SM-046	NDE-600	UT	CS	34.000	*	Grinnell Piece Mark CW-SM-6D Weld A
		SM	CN-2593-1.0				1.750		* Reference General Requirements Section 8.1.10
Class B					90 Degree Elbow to Pipe				Depending on the examiners qualifications,
									Procedure PDI-UT-1 may be used in lieu of
									NDE-600. If PDI-UT-1 is used, Calibration Block
									PDI-UT-1-C may be used.
G02.001.018A	2SM-6D-A		CN-2SM-046	NDE-25	MT	CS	34.000		Grinnell Piece Mark CW-SM-6D Weld A
		SM	CN-2593-1.0				1.750		
Class B					90 Degree Elbow to Pipe				
G02.001.019	2SM46-02		CN-2SM-046	NDE-600	UT	CS	34.000	*	* Reference General Requirements Section 8.1.10
		SM	CN-2593-1.0				2.375		
Class B					Pipe to Pipe				

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.019A	2SM46-02		CN-2SM-046	NDE-25	MT	CS	34.000	
		SM	CN-2593-1.0		Pipe to Pipe		2.375	
Class B								
G02.001.020	2SM-7D-A		CN-2SM-046	NDE-600	UT	CS	34.000	*
		SM	CN-2593-1.0		Pipe to Pipe		2.375	Grinnell Piece Mark CW-SM-7D Weld A * Reference General Requirements Section 8.1.10
Class B								
G02.001.020A	2SM-7D-A		CN-2SM-046	NDE-25	MT	CS	34.000	
		SM	CN-2593-1.0		Pipe to Pipe		2.375	Grinnell Piece Mark CW-SM-7D Weld A
Class B								
G02.001.021	2SM46-07		CN-2SM-046	NDE-600	UT	CS	34.000	*
		SM	CN-2593-1.0		Pipe to Valve		2.375	* Reference General Requirements Section 8.1.10
Class B								
G02.001.021A	2SM46-07		CN-2SM-046	NDE-25	MT	CS	34.000	
		SM	CN-2593-1.0		Pipe to Valve		2.375	
Class B								
G02.001.022	2SM48-01		CN-2SM-048	NDE-600	UT	CS	34.000	*
		SM	CN-2593-1.0		Pipe to Valve		2.375	* Reference General Requirements Section 8.1.10
Class B								
G02.001.022A	2SM48-01		CN-2SM-048	NDE-25	MT	CS	34.000	
		SM	CN-2593-1.0		Pipe to Valve		2.375	
Class B								
Total G02.001 Items:	22							
Total G02 Items:	22							

4.0 Results Of Inspections Performed

The results of each examination shown in the final Inservice Inspection Plan (Section 3.0 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
SYSTEM	=	Component System Identification
INSP DATE	=	Date of Examination
INSP STATUS	=	CLR Clear REC Recordable REP Reportable
INSP LIMITED	=	Indicates inspection was limited. Coverage obtained is listed.
GEO REF (Geometric Reflector applies only to UT)	=	<u>Y</u> Yes <u>N</u> No
RFR (Relief Request)	=	<u>Y</u> Yes <u>N</u> No
COMMENTS	=	General and / or Detail Description

4.1 Reportable Indications

A reportable indication was detected during EOC13 on the 2C Steam Generator to Hot Leg Weld (Weld ID 2SGC-INLET-SE & 2NC13-02, ISI Item Numbers B05.070.005 % B05.130.010 respectively). The flaw has been shown as acceptable, based on an analytical evaluation (Calculation CNC-2201.01-00-0006, entitled Evaluation of 2EOC13 ISI Flaw in SG2C to Hot Leg Weld), allowed by ASME Section XI, IWB-3132.4. Successive examinations for the 2C Steam Generator Hot Leg Weld (ID Number 2SGC-INLET-SE & 2NC13-02) have been scheduled, as required by ASME Section XI, Paragraph IWB-2420(b) for the next three inspection periods.

In addition, the inspection sample was expanded in accordance with ASME Section XI, Paragraph IWB-2430(a) to include the remaining nozzle-to-safe end welds on 2A, 2B and 2D Steam Generators. Radiography performed in EOC13 showed no other reportable indications.

A copy of the inspection data sheets for Weld ID Numbers 2SGC-INLET-SE & 2NC13-02 (Item Numbers B05.070.005 and B05.130.010 respectively), are included in this section of the report. A copy of Calculation CNC-2201.01-00-0006 is on file at Catawba Nuclear Station.

4.2 Corrective Action

Corrective action is action taken to resolve flaws and relevant conditions, including supplemental examinations, analytical evaluations, repair / replacement activities, and corrective measures.

PIP C-04-05421 was written to document a 1 inch linear indication found by radiography in the 2C Steam Generator Hot Leg Nozzle Weld (ID Number 2SGC-INLET-SE & 2NC13-02, Item Numbers B05.070.005 and B05.130.010, respectively). A copy of PIP C-04-05421 is included in this section of the report.

4.3 Corrective Measures

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

4.4 Limited Examinations

Limitations (i.e. 90% or less of the required examination coverage obtained) identified for examinations associated with this report period are shown below. A relief request will be submitted to seek NRC acceptance of the limited coverage. This information will be on file at The Duke Energy Corporate Office in Charlotte, North Carolina. Reference Subsection 1.3 for additional information.

<u>Item Number</u>	<u>Relief Request Serial Numbers</u>
B01.011.001	To be filed later
B01.012.007	To be filed later
B01.012.008	To be filed later
B01.012.009	To be filed later
B01.021.001	To be filed later
B03.110.003	To be filed later
B03.110.004	To be filed later
B03.110.005	To be filed later
B03.140.001	To be filed later
B03.140.002	To be filed later
B03.140.007	To be filed later
B03.140.008	To be filed later
C01.010.002	To be filed later
C05.011.032	To be filed later
C05.021.241	To be filed later

4.5 Examinations not Performed (Request for Relief)

Regenerative Heat Exchanger Shell-to-Head Welds and Tubesheet-to-Shell Welds required by Table IWC-2500-1 were not performed during EOC13, because of high radiation conditions. Request for Relief Serial No. 03-001, referenced in Section 1.3 of this report, was filed with the NRC on May 22, 2003.

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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Catawba 2 Inservice Inspection Listing

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EOC 13
Plant: Catawba 2

Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
B01.011.001	2RPV-101-141	NC	09/26/2004	CLR	76.80%	N	Y	Request for Relief will be filed for the limitation
B01.011.002	2RPV-101-171	NC	09/25/2004	REC	---	N	N	
B01.011.003	2RPV-103-121	NC	09/25/2004	CLR	---	N	N	
B01.012.001	2RPV-101-122A	NC	09/28/2004	CLR	---	N	N	
B01.012.002	2RPV-101-122B	NC	09/28/2004	CLR	---	N	N	
B01.012.003	2RPV-101-122C	NC	09/28/2004	CLR	---	N	N	
B01.012.004	2RPV-101-124A	NC	09/25/2004	CLR	---	N	N	
B01.012.005	2RPV-101-124B	NC	09/25/2004	REC	---	N	N	
B01.012.006	2RPV-101-124C	NC	09/25/2004	CLR	---	N	N	
B01.012.007	2RPV-101-142A	NC	09/25/2004	REC	77.80%	N	Y	Request for Relief will be filed for the limitation
B01.012.008	2RPV-101-142B	NC	09/25/2004	CLR	77.80%	N	Y	Request for Relief will be filed for the limitation
B01.012.009	2RPV-101-142C	NC	09/25/2004	CLR	77.80%	N	Y	Request for Relief will be filed for the limitation
B01.021.001	2RPV-101-151	NC	09/26/2004	CLR	53.30%	N	Y	Request for Relief will be filed for the limitation
B01.022.005	2RPV-101-154A	NC	09/26/2004	CLR	---	N	N	
B01.022.006	2RPV-101-154B	NC	09/26/2004	CLR	---	N	N	
B01.022.007	2RPV-101-154C	NC	09/26/2004	CLR	---	N	N	
B01.022.008	2RPV-101-154D	NC	09/26/2004	CLR	---	N	N	
B01.030.001	2RPV-101-121	NC	09/30/2004	CLR	---	N	N	
B02.012.002	2PZR-W9D	NC	09/24/2004	CLR	---	N	N	
B02.040.001	2SGA-01-02	NC	09/19/2004	CLR	---	Y	N	
B03.090.001	2RPV-105-121B	NC	09/27/2004	CLR	---	N	N	
B03.090.001A	2RPV-105-121B	NC	09/26/2004	CLR	---	N	N	
B03.090.002	2RPV-105-121A	NC	09/27/2004	CLR	---	N	N	
B03.090.002A	2RPV-105-121A	NC	09/27/2004	CLR	---	N	N	
B03.090.003	2RPV-105-121D	NC	09/26/2004	CLR	---	N	N	
B03.090.003A	2RPV-105-121D	NC	09/26/2004	CLR	---	N	N	
B03.090.004	2RPV-105-121C	NC	09/26/2004	REC	---	N	N	
B03.090.004A	2RPV-105-121C	NC	09/26/2004	CLR	---	N	N	
B03.090.005	2RPV-107-121B	NC	09/27/2004	CLR	---	N	N	
B03.090.005A	2RPV-107-121B	NC	09/26/2004	CLR	---	N	N	
B03.090.006	2RPV-107-121A	NC	09/27/2004	CLR	---	N	N	
B03.090.006A	2RPV-107-121A	NC	09/26/2004	CLR	---	N	N	
B03.090.007	2RPV-107-121D	NC	09/27/2004	CLR	---	N	N	
B03.090.007A	2RPV-107-121D	NC	09/25/2004	CLR	---	N	N	
B03.090.008	2RPV-107-121C	NC	09/27/2004	REC	---	N	N	
B03.090.008A	2RPV-107-121C	NC	09/26/2004	CLR	---	N	N	

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B03.100.001	2RPV-105-121B	NC	09/23/2004	CLR	---	N	N	
B03.100.002	2RPV-105-121A	NC	09/23/2004	CLR	---	N	N	
B03.100.003	2RPV-105-121D	NC	09/23/2004	CLR	---	N	N	
B03.100.004	2RPV-105-121C	NC	09/23/2004	CLR	---	N	N	
B03.100.005	2RPV-107-121B	NC	09/22/2004	CLR	---	N	N	
B03.100.006	2RPV-107-121A	NC	09/22/2004	CLR	---	N	N	
B03.100.007	2RPV-107-121D	NC	09/22/2004	CLR	---	N	N	
B03.100.008	2RPV-107-121C	NC	09/23/2004	CLR	---	N	N	
B03.110.003	2PZR-W3	NC	09/24/2004	CLR	79.21%	N	Y	Request for Relief will be filed for the limitation
B03.110.004	2PZR-W4A	NC	09/24/2004	CLR	79.21%	N	Y	Request for Relief will be filed for the limitation.
B03.110.005	2PZR-W4B	NC	09/24/2004	CLR	79.21%	N	Y	Request for Relief will be filed for the limitation
B03.120.003	2PZR-W3	NC	09/23/2004	CLR	---	N	N	
B03.120.004	2PZR-W4A	NC	09/23/2004	CLR	---	N	N	
B03.120.005	2PZR-W4B	NC	09/23/2004	CLR	---	N	N	
B03.140.001A	2SGA-INLET	NC	10/11/2004	CLR	---	N	N	A supplemental UT scan was performed during EOC13 for ID 2SGA-INLET, as a follow-up commitment by Duke Power, for the 66.74% UT coverage limitation recorded during EOC12 (Item Number B03.140.001).
B03.140.002A	2SGA-OUTLET	NC	10/11/2004	CLR	---	N	N	A request for relief will be filed after EOC13 refueling outage to record the EOC12 coverage limitation, to include the results of the supplemental UT examination performed during EOC13. A supplemental UT scan was performed during EOC13 for ID 2SGA-OUTLET, as a follow-up commitment by Duke Power, for the 66.74% UT coverage limitation recorded during EOC12 (Item Number B03.140.002).
B03.140.005	2SGC-INLET	NC	09/18/2004	CLR	---	N	N	A request for relief will be filed after EOC13 refueling outage to record the EOC12 coverage limitation, to include the results of the supplemental UT examination performed during EOC13.
B03.140.006	2SGC-OUTLET	NC	09/18/2004	CLR	---	N	N	
B03.140.007A	2SGD-INLET	NC	10/11/2004	CLR	---	N	N	A supplemental UT scan was performed during EOC13 for ID 2SGD-INLET, as a follow-up commitment by Duke Power, for the 66.74% UT coverage limitation recorded during EOC12 (Item Number B03.140.007).

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B03.140.008A	2SGD-OUTLET	NC	10/11/2004	CLR	---	N	N	A request for relief will be filed after EOC13 refueling outage to record the EOC12 coverage limitation, to include the results of the supplemental UT examination performed during EOC13. A supplemental UT scan was performed during EOC13 for ID 2SGD-OUTLET, as a follow-up commitment by Duke Power, for the 66.74% UT coverage limitation recorded during EOC12 (Item Number B03.140.008).
B05.010.001	2RPV-201-121BSE	NC	09/24/2004	CLR	---	N	N	A request for relief will be filed after EOC13 refueling outage to record the EOC12 coverage limitation, to include the results of the supplemental UT examination performed during EOC13.
B05.010.001A	2RPV-201-121BSE	NC	09/24/2004	CLR	---	N	N	
B05.010.002	2RPV-201-121ASE	NC	09/25/2004	CLR	---	N	N	
B05.010.002A	2RPV-201-121ASE	NC	09/25/2004	CLR	---	N	N	
B05.010.003	2RPV-201-121DSE	NC	09/25/2004	CLR	---	N	N	
B05.010.003A	2RPV-201-121DSE	NC	09/25/2004	CLR	---	N	N	
B05.010.004	2RPV-201-121CSE	NC	09/25/2004	CLR	---	N	N	
B05.010.004A	2RPV-201-121CSE	NC	09/25/2004	CLR	---	N	N	
B05.010.005	2RPV-202-121BSE	NC	09/25/2004	CLR	---	N	N	
B05.010.005A	2RPV-202-121BSE	NC	09/25/2004	CLR	---	N	N	
B05.010.006	2RPV-202-121ASE	NC	09/25/2004	CLR	---	N	N	
B05.010.006A	2RPV-202-121ASE	NC	09/25/2004	CLR	---	N	N	
B05.010.007	2RPV-202-121DSE	NC	09/24/2004	CLR	---	N	N	
B05.010.007A	2RPV-202-121DSE	NC	09/24/2004	CLR	---	N	N	
B05.010.008	2RPV-202-121CSE	NC	09/25/2004	CLR	---	N	N	
B05.010.008A	2RPV-202-121CSE	NC	09/25/2004	CLR	---	N	N	
B05.040.003	2PZR-W3SE	NC	09/24/2004	CLR	---	N	N	
B05.040.003A	2PZR-W3SE	NC	09/22/2004	CLR	---	N	N	
B05.040.004	2PZR-W4ASE	NC	09/24/2004	CLR	---	N	N	
B05.040.004A	2PZR-W4ASE	NC	09/22/2004	CLR	---	N	N	
B05.040.005	2PZR-W4BSE	NC	09/24/2004	CLR	---	N	N	
B05.040.005A	2PZR-W4BSE	NC	09/22/2004	CLR	---	N	N	
B05.070.001	2SGA-INLET-SE	NC	10/07/2004	REC	---	N	N	
B05.070.002	2SGA-OUTLET-SE	NC	10/07/2004	REC	---	N	N	
B05.070.003	2SGB-INLET-SE	NC	10/08/2004	CLR	---	N	N	
B05.070.003A	2SGB-INLET-SE	NC	10/10/2004	CLR	---	N	N	

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B05.070.004	2SGB-OUTLET-SE	NC	10/08/2004	REC	---	N	N	
B05.070.004A	2SGB-OUTLET-SE	NC	10/10/2004	CLR	---	N	N	
B05.070.005	2SGC-INLET-SE	NC	10/09/2004	REP	---	N	N	Reference PIP# C-04-05421 in Section 1.0
B05.070.005A	2SGC-INLET-SE	NC	09/19/2004	CLR	---	N	N	
B05.070.006	2SGC-OUTLET-SE	NC	10/07/2004	REC	---	N	N	
B05.070.006A	2SGC-OUTLET-SE	NC	09/19/2004	CLR	---	N	N	
B05.070.007	2SGD-INLET-SE	NC	10/08/2004	REC	---	N	N	
B05.070.008	2SGD-OUTLET-SE	NC	10/08/2004	REC	---	N	N	
B05.130.001	2NC11-01	NC	09/25/2004	CLR	---	N	N	
B05.130.001A	2NC11-01	NC	09/25/2004	CLR	---	N	N	
B05.130.002	2NC9-02	NC	10/07/2004	REC	---	N	N	
B05.130.003	2NC9-03	NC	10/07/2004	REC	---	N	N	
B05.130.004	2NC11-08	NC	09/24/2004	CLR	---	N	N	
B05.130.004A	2NC11-08	NC	09/24/2004	CLR	---	N	N	
B05.130.005	2NC9-01	NC	09/25/2004	CLR	---	N	N	
B05.130.005A	2NC9-01	NC	09/25/2004	CLR	---	N	N	
B05.130.006	2NC11-02	NC	10/08/2004	REC	---	N	N	
B05.130.006A	2NC11-02	NC	10/10/2004	CLR	---	N	N	
B05.130.007	2NC11-03	NC	10/08/2004	REC	---	N	N	
B05.130.007A	2NC11-03	NC	10/10/2004	CLR	---	N	N	
B05.130.008	2NC9-08	NC	09/25/2004	CLR	---	N	N	
B05.130.008A	2NC9-08	NC	09/25/2004	CLR	---	N	N	
B05.130.009	2NC15-01	NC	09/24/2004	CLR	---	N	N	
B05.130.009A	2NC15-01	NC	09/24/2004	CLR	---	N	N	
B05.130.010	2NC13-02	NC	10/09/2004	REP	---	N	N	Reference PIP# C-04-05421 in Section 1.0.
B05.130.010A	2NC13-02	NC	09/19/2004	CLR	---	N	N	
B05.130.011	2NC13-03	NC	10/07/2004	REC	---	N	N	
B05.130.011A	2NC13-03	NC	09/19/2004	CLR	---	N	N	
B05.130.012	2NC15-08	NC	09/25/2004	CLR	---	N	N	
B05.130.012A	2NC15-08	NC	09/25/2004	CLR	---	N	N	
B05.130.013	2NC13-01	NC	09/25/2004	CLR	---	N	N	
B05.130.013A	2NC13-01	NC	09/25/2004	CLR	---	N	N	
B05.130.014	2NC15-02	NC	10/08/2004	REC	---	N	N	
B05.130.015	2NC15-03	NC	10/08/2004	REC	---	N	N	
B05.130.016	2NC13-08	NC	09/25/2004	CLR	---	N	N	
B05.130.016A	2NC13-08	NC	09/25/2004	CLR	---	N	N	

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B06.010.037	2RPV-179-102-37	NC	09/24/2004	CLR	---	N	N	
B06.010.038	2RPV-179-102-38	NC	09/22/2004	CLR	---	N	N	
B06.010.039	2RPV-179-102-39	NC	09/22/2004	CLR	---	N	N	
B06.010.040	2RPV-179-102-40	NC	09/22/2004	CLR	---	N	N	
B06.010.041	2RPV-179-102-41	NC	09/24/2004	CLR	---	N	N	
B06.010.042	2RPV-179-102-42	NC	09/24/2004	CLR	---	N	N	
B06.010.043	2RPV-179-102-43	NC	09/24/2004	CLR	---	N	N	
B06.010.044	2RPV-179-102-44A	NC	09/22/2004	CLR	---	N	N	
B06.010.045	2RPV-179-102-45	NC	09/22/2004	CLR	---	N	N	
B06.010.046	2RPV-179-102-46	NC	09/22/2004	CLR	---	N	N	
B06.010.047	2RPV-179-102-47	NC	09/22/2004	CLR	---	N	N	
B06.010.048	2RPV-179-102-48	NC	09/22/2004	CLR	---	N	N	
B06.010.049	2RPV-179-102-49	NC	09/22/2004	CLR	---	N	N	
B06.010.050	2RPV-179-102-50	NC	09/24/2004	CLR	---	N	N	
B06.010.051	2RPV-179-102-51	NC	09/24/2004	CLR	---	N	N	
B06.010.052	2RPV-179-102-52	NC	09/24/2004	CLR	---	N	N	
B06.010.053	2RPV-179-102-53	NC	09/24/2004	CLR	---	N	N	
B06.010.054	2RPV-179-102-54	NC	09/24/2004	CLR	---	N	N	
B06.030.037	2RPV-179-101-37	NC	09/24/2004	CLR	---	N	N	
B06.030.037A	2RPV-179-101-37	NC	09/24/2004	CLR	---	N	N	
B06.030.038	2RPV-179-101-38	NC	09/22/2004	CLR	---	N	N	
B06.030.038A	2RPV-179-101-38	NC	09/22/2004	CLR	---	N	N	
B06.030.039	2RPV-179-101-39	NC	09/22/2004	CLR	---	N	N	
B06.030.039A	2RPV-179-101-39	NC	09/22/2004	CLR	---	N	N	
B06.030.040	2RPV-179-101-40	NC	09/22/2004	CLR	---	N	N	
B06.030.040A	2RPV-179-101-40	NC	09/22/2004	CLR	---	N	N	
B06.030.041	2RPV-179-101-41	NC	09/24/2004	CLR	---	N	N	
B06.030.041A	2RPV-179-101-41	NC	09/24/2004	CLR	---	N	N	
B06.030.042	2RPV-179-101-42	NC	09/24/2004	CLR	---	N	N	
B06.030.042A	2RPV-179-101-42	NC	09/24/2004	CLR	---	N	N	
B06.030.043	2RPV-179-101-43	NC	09/24/2004	CLR	---	N	N	
B06.030.043A	2RPV-179-101-43	NC	09/24/2004	CLR	---	N	N	
B06.030.044	2RPV-179-101-44A	NC	09/22/2004	CLR	---	N	N	
B06.030.044A	2RPV-179-101-44A	NC	09/22/2004	CLR	---	N	N	
B06.030.045	2RPV-179-101-45	NC	09/22/2004	CLR	---	N	N	
B06.030.045A	2RPV-179-101-45	NC	09/22/2004	CLR	---	N	N	

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B06.030.046	2RPV-179-101-46	NC	09/22/2004	CLR	---	N	N	
B06.030.046A	2RPV-179-101-46	NC	09/22/2004	CLR	---	N	N	
B06.030.047	2RPV-179-101-47	NC	09/22/2004	CLR	---	N	N	
B06.030.047A	2RPV-179-101-47	NC	09/22/2004	CLR	---	N	N	
B06.030.048	2RPV-179-101-48	NC	09/22/2004	CLR	---	N	N	
B06.030.048A	2RPV-179-101-48	NC	09/22/2004	CLR	---	N	N	
B06.030.049	2RPV-179-101-49	NC	09/22/2004	CLR	---	N	N	
B06.030.049A	2RPV-179-101-49	NC	09/22/2004	CLR	---	N	N	
B06.030.050	2RPV-179-101-50	NC	09/24/2004	CLR	---	N	N	
B06.030.050A	2RPV-179-101-50	NC	09/24/2004	CLR	---	N	N	
B06.030.051	2RPV-179-101-51	NC	09/24/2004	CLR	---	N	N	
B06.030.051A	2RPV-179-101-51	NC	09/24/2004	CLR	---	N	N	
B06.030.052	2RPV-179-101-52	NC	09/24/2004	CLR	---	N	N	
B06.030.052A	2RPV-179-101-52	NC	09/24/2004	CLR	---	N	N	
B06.030.053	2RPV-179-101-53	NC	09/24/2004	CLR	---	N	N	
B06.030.053A	2RPV-179-101-53	NC	09/24/2004	CLR	---	N	N	
B06.030.054	2RPV-179-101-54	NC	09/24/2004	CLR	---	N	N	
B06.030.054A	2RPV-179-101-54	NC	09/24/2004	CLR	---	N	N	
B06.040.037	2RPV-THREAD-37	NC	09/15/2004	CLR	---	N	N	
B06.040.038	2RPV-THREAD-38	NC	09/15/2004	CLR	---	N	N	
B06.040.039	2RPV-THREAD-39	NC	09/15/2004	CLR	---	N	N	
B06.040.040	2RPV-THREAD-40	NC	09/15/2004	CLR	---	N	N	
B06.040.041	2RPV-THREAD-41	NC	09/15/2004	CLR	---	N	N	
B06.040.042	2RPV-THREAD-42	NC	09/15/2004	CLR	---	N	N	
B06.040.043	2RPV-THREAD-43	NC	09/15/2004	CLR	---	N	N	
B06.040.044	2RPV-THREAD-44	NC	09/15/2004	CLR	---	N	N	
B06.040.045	2RPV-THREAD-45	NC	09/15/2004	CLR	---	N	N	
B06.040.046	2RPV-THREAD-46	NC	09/15/2004	CLR	---	N	N	
B06.040.047	2RPV-THREAD-47	NC	09/15/2004	CLR	---	N	N	
B06.040.048	2RPV-THREAD-48	NC	09/15/2004	CLR	---	N	N	
B06.040.049	2RPV-THREAD-49	NC	09/15/2004	CLR	---	N	N	
B06.040.050	2RPV-THREAD-50	NC	09/15/2004	CLR	---	N	N	
B06.040.051	2RPV-THREAD-51	NC	09/15/2004	CLR	---	N	N	
B06.040.052	2RPV-THREAD-52	NC	09/15/2004	CLR	---	N	N	
B06.040.053	2RPV-THREAD-53	NC	09/15/2004	CLR	---	N	N	
B06.040.054	2RPV-THREAD-54	NC	09/15/2004	CLR	---	N	N	

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B06.050.037	2RPV-179-103-37	NC	09/24/2004	CLR	---	N	N	
B06.050.038	2RPV-179-103-38	NC	09/23/2004	CLR	---	N	N	
B06.050.039	2RPV-179-103-39	NC	09/23/2004	CLR	---	N	N	
B06.050.040	2RPV-179-103-40	NC	09/23/2004	CLR	---	N	N	
B06.050.041	2RPV-179-103-41	NC	09/24/2004	CLR	---	N	N	
B06.050.042	2RPV-179-103-42	NC	09/24/2004	CLR	---	N	N	
B06.050.043	2RPV-179-103-43	NC	09/24/2004	CLR	---	N	N	
B06.050.044	2RPV-179-103-44	NC	09/23/2004	CLR	---	N	N	
B06.050.045	2RPV-179-103-45	NC	09/23/2004	CLR	---	N	N	
B06.050.046	2RPV-179-103-46	NC	09/23/2004	CLR	---	N	N	
B06.050.047	2RPV-179-103-47	NC	09/23/2004	CLR	---	N	N	
B06.050.048	2RPV-179-103-48	NC	09/23/2004	CLR	---	N	N	
B06.050.049	2RPV-179-103-49	NC	09/23/2004	CLR	---	N	N	
B06.050.050	2RPV-179-103-50	NC	09/24/2004	CLR	---	N	N	
B06.050.051	2RPV-179-103-51	NC	09/24/2004	CLR	---	N	N	
B06.050.052	2RPV-179-103-52	NC	09/25/2004	CLR	---	N	N	
B06.050.053	2RPV-179-103-53	NC	09/25/2004	CLR	---	N	N	
B06.050.054	2RPV-179-103-54	NC	09/25/2004	CLR	---	N	N	
B06.180.003	2RCP-2C-F	NC	09/27/2004	CLR	---	N	N	
B07.020.001	2PZR-MWB		09/20/2004	CLR	---	N	N	
B07.030.007	2SGD-MW-W-X		09/30/2004	CLR	---	N	N	
B07.030.008	2SGD-MW-Z-W		09/30/2004	CLR	---	N	N	
B07.050.001	2NC112-MJ1	NC	10/15/2004	CLR	---	N	N	
B07.050.002	2NC119-MJ1	NC	10/15/2004	CLR	---	N	N	
B07.050.003	2NC163-MJ1	NC	10/15/2004	CLR	---	N	N	
B07.070.001	2NC-1	NC	10/15/2004	CLR	---	N	N	
B07.070.023	2NI-125	NI	09/26/2004	CLR	---	N	N	
B07.070.024	2NI-126	NI	09/21/2004	CLR	---	N	N	
B08.020.004	2PZR-W10C		10/02/2004	CLR	---	N	N	
B08.020.005	2PZR-W10D		10/02/2004	CLR	---	N	N	
B09.011.001	2NC112-2	NC	09/23/2004	CLR	---	N	N	
B09.011.001A	2NC112-2	NC	09/22/2004	CLR	---	N	N	
B09.011.002	2NC112-5	NC	09/23/2004	CLR	---	N	N	
B09.011.002A	2NC112-5	NC	09/22/2004	CLR	---	N	N	
B09.011.005	2NC119-1	NC	09/23/2004	CLR	---	N	N	
B09.011.005A	2NC119-1	NC	09/22/2004	CLR	---	N	N	

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B09.011.009	2NC44-15	NC	09/23/2004	CLR	---	N	N	
B09.011.009A	2NC44-15	NC	09/23/2004	CLR	---	N	N	
B09.011.010	2NC163-1	NC	09/23/2004	CLR	---	N	N	
B09.011.010A	2NC163-1	NC	09/22/2004	CLR	---	N	N	
B09.011.011	2NC163-3	NC	09/23/2004	CLR	---	N	N	
B09.011.011A	2NC163-3	NC	09/22/2004	CLR	---	N	N	
B09.011.012	2NC163-4	NC	09/23/2004	CLR	---	N	N	
B09.011.012A	2NC163-4	NC	09/22/2004	CLR	---	N	N	
B09.011.013	2NC163-6	NC	09/23/2004	CLR	---	N	N	
B09.011.013A	2NC163-6	NC	09/22/2004	CLR	---	N	N	
B09.011.049	2NC44-16	NC	09/23/2004	CLR	---	N	N	
B09.011.049A	2NC44-16	NC	09/23/2004	CLR	---	N	N	
B09.011.050	2ND66-12	ND	09/27/2004	CLR	---	N	N	
B09.011.050A	2ND66-12	ND	09/27/2004	CLR	---	N	N	
B09.011.051	2ND66-4	ND	10/12/2004	CLR	---	N	N	
B09.011.051A	2ND66-4	ND	10/12/2004	CLR	---	N	N	
B09.011.052	2ND66-5	ND	10/12/2004	CLR	---	N	N	
B09.011.052A	2ND66-5	ND	10/12/2004	CLR	---	N	N	
B09.011.053	2ND66-7	ND	09/27/2004	CLR	---	N	N	
B09.011.053A	2ND66-7	ND	09/27/2004	CLR	---	N	N	
B09.011.064	2NI185-18	NI	09/21/2004	CLR	---	N	N	
B09.011.064A	2NI185-18	NI	09/21/2004	CLR	---	N	N	
B09.011.065	2NI185-20	NI	09/21/2004	CLR	---	N	N	
B09.011.065A	2NI185-20	NI	09/21/2004	CLR	---	N	N	
B09.011.066	2NI185-22	NI	09/21/2004	CLR	---	N	N	
B09.011.066A	2NI185-22	NI	09/21/2004	CLR	---	N	N	
B09.021.001	2NC114-12	NC	09/22/2004	CLR	---	N	N	
B09.021.002	2NC114-3	NC	09/22/2004	CLR	---	N	N	
B09.021.003	2NC114-6	NC	09/22/2004	CLR	---	N	N	
B09.021.004	2NC116-10	NC	09/22/2004	CLR	---	N	N	
B09.021.005	2NC116-11	NC	09/22/2004	CLR	---	N	N	
B09.021.006	2NC116-9	NC	09/22/2004	CLR	---	N	N	
B09.021.011	2NC258-1	NC	09/28/2004	CLR	---	N	N	
B09.021.012	2NC258-3	NC	09/28/2004	CLR	---	N	N	
B09.021.013	2NC258-4	NC	09/28/2004	CLR	---	N	N	
B09.021.014	2NC258-5	NC	09/28/2004	CLR	---	N	N	

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B09.021.031	2NV185-1	NV	09/21/2004	CLR	---	N	N	
B09.021.032	2NV185-2	NV	09/21/2004	CLR	---	N	N	
B09.032.009	2NI70-3	NI	10/12/2004	CLR	---	N	N	
B09.032.010	2NI75-7	NI	09/17/2004	CLR	---	N	N	
B09.032.011	1-20-1	NC	09/24/2004	CLR	---	N	N	
B09.032.012	2NC9-WN4	NC	09/24/2004	CLR	---	N	N	
B09.040.001	2NC140-1	NC	09/27/2004	CLR	---	N	N	
B09.040.002	2NC140-3	NC	09/27/2004	CLR	---	N	N	
B09.040.003	2NC141-1	NC	09/21/2004	CLR	---	N	N	
B09.040.004	2NC141-2	NC	09/21/2004	CLR	---	N	N	
B09.040.005	2NC141-4	NC	09/21/2004	CLR	---	N	N	
B09.040.038	2NI398-13	NI	09/25/2004	CLR	---	N	N	
B09.040.039	2NI398-15	NI	09/25/2004	CLR	---	N	N	
B09.040.040	2NI398-18	NI	09/25/2004	CLR	---	N	N	
B09.040.041	2NI398-20	NI	09/25/2004	CLR	---	N	N	
B09.040.046	2NV194-6	NV	09/17/2004	CLR	---	N	N	
B09.040.047	2NV194-8	NV	09/17/2004	CLR	---	N	N	
B09.040.060	2NV224-12	NV	09/26/2004	CLR	---	N	N	
B09.040.061	2NV224-16	NV	09/26/2004	CLR	---	N	N	
B09.040.062	2NV224-2	NV	09/26/2004	CLR	---	N	N	
B09.040.063	2NV224-20	NV	09/26/2004	CLR	---	N	N	
B09.040.064	2NV224-23	NV	09/26/2004	CLR	---	N	N	
B09.040.065	2NV224-3	NV	09/26/2004	CLR	---	N	N	
B09.040.066	2NV224-7	NV	09/26/2004	CLR	---	N	N	
B09.040.067	2NV313-5	NV	09/17/2004	CLR	---	N	N	
B09.040.068	2NV313-7	NV	09/24/2004	CLR	---	N	N	
B09.040.069	2NV313-9	NV	09/17/2004	CLR	---	N	N	
B09.040.081	2NC81-33	NC	09/21/2004	CLR	---	N	N	
B09.040.082	1-20-2	NC	09/24/2004	CLR	---	N	N	
B13.010.001	2RPV-INTERIOR	NC	09/23/2004	CLR	---	N	N	
B13.060.001	2RPV-CLEVIS		09/22/2004	CLR	---	N	N	
B13.060.002	2RPV-INCORE		09/30/2004	CLR	---	N	N	
B13.070.001	2RPV-CORE-SUP		09/26/2004	CLR	---	N	N	
C01.010.001	2SGB-03-04A	NC	09/23/2004	CLR	---	N	N	
C01.010.002	2SGC-04B-05	NC	09/26/2004	CLR	48.31%	N	Y	Request for Relief will be filed for the limitation
C01.020.004	2REGHX-SH1-HD1	NV	/ /		---	N	N	Examination not performed - See Request for Relief Serial Number 03-001.

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C01.020.005	2REGHX-SH1-HD2	NV	//		---	N	N	Examination not performed - See Request for Relief Serial Number 03-001.
C01.020.006	2REGHX-SH2-HD1	NV	//		---	N	N	Examination not performed - See Request for Relief Serial Number 03-001.
C01.020.007	2REGHX-SH2-HD2	NV	//		---	N	N	Examination not performed - See Request for Relief Serial Number 03-001.
C01.020.008	2REGHX-SH3-HD1	NV	//		---	N	N	Examination not performed - See Request for Relief Serial Number 03-001.
C01.020.009	2REGHX-SH3-HD2	NV	//		---	N	N	Examination not performed - See Request for Relief Serial Number 03-001.
C01.030.002	2REGHX-SH1-TS	NV	//		---	N	N	Examination not performed - See Request for Relief Serial Number 03-001.
C01.030.003	2REGHX-SH2-TS	NV	//		---	N	N	Examination not performed - See Request for Relief Serial Number 03-001.
C01.030.004	2REGHX-SH3-TS	NV	//		---	N	N	Examination not performed - See Request for Relief Serial Number 03-001.
C01.030.005	2REGHX-TS-SH1	NV	//		---	N	N	Examination not performed - See Request for Relief Serial Number 03-001.
C01.030.006	2REGHX-TS-SH2	NV	//		---	N	N	Examination not performed - See Request for Relief Serial Number 03-001.
C01.030.007	2REGHX-TS-SH3	NV	//		---	N	N	Examination not performed - See Request for Relief Serial Number 03-001.
C02.021.002	2SGB-SB-11	NC	09/23/2004	CLR	---	N	N	
C02.021.002A	2SGB-SB-11	NC	09/23/2004	CLR	---	N	N	
C02.022.001	2SGB-SB-11	NC	09/23/2004	CLR	---	N	N	
C03.020.016	2-R-FW-0011	FW	08/25/2004	CLR	---	N	N	
C03.020.031	2-R-NI-1676	NI	09/17/2004	REC	---	N	N	
C03.020.051	2-R-NV-0238	NV	09/02/2004	CLR	---	N	N	
C03.020.052	2-R-NV-0239	NV	10/06/2004	CLR	---	N	N	
C03.020.053	2-R-NV-0270	NV	08/31/2004	CLR	---	N	N	
C03.020.072	2-R-SM-1584	SM	09/29/2004	CLR	---	N	N	
C03.020.073	2-R-SM-1585	SM	09/29/2004	CLR	---	N	N	
C03.020.074	2-R-SM-1586	SM	10/02/2004	CLR	---	N	N	
C03.020.075	2-R-SM-1587	SM	10/02/2004	CLR	---	N	N	
C03.020.097	2-R-SM-1577	SM	10/04/2004	CLR	---	N	N	
C03.020.098	2-R-SM-1578	SM	10/04/2004	CLR	---	N	N	
C03.020.099	2-R-SM-1579	SM	10/04/2004	CLR	---	N	N	

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C03.020.100	2-R-SM-1581	SM	10/04/2004	CLR	---	N	N	
C03.020.102	2-R-SM-1583	SM	10/04/2004	CLR	---	N	N	
C05.011.004	2CA92-21	CA	10/01/2004	CLR	---	N	N	
C05.011.004A	2CA92-21	CA	09/30/2004	CLR	---	N	N	
C05.011.005	2CA92-22	CA	10/01/2004	CLR	---	N	N	
C05.011.005A	2CA92-22	CA	09/30/2004	CLR	---	N	N	
C05.011.006	2CA92-23	CA	10/01/2004	CLR	---	N	N	
C05.011.006A	2CA92-23	CA	09/30/2004	CLR	---	N	N	
C05.011.007	2CA92-24	CA	10/01/2004	CLR	---	N	N	
C05.011.007A	2CA92-24	CA	09/30/2004	CLR	---	N	N	
C05.011.019	2CA73-40	CA	10/14/2004	CLR	---	N	N	
C05.011.019A	2CA73-40	CA	09/29/2004	CLR	---	N	N	
C05.011.020	2CA73-41	CA	09/29/2004	CLR	---	N	N	
C05.011.020A	2CA73-41	CA	09/29/2004	CLR	---	N	N	
C05.011.032	2FW76-6	FW	08/26/2004	CLR	30.80%	N	Y	Request for Relief will be filed for the limitation
C05.011.032A	2FW76-6	FW	08/23/2004	CLR	---	N	N	
C05.011.033	2FW39-5	FW	08/24/2004	CLR	---	N	N	
C05.011.033A	2FW39-5	FW	08/23/2004	CLR	---	N	N	
C05.011.034	2FW39-6	FW	08/24/2004	CLR	---	N	N	
C05.011.034A	2FW39-6	FW	08/23/2004	CLR	---	N	N	
C05.011.035	2FW39-7	FW	08/24/2004	CLR	---	N	N	
C05.011.035A	2FW39-7	FW	08/23/2004	CLR	---	N	N	
C05.011.036	2FW39-11	FW	08/24/2004	CLR	---	N	N	
C05.011.036A	2FW39-11	FW	08/23/2004	CLR	---	N	N	
C05.011.037	2FW39-12	FW	08/24/2004	CLR	---	N	N	
C05.011.037A	2FW39-12	FW	08/23/2004	CLR	---	N	N	
C05.011.038	2FW39-13	FW	08/24/2004	CLR	---	N	N	
C05.011.038A	2FW39-13	FW	08/23/2004	CLR	---	N	N	
C05.011.039	2FW42-19	FW	08/24/2004	CLR	---	N	N	
C05.011.039A	2FW42-19	FW	08/23/2004	CLR	---	N	N	
C05.011.040	2FW42-20	FW	08/24/2004	CLR	---	N	N	
C05.011.040A	2FW42-20	FW	08/23/2004	CLR	---	N	N	
C05.011.078	2ND30-1	ND	10/01/2004	CLR	---	N	N	
C05.011.078A	2ND30-1	ND	09/30/2004	CLR	---	N	N	
C05.011.079	2ND30-2	ND	10/01/2004	CLR	---	N	N	
C05.011.079A	2ND30-2	ND	09/30/2004	CLR	---	N	N	

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C05.011.081	2ND40-6	ND	08/26/2004	CLR	---	Y	N	
C05.011.081A	2ND40-6	ND	08/26/2004	CLR	---	N	N	
C05.011.082	2ND46-3	ND	08/26/2004	CLR	---	N	N	
C05.011.082A	2ND46-3	ND	08/25/2004	CLR	---	N	N	
C05.011.084	2ND46-5	ND	08/26/2004	CLR	---	N	N	
C05.011.084A	2ND46-5	ND	08/25/2004	CLR	---	N	N	
C05.011.085	2ND46-7	ND	08/26/2004	CLR	---	N	N	
C05.011.085A	2ND46-7	ND	08/25/2004	CLR	---	N	N	
C05.021.240	2NV34-10	NV	08/31/2004	CLR	---	N	N	
C05.021.240A	2NV34-10	NV	08/30/2004	CLR	---	N	N	
C05.021.241	2NV34-11	NV	08/31/2004	CLR	86.80%	N	Y	Request for Relief will be filed.
C05.021.241A	2NV34-11	NV	08/31/2004	CLR	---	N	N	
C05.021.242	2NV34-18	NV	08/31/2004	CLR	---	N	N	
C05.021.242A	2NV34-18	NV	08/30/2004	CLR	---	N	N	
C05.021.243	2NV34-19	NV	08/31/2004	CLR	---	N	N	
C05.021.243A	2NV34-19	NV	08/30/2004	CLR	---	N	N	
C05.021.244	2NV34-8	NV	08/31/2004	CLR	---	N	N	
C05.021.244A	2NV34-8	NV	08/30/2004	CLR	---	N	N	
C05.021.245	2NV34-9	NV	08/31/2004	CLR	---	N	N	
C05.021.245A	2NV34-9	NV	08/30/2004	CLR	---	N	N	
C05.021.248	2NV37-14	NV	08/31/2004	CLR	---	N	N	
C05.021.248A	2NV37-14	NV	08/30/2004	CLR	---	N	N	
C05.021.249	2NV37-15	NV	08/31/2004	CLR	---	N	N	
C05.021.249A	2NV37-15	NV	08/31/2004	CLR	---	N	N	
C05.030.006	2NI281-28	NI	09/17/2004	CLR	---	N	N	
C05.030.007	2NI281-29	NI	09/16/2004	CLR	---	N	N	
C05.030.008	2NI281-3	NI	09/17/2004	CLR	---	N	N	
C05.030.009	2NI296-1	NI	09/16/2004	CLR	---	N	N	
C05.030.010	2NI296-3	NI	09/27/2004	CLR	---	N	N	
C05.030.011	2NI299-1	NI	09/17/2004	CLR	---	N	N	
C05.030.012	2NI299-24	NI	09/17/2004	CLR	---	N	N	
C05.030.013	2NI299-26	NI	09/17/2004	CLR	---	N	N	
C05.030.014	2NI300-11	NI	09/17/2004	CLR	---	N	N	
C05.030.015	2NI300-13	NI	09/17/2004	CLR	---	N	N	
C05.030.112	2NV257-1	NV	09/28/2004	CLR	---	N	N	
C05.030.113	2NV257-10	NV	09/28/2004	CLR	---	N	N	

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C05.030.114	2NV257-11	NV	09/28/2004	CLR	---	N	N	
C05.030.115	2NV257-16	NV	09/28/2004	CLR	---	N	N	
C05.030.116	2NV257-17	NV	09/28/2004	CLR	---	N	N	
C05.030.117	2NV257-4	NV	10/01/2004	CLR	---	N	N	
C05.030.118	2NV257-5	NV	09/28/2004	CLR	---	N	N	
C05.030.127	2NV270-1	NV	09/17/2004	CLR	---	N	N	
C05.030.128	2NV270-2	NV	09/17/2004	CLR	---	N	N	
C05.030.129	2NV274-2	NV	09/25/2004	CLR	---	N	N	
C05.030.130	2NV274-3	NV	09/25/2004	CLR	---	N	N	
C05.030.131	2NV275-1	NV	09/28/2004	CLR	---	N	N	
C05.030.132	2NV275-10	NV	09/28/2004	CLR	---	N	N	
C05.030.133	2NV275-14	NV	09/28/2004	CLR	---	N	N	
C05.030.134	2NV275-2	NV	09/28/2004	CLR	---	N	N	
C05.030.135	2NV275-5	NV	09/28/2004	CLR	---	N	N	
C05.030.136	2NV275-8	NV	10/05/2004	CLR	---	N	N	
C05.030.137	2NV310-13	NV	09/16/2004	CLR	---	N	N	
C05.030.138	2NV310-14	NV	09/16/2004	CLR	---	N	N	
C05.030.139	2NV310-18	NV	09/17/2004	CLR	---	N	N	
C05.030.140	2NV310-2	NV	09/16/2004	CLR	---	N	N	
C05.041.021	2FW42-9	FW	08/23/2004	CLR	---	N	N	
C05.051.081	2SA2-1	SA	09/30/2004	CLR	---	N	N	
C05.051.081A	2SA2-1	SA	09/30/2004	CLR	---	N	N	
C05.051.082	2SA2-2	SA	09/30/2004	CLR	---	N	N	
C05.051.082A	2SA2-2	SA	09/30/2004	CLR	---	N	N	
C05.051.083	2SA2-3	SA	09/30/2004	CLR	---	N	N	
C05.051.083A	2SA2-3	SA	09/30/2004	CLR	---	N	N	
C05.051.084	2SA6-4	SA	10/01/2004	CLR	---	N	N	
C05.051.084A	2SA6-4	SA	10/01/2004	CLR	---	N	N	
C05.051.085	2SA6-5	SA	10/01/2004	CLR	---	N	N	
C05.051.085A	2SA6-5	SA	10/01/2004	CLR	---	N	N	
C05.051.086	2SA6-7	SA	10/01/2004	CLR	---	N	N	
C05.051.086A	2SA6-7	SA	10/01/2004	CLR	---	N	N	
C05.051.107	2SM-7D-D	SM	10/03/2004	CLR	---	N	N	
C05.051.107A	2SM-7D-D	SM	10/03/2004	CLR	---	N	N	
C05.051.108	2SM-7D-F	SM	10/03/2004	CLR	---	N	N	
C05.051.108A	2SM-7D-F	SM	10/03/2004	CLR	---	N	N	

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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
C05.051.109	2SM-7D-G	SM	10/03/2004	CLR	---	N	N	
C05.051.109A	2SM-7D-G	SM	10/03/2004	CLR	---	N	N	
C06.020.007	2NI-118A	NI	09/01/2004	CLR	---	N	N	
C06.020.014	2NV-482	NV	09/01/2004	CLR	---	N	N	
C06.020.015	2NV-813	NV	08/30/2004	CLR	---	N	N	
D02.020.008	2-R-KC-0323	KC	05/06/2004	CLR	---	N	N	
D02.020.010	2-R-KC-1583	KC	09/20/2004	CLR	---	N	N	
D02.020.011	2-R-KC-1661	KC	09/20/2004	CLR	---	N	N	
D02.020.016	2-R-SA-0008	SA	09/19/2004	CLR	---	N	N	
D02.040.001	2-R-CA-0204	CA	04/26/2004	CLR	---	N	N	
F01.010.031	2-R-ND-1011	ND	09/17/2004	CLR	---	N	N	
F01.010.032	2-R-ND-1012	ND	09/17/2004	CLR	---	N	N	
F01.010.054	2-R-NI-1533	NI	09/17/2004	CLR	---	N	N	
F01.010.055	2-R-NI-1693	NI	09/17/2004	CLR	---	N	N	
F01.010.056	2-R-NI-1696	NI	09/23/2004	CLR	---	N	N	
F01.010.097	2-R-NV-1056	NV	09/17/2004	CLR	---	N	N	
F01.010.098	2-R-NV-1057	NV	09/17/2004	CLR	---	N	N	
F01.011.091	2-R-NV-1000	NV	09/17/2004	CLR	---	N	N	
F01.011.092	2-R-NV-1001	NV	09/23/2004	REC	---	N	N	
F01.011.093	2-R-NV-1010	NV	09/23/2004	CLR	---	N	N	
F01.011.094	2-R-NV-1110	NV	09/17/2004	CLR	---	N	N	
F01.012.010	2-R-NC-1687	NC	09/18/2004	CLR	---	N	N	
F01.012.011	2-R-NC-1689	NC	10/16/2004	CLR	---	N	N	
F01.012.012	2-R-NC-1691	NC	10/16/2004	CLR	---	N	N	
F01.012.053	2-R-NI-1692	NI	09/21/2004	CLR	---	N	N	
F01.012.054	2-R-NI-1694	NI	09/21/2004	CLR	---	N	N	
F01.012.055	2-R-NI-1695	NI	09/17/2004	CLR	---	N	N	
F01.012.092	2-R-NV-1114	NV	09/21/2004	CLR	---	N	N	
F01.012.093	2-R-NV-1115	NV	09/21/2004	CLR	---	N	N	
F01.020.007	2-R-CA-1029	CA	09/17/2004	REC	---	N	N	
F01.020.022	2-R-FW-0078	FW	04/26/2004	CLR	---	N	N	
F01.020.023	2-R-FW-0079	FW	04/26/2004	CLR	---	N	N	
F01.020.024	2-R-FW-0081	FW	04/26/2004	REC	---	N	N	
F01.020.025	2-R-FW-0082	FW	04/26/2004	CLR	---	N	N	
F01.020.026	2-R-FW-0011	FW	08/25/2004	CLR	---	N	N	
F01.020.071	2-R-NI-0066	NI	05/05/2004	CLR	---	N	N	

DUKE ENERGY CORPORATION
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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
F01.020.072	2-R-NI-0067	NI	05/05/2004	CLR	---	N	N	
F01.020.073	2-R-NI-0068	NI	05/05/2004	CLR	---	N	N	
F01.020.103	2-R-NS-1054	NS	09/18/2004	CLR	---	N	N	
F01.020.104	2-R-NS-1057	NS	09/20/2004	CLR	---	N	N	
F01.020.105	2-R-NS-1245	NS	09/20/2004	CLR	---	N	N	
F01.020.156	2-R-NV-0026	NV	04/26/2004	CLR	---	N	N	
F01.020.157	2-R-NV-0296	NV	04/26/2004	CLR	---	N	N	
F01.020.158	2-R-NV-0298	NV	04/26/2004	REC	---	N	N	
F01.020.159	2-R-NV-0277	NV	04/26/2004	CLR	---	N	N	
F01.020.160	2-R-NV-0280	NV	04/23/2004	CLR	---	N	N	
F01.020.161	2-A-NV-3788	NV	04/23/2004	CLR	---	N	N	
F01.020.201	2-R-SM-1017	SM	09/26/2004	CLR	---	N	N	
F01.020.202	2-R-SM-1019	SM	09/26/2004	CLR	---	N	N	
F01.020.203	2-R-SM-1027	SM	09/26/2004	CLR	---	N	N	
F01.020.204	2-R-SM-1028	SM	09/26/2004	CLR	---	N	N	
F01.020.221	2-R-SV-1606	SV	09/17/2004	CLR	---	N	N	
F01.020.222	2-R-SV-1608	SV	09/17/2004	CLR	---	N	N	
F01.021.022	2-R-FW-0096	FW	04/26/2004	CLR	---	N	N	
F01.021.023	2-R-FW-0097	FW	04/26/2004	CLR	---	N	N	
F01.021.033	2-R-ND-0251	ND	05/05/2004	CLR	---	N	N	
F01.021.034	2-R-ND-0252	ND	05/05/2004	CLR	---	N	N	
F01.021.063	2-R-NI-1030	NI	09/20/2004	CLR	---	N	N	
F01.021.064	2-R-NI-1059	NI	09/20/2004	CLR	---	N	N	
F01.021.065	2-R-NI-1060	NI	09/20/2004	CLR	---	N	N	
F01.021.106	2-R-NS-0014	NS	05/06/2004	CLR	---	N	N	
F01.021.107	2-R-NS-0016	NS	05/05/2004	CLR	---	N	N	
F01.021.108	2-R-NS-0017	NS	05/05/2004	CLR	---	N	N	
F01.021.109	2-R-NS-0135	NS	05/06/2004	CLR	---	N	N	
F01.021.159	2-R-NV-0009	NV	04/26/2004	CLR	---	N	N	
F01.021.160	2-R-NV-0183	NV	04/26/2004	CLR	---	N	N	
F01.021.161	2-R-NV-0185	NV	04/26/2004	CLR	---	N	N	
F01.022.015	2-R-CF-1009	CF	09/21/2004	REC	---	N	N	
F01.022.016	2-R-CF-1010	CF	09/26/2004	CLR	---	N	N	
F01.022.035	2-R-ND-0263	ND	05/05/2004	CLR	---	N	N	
F01.022.036	2-R-ND-0265	ND	05/05/2004	CLR	---	N	N	
F01.022.063	2-R-NI-0070	NI	05/05/2004	REC	---	N	N	

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F01.022.145	2-R-NV-0323	NV	04/23/2004	CLR	---	N	N	
F01.022.209	2-R-SM-1010	SM	09/18/2004	CLR	---	N	N	
F01.022.210	2-R-SM-1011	SM	09/18/2004	REC	---	N	N	
F01.030.007	2-R-CA-0226	CA	04/22/2004	CLR	---	N	N	
F01.030.008	2-R-CA-0228	CA	04/22/2004	CLR	---	N	N	
F01.030.009	2-R-CA-0229	CA	04/22/2004	CLR	---	N	N	
F01.030.067	2-R-KC-0080	KC	05/06/2004	CLR	---	N	N	
F01.030.068	2-R-KC-0082	KC	05/06/2004	CLR	---	N	N	
F01.030.069	2-R-KC-0090	KC	05/06/2004	CLR	---	N	N	
F01.030.070	2-R-KC-0040	KC	05/06/2004	CLR	---	N	N	
F01.030.071	2-R-KC-0318	KC	05/06/2004	CLR	---	N	N	
F01.030.073	2-R-KC-0058	KC	04/27/2004	CLR	---	N	N	
F01.030.074	2-R-KC-0059	KC	04/27/2004	CLR	---	N	N	
F01.030.075	2-R-KC-0060	KC	04/27/2004	CLR	---	N	N	
F01.030.103	2-R-KD-0070	KD	05/06/2004	CLR	---	N	N	
F01.030.104	2-R-KD-0071	KD	05/06/2004	CLR	---	N	N	
F01.030.159	2-R-RN-0019	RN	05/06/2004	CLR	---	N	N	
F01.030.160	2-R-RN-0021	RN	05/06/2004	CLR	---	N	N	
F01.030.161	2-R-RN-0022	RN	05/06/2004	CLR	---	N	N	
F01.030.162	2-R-RN-0031	RN	05/06/2004	CLR	---	N	N	
F01.030.163	2-R-RN-0032	RN	05/06/2004	CLR	---	N	N	
F01.030.191	2-R-SA-0008	SA	09/18/2004	REC	---	N	N	
F01.030.223	2-R-VN-0073	VN	05/12/2004	CLR	---	N	N	
F01.030.224	2-R-VN-0074	VN	05/12/2004	CLR	---	N	N	
F01.030.225	2-R-VN-0075	VN	05/12/2004	CLR	---	N	N	
F01.031.011	2-R-CA-0106	CA	04/22/2004	CLR	---	N	N	
F01.031.012	2-R-CA-0118	CA	04/22/2004	CLR	---	N	N	
F01.031.013	2-R-CA-0121	CA	04/22/2004	CLR	---	N	N	
F01.031.014	2-R-CA-0124	CA	04/22/2004	CLR	---	N	N	
F01.031.054	2-R-KC-0323	KC	05/06/2004	CLR	---	N	N	
F01.031.055	2-R-KC-0211	KC	04/27/2004	CLR	---	N	N	
F01.031.056	2-R-KC-0198	KC	04/27/2004	CLR	---	N	N	
F01.031.065	2-R-KC-1583	KC	09/20/2004	CLR	---	N	N	
F01.031.066	2-R-KC-1661	KC	09/20/2004	CLR	---	N	N	
F01.031.191	2-R-SA-0014	SA	04/22/2004	REC	---	N	N	
F01.032.001	2-R-CA-0204	CA	04/26/2004	CLR	---	N	N	

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F01.032.103	2-R-KD-0025	KD	05/06/2004	CLR	---	N	N	
F01.032.191	2-R-SA-0018	SA	04/22/2004	CLR	---	N	N	
F01.040.004	2SGA-COLUMNS	NC	10/12/2004	CLR	---	N	N	
F01.040.007	2RPV-SUPPORT-A	NC	10/16/2004	CLR	0.00%	N	Y	Request for Relief will be filed. Because of the proximity of the Reactor Vessel (RPV) insulation, the area of the support nearest to the RPV outside wall was not accessible for visual examination.
F01.040.008	2RPV-SUPPORT-B	NC	10/16/2004	CLR	0.00%	N	Y	Request for Relief will be filed. Because of the proximity of the Reactor Vessel (RPV) insulation, the area of the support nearest to the RPV outside wall was not accessible for visual examination.
F01.040.009	2RPV-SUPPORT-C	NC	10/16/2004	CLR	0.00%	N	Y	Request for Relief will be filed. Because of the proximity of the Reactor Vessel (RPV) insulation, the area of the support nearest to the RPV outside wall was not accessible for visual examination.
F01.040.010	2RPV-SUPPORT-D	NC	10/16/2004	CLR	0.00%	N	Y	Request for Relief will be filed. Because of the proximity of the Reactor Vessel (RPV) insulation, the area of the support nearest to the RPV outside wall was not accessible for visual examination.
F01.040.011	2SGC-LATERALS	NC	10/12/2004	CLR	---	N	N	
F01.040.212	2TDCAP2-SUPPORT	CA	09/20/2004	CLR	---	N	N	
F01.040.213	2DGEJWCA-SUPPORT		09/22/2004	CLR	---	N	N	
F01.040.214	2LDCA-SUPPORT		09/22/2004	CLR	---	N	N	
F01.040.215	2LDFA-SUPPORT	LD	09/22/2004	CLR	---	N	N	
F01.040.216	2LDSA1-SUPPORT	LD	09/22/2004	CLR	---	N	N	
F01.040.217	2LDSTA-SUPPORT	LD	09/22/2004	CLR	---	N	N	
F01.040.218	2LDPOSA-SUPPORT		09/22/2004	CLR	---	N	N	
F01.040.220	2DGEIAFA1-SUPPORT	VN	09/22/2004	CLR	---	N	N	
G02.001.012	2SM44-01	SM	10/04/2004	CLR	---	N	N	
G02.001.012A	2SM44-01	SM	10/04/2004	CLR	---	N	N	
G02.001.013	2SM-4D-C	SM	10/04/2004	CLR	---	N	N	
G02.001.013A	2SM-4D-C	SM	10/04/2004	CLR	---	N	N	
G02.001.014	2SM-4D-B	SM	10/04/2004	CLR	---	Y	N	
G02.001.014A	2SM-4D-B	SM	10/04/2004	CLR	---	N	N	
G02.001.015	2SM-4D-A	SM	10/04/2004	CLR	---	Y	N	
G02.001.015A	2SM-4D-A	SM	10/04/2004	CLR	---	N	N	
G02.001.016	2SM44-03	SM	10/04/2004	CLR	---	Y	N	

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G02.001.016A	2SM44-03	SM	10/04/2004	CLR	---	N	N	
G02.001.017	2SM46-01	SM	09/30/2004	CLR	---	N	N	
G02.001.017A	2SM46-01	SM	09/29/2004	CLR	---	N	N	
G02.001.018	2SM-6D-A	SM	09/30/2004	CLR	---	N	N	
G02.001.018A	2SM-6D-A	SM	09/29/2004	CLR	---	N	N	
G02.001.019	2SM46-02	SM	09/30/2004	CLR	---	Y	N	
G02.001.019A	2SM46-02	SM	09/29/2004	CLR	---	N	N	
G02.001.020	2SM-7D-A	SM	10/02/2004	CLR	---	Y	N	
G02.001.020A	2SM-7D-A	SM	10/02/2004	CLR	---	N	N	
G02.001.021	2SM46-07	SM	10/01/2004	REC	---	N	N	
G02.001.021A	2SM46-07	SM	09/29/2004	CLR	---	N	N	
G02.001.022	2SM48-01	SM	09/30/2004	CLR	---	N	N	
G02.001.022A	2SM48-01	SM	09/29/2004	CLR	---	N	N	


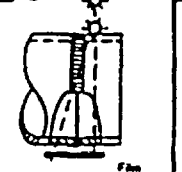
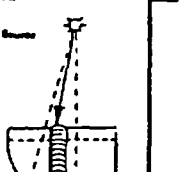
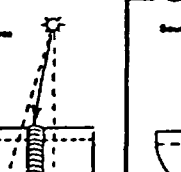
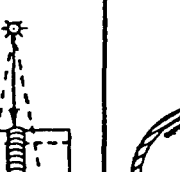
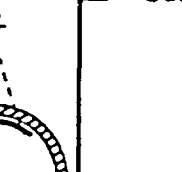
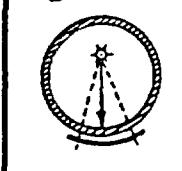
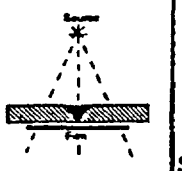
DUKE POWER COMPANY

RADIOGRAPHIC EXAMINATION REPORT / TECHNIQUE

Weld / Component ID: 2SGC-INLET-SE Project: Catawba Nuclear Station
 Procedure No./Rev: NDE 12/11 Acceptance/Reporting Standards: A
 Radiographer: RW Mack Level: II Date: 10/7/04 Code Reference: ASME XI

Material: CS ☒ SS ☒ Diameter: 31" ID Thickness: 2.50"
 Source: Ir-192 Size: .142 Curies: 101 Estimated Weld Build-Up: .0625 SFD: 18
 IQI: Film Side ☒ Source Side ☐ ASTM C Size(s): I IQI Design: Standard Wire-Type
 Film View: Single ☒ Composite ☒ Number of Film Per Cassette: 4 Film Stand Off: NA
 Film Brand/Type: Front Fuji 100 Center *See Comment Back Fuji 100 Shim Size(s): NA
 Screen Thickness: Front .010 Center NA Back .010 (Ug = Ft/D) Actual Ug: 0.029
 Exposure Time: Hrs. 1 Min. 40 Sec. Thicker member used as shim: ☒

TECHNIQUE SET UP

<input checked="" type="checkbox"/> A	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> F	<input type="checkbox"/> G	<input type="checkbox"/> H	<input type="checkbox"/> I Other
						<input type="checkbox"/> Draw Sketched
		Offset Single Wall View	Offset Double Wall View	Superimposed Double Wall View	Single Wall Exposure, Film Inside Pipe	

FILM REVIEW

Interval	Date	Indication	Length/Size	Reviewer	Level	Date	Accept	Reject	Report	Reshoot
0-1	10/7/04	.6	.1.0"	RGS	II	10/7/04			X	
1-2	10/7/04			RGS	II	10/7/04	✓			
2-3	10/7/04			RGS	II	10/7/04	✓			
3-4	10/7/04			RGS	II	10/7/04	✓			
4-5	10/7/04			RGS	II	10/7/04	✓			
5-6	10/7/04			RGS	II	10/7/04	✓			
6-7	10/7/04			RGS	II	10/7/04	✓			
7-8	10/7/04			RGS	II	10/7/04	✓			
8-9	10/7/04	12		RGS	II	10/7/04	✓			
9-0	10/7/04	8,6	.187", 1.0"	RGS	II	10/7/04			X	

Indication and flaw types:	1. Incomp. Fusion	4. Unconsumed Insert	7. Undercut	10. Convexity	13. Surface
	2. Incomp. Pen.	5. Crack	8. Porosity	11. Concavity	14. Inclusion
	3. Excessive Pen.	6. Slag	9. Tungsten	12. Film Artifact	15.

Exam Limitations: ☒ Yes: 99 % Examined ☐ No: (100% Examined)

Comments: * Fuji 80/100 ** Thickness 2.5" - 3.2", Source placed 20.25" from Nozzle Dam ring, Limitation due to lead marker "V" not shown on film at numbers 1 thru 3

Second Review: R. T. Tucker Level: III Date: 10/7/04
 ANI/ANII Review: R. T. Tucker Date: 10-11-04
 Item No. B05.070.005


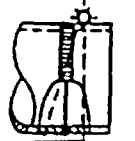
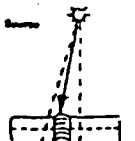
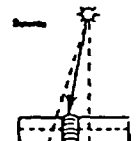
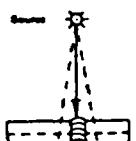
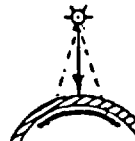

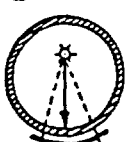
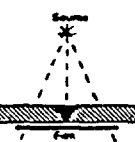
ASH
10/19/04

DUKE POWER COMPANY RADIOGRAPHIC EXAMINATION REPORT / TECHNIQUE

Weld / Component ID. 2NC13-02 Project Catawba Nuclear Station
 Procedure No./Rev. NDE 12/11 Acceptance/Reporting Standards A
 Radiographer RW Mack Level II Date 10/7/04 Code Reference ASME XI

Material: CS ☒ SS ☒ Diameter 31" ID Thickness 2.50"
 Source: Ir-192 Size: .142 Curies: 101 Estimated Weld Build-Up .0625 SFD 18
 IQI: Film Side ☒ Source Side ☐ ASTM C Size(s) IQI Design: Standard Wire-Type
 Film View: Single ☒ Composite ☐ Number of Film Per Cassette: 4 Film Stand Off NA
 Film Brand/Type: Front Fuji 100 Center *See Comment Back Fuji 100 Shim Size(s): NA
 Screen Thickness: Front .010 Center NA Back .010 (Ug = Ft/D) Actual Ug: 0.029
 Exposure Time: Hrs. 1 Min. 40 Sec. Thicker member used as shim: ☒

TECHNIQUE SET UP

<input checked="" type="checkbox"/> A	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> F	<input type="checkbox"/> G	<input type="checkbox"/> H	<input type="checkbox"/> I Other
						
		Offset Single Wall View	Offset Double Wall View	Superimposed Double Wall View	Single Wall Exposure, Film Inside Pipe	Draw Sketch

FILM REVIEW

Interval	Date	Indication	Length/Size	Reviewer	Level	Date	Accept	Reject	Report	Reshoot
0-1	10/7/04	6	1.0"	RGS	II	10/7/04			X	
1-2	10/7/04			RGS	II	10/7/04	✓			
2-3	10/7/04			RGS	II	10/7/04	✓			
3-4	10/7/04			RGS	II	10/7/04	✓			
4-5	10/7/04			RGS	II	10/7/04	✓			
5-6	10/7/04			RGS	II	10/7/04	✓			
6-7	10/7/04			RGS	II	10/7/04	✓			
7-8	10/7/04			RGS	II	10/7/04	✓			
8-9	10/7/04	12		RGS	II	10/7/04	✓			
9-0	10/7/04	8,6	.187", 1.0"	RGS	II	10/7/04			X	

Indication and flaw types:	1. Incomp. Fusion	4. Unconsumed Insert	7. Undercut	10. Convexity	13. Surface
	2. Incomp. Pen.	5. Crack	8. Porosity	11. Concavity	14. Inclusion
	3. Excessive Pen.	6. Slag	9. Tungsten	12. Film Artifact	15.

Exam Limitations: ☐ Yes: % Examined ☒ No: (100% Examined)

Comments: * Fuji 80/100 ** Thickness 2.5" - 3.2", Source placed 20.25" from Nozzle Dam ring,

Second Review R. Mack Level III Date 10/7/04
 ANI/ANII Review Robert M. Galt Date 10-11-04
 Item No. B05.130.010

AJH 12/9/04

**Problem Investigation Process
Catawba Nuclear Station**

PIP Serial No:	Action Category:	LER No:	Other Report:
C-04-05421	3		

Problem Identification

Discovered Time/Date: 10:33 10/11/2004 **Occurred Time/Date:** 10/07/2004

Unit(s) Affected:

<u>Unit</u>	<u>Mode</u>	<u>%Power</u>	<u>Unit Status</u>	<u>Remarks</u>
2	NOMODE			

System(s) Affected:

NC Reactor Coolant

Affected Equipment

(No Equipment Affected)

Location of Problem:

Bldg: RX Column Line: Elev:

Location Remarks:

S/G 'C'

Method Used to Discover Problem:

RT (ISI) of S/G 'C' Inlet/outlet nozzle weld

Brief Problem Description:

Linear indication of 1 inch found in S/G 'C' on Hot leg during RT(radiography)

Detail Problem Description:

Linear indication of 1 inch found in S/G 'C' hot leg nozzle weld during RT. Linear indication of 1 inch exceeds the acceptance standards of NDE-12, ASME Code Sections III and XI. (Procedure NDE 12 Rev. 11, Appendix A, ASME Code XI IWB-3514, ASME Code Section III NB-5320). Slag indication of 1 inch in length located at RT film interval number '0'. The indication was not visible on the construction radiographs. A change in the source position in relation to the plane of the flaw was determined to be the basis for the flaw detection in 2004 and not during the fabrication RT. This is a reportable indication.

Originated By: JFB8158: BUMGARNER, JAMES F Team: JLW3805 Group: IWS Date: 10/11/2004

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

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

Immediate Corrective Actions:

Engineering to perform Fracture Mechanics Analysis.

Originated By: JFB8158: BUMGARNER, JAMES F Team: JLW3805 Group: IWS Date: 10/11/2004

Immediate Corrective Action Documents / Work Orders:

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date</u>
Problem Identified By:	JFB8158	JLW3805	IWS	10/11/2004
Problem Entered By:	JFB8158	JLW3805	IWS	10/11/2004

Screening

Action Category: 3 Root Cause performed? No

**Problem Investigation Process
Catawba Nuclear Station**

OEP No:

Other Report Nos:

Event Codes:

F3 Equipment out of norm
F8 Testing

Screening Remarks:

Screened by the centralized screening team on 10/12/04.

Last Updated By: SRGADMIN: SRG Admin Team: Group: SRG Date: 10/12/2004

Originated By: MLS9465: STANDRIDGE, MICKEY L Team: PAM7334 Group: SRG Date: 10/11/2004

Assignments:

Responsible Groups(s) for Problem Evaluation: MCE Mechanical/Civil Eng
Responsible Group for Present Operability: N/A
Responsible Group for Report Support Info: N/A
Responsible Group for Reportability: N/A
Responsible Group for Overall PIP Approval: IWS INSPEC. & WELD. SERV.

Signature Type	Indiv	Team	Group	Date
Screened By:	MLS9465	PAM7334	SRG	10/11/2004

Present Operability

Responsible Group: Status:

Sys/Comp Operable? (Y,N,C,E,T):

Required Mode:

Comments:

No Current Signatures For This Section

Reportability

Responsible Group: Status:

Problem Reportable(Y,N,E):

Reportable Per:

Comments:

No Current Signatures For This Section

**Problem Investigation Process
Catawba Nuclear Station**

Investigation Report:

Responsible Group:

Act Date:

Investigator:

Group:

Due Date:

Date Due to VP or Sta. Mgr:

Date Regulatory or Agency Rpt Due:

Date Investigation Report Approved:

NRC Cause Codes:

Report Support Info:

Responsible Group:

Status:

No Current Signatures For This Section

Problem Evaluation

Event	Cause Code	Cause Description	Primary	Causing Groups
F3	R1	Cause Determination Not Required	Yes	N/A

Problem Evaluation From: Resp. Group: MCE

Status: Closed

OEDB Checked: No

SUPPORTING INFORMATION

As described in the problem description, a one inch long, linear indication was discovered on the 2C Steam Generator to Hot Leg weld during 2EOC13. This particular weld is located between the cast low alloy steel primary channel head of the steam generator and the cast austenitic stainless steel elbow. Typically, the volumetric examination under Section XI of the ASME Code would be performed using an ultrasonic examination. However, the cast austenitic stainless steel material of the reactor coolant loop piping precludes the use of the ultrasonic examination methodology. The ultrasonic examination was replaced with a radiographic examination.

Nozzle Configuration

The nozzle connection consists of a low alloy steel casting that forms the channel head of the steam generator. This casting has been buttered with a low carbon, stainless steel weld metal. The piping to buttering field weld is made after post weld heat treatment of the steam generator channel head. This weld (Duke weld number is 2NC-13-2) is a full penetration, compound V groove weld made from the outside of the pipe. The GTAW (TIG) process was used for the first inch, followed by a "courtesy" radiograph (RT). Subsequent welding was performed using the SMAW (stick) process to finish out the weld. After completion of welding, a final RT was performed and accepted on the weld. In addition, liquid penetrant tests (PT's) were performed on the interior and exterior surfaces of the weld.

Flaw Geometry

The flaw is located at the bottom of the pipe in the C hot leg. It is approximately at bottom dead center of the pipe. Based on the radiographic data, the flaw is 1" long and oriented in the circumferential direction. Since the examination was performed using RT, a limited amount of information was available to characterize the flaw. The location of the flaw relative to the OD surface was established using parallax radiographic shots. A flaw location from the OD surface of 1.01" was determined from the parallax shots. The same radiography shots also indicate a very small flaw depth.

References

ASME Code, Section III, Subsections NB and NC, 1974 Edition with Summer 1974 Addenda.

ASME Code, Section XI, 1989 Edition, No addenda

Westinghouse sketch EDSK 380335B, from CNM-2201.01-0217

Westinghouse sketch EDSK 380329B, from CNM-2201.01-0217

CNM-1201.01-0076, Rev 0, ESCO drawing AA-43234, , Weld Bevel Detail, 31.00 I. D. Elbows, Nozzle Ends

VM-2201.01-0008, Rev B, ESCO drawing AD-22321, Machining - 31.00 I.D. x 29.00 I.D. Long Radius 50° Reducing Weld Elbow

CAP-15658-P, September, 2004, Flaw Evaluation Handbook for Catawba Unit 2 Steam Generator Primary Nozzle Weld Regions.

CN-2553-1.0, Rev 22, NC Flow Diagram.

CN-2NC-0013, Rev 13, Weld Isometric.

PIP C-04-5421

**Problem Investigation Process
Catawba Nuclear Station**

Calculation CNC-2206.01-00-0006, entitled Evaluation of 2EOC13 ISI Flaw in SG2C to Hot Leg Weld, contains the complete characterization and analytical evaluation of the flaw for acceptance without repair. See that calculation for more detail.

APPARENT CAUSE

The apparent cause of this flaw is the result of slag inclusion in the weld during fabrication. This determination is based on the best available information related to 1) flaw location within the pipe wall determined from the radiography examinations, 2) the film reading experience of the NDE Level III inspectors, 3) other flaw characteristics and 4) initial fabrication records. This flaw has been in place since original construction and is not service induced. The causing group has been marked as N/A since the problem has been classified as historical and the past corporate organizational structure was significantly different than our current structure. The identification of a causing group would not serve any value.

EXTENT OF CONDITION

As an initial fabrication defect, there is no direct transportability to other components, units or plants. ASME Section III and Section XI examinations are in place to preclude these type fabrication errors. The discovery of this particular defect is considered an isolated occurrence.

This flaw is isolated to the SG2C hot leg. The other SG connections (both SG to hot leg and cross over legs) were successfully examined during the outage without findings. The CNS Unit 1 welds are an entirely different configuration consisting of a stainless steel safeend between the SG nozzle and the cast austenitic piping.

CORRECTIVE ACTIONS

The flaw discovered during 2EOC13 has been shown as acceptable without repair for the life of plant based on analytical evaluation allowed by ASME XI, IWB-3132.4. However, successive examinations for the SG2C hot leg weld number 2NC-13-2 are necessary in the subsequent three ISI periods as required by IWB-2420. A corrective action will be generated to ensure that these inspections are added to the Catawba, Unit 2, ISI plan.

OEDB Comments:

Remarks Comments:

Signature Type	Indiv	Team	Group	Date
Due Date:	11/10/2004			
Accepted By:	TIM8390	GTH7317	MCE	10/12/2004
Assigned To:	WOC8363	DLW2990	MCE	10/12/2004
Ready For Approval:	WOC8363	DLW2990	MCE	11/15/2004
Approval Assigned To:	DLW2990	DLW2990	MCE	11/15/2004
Approved By:	DLW2990	DLW2990	MCE	11/16/2004

Corrective Actions

CA Seq. No: 1

Resp Group	Status	Orig Group	Event Code	Prop CAC	Cause Code
RGC	Closed	IWS	F8	A2	YYY

Proposed Corrective Action:

Notify the NRC of the Reportable indication.

Originated By: JFB8158: BUMGARNER, JAMES F Team: JLW3805 Group: IWS Date: 10/11/2004

Signature Type	Indiv	Team	Group	Date
Ready For Approval:	SRGADMIN		SRG	10/12/2004
Approval Assigned To:			SRG	10/12/2004
Approved By:	SRGADMIN		SRG	10/12/2004

General: Outage:

Mode:

**Problem Investigation Process
Catawba Nuclear Station**

Other Tracking Processes

Type Number Text

Actual Corrective Action:

Priority: I2 Actual CAC: J Status: Closed Due Date: 10/26/2004

The Catawba resident inspector, Region II, and ONRR were notified of the reportable indication during a conference call on 10/12/04. Formal docketed notification will take place when the fracture analysis report is submitted to NRC via CAC 2 of this PIP.

Originated By: LJR7353: RUDY, LAWRENCE J Team: LAK0244 Group: RGC Date: 10/13/2004

Signature Type	Indiv	Team	Group	Date
Due Date:	10/26/2004			
Accepted By:	LJR7353	LAK0244	RGC	10/13/2004
Assigned To:	LJR7353	LAK0244	RGC	10/13/2004
Approval Assigned To:	RDH5775	LAK0244	RGC	10/13/2004
Ready For Approval:	LJR7353	LAK0244	RGC	10/13/2004
Approved By:	RDH5775	LAK0244	RGC	10/13/2004

CA Seq. No: 2

Resp Group	Status	Orig Group	Event Code	Prop CAC	Cause Code
RGC	Closed	IWS	F8	A2	YYY

Proposed Corrective Action:

Provide Fracture Mechanics Analysis data to the NRC for their review prior to unit re-start.

Originated By: JFB8158: BUMGARNER, JAMES F Team: JLW3805 Group: IWS Date: 10/11/2004

Signature Type	Indiv	Team	Group	Date
Ready For Approval:	SRGADMIN		SRG	10/12/2004
Approval Assigned To:			SRG	10/12/2004
Approved By:	SRGADMIN		SRG	10/12/2004

General:Outage: 2EOC13 Mode: 2

Other Tracking Processes

Type Number Text

Actual Corrective Action:

Priority: I2 Actual CAC: J Status: Closed Due Date: 10/26/2004

The fracture mechanics evaluation and Westinghouse supporting WCAP were transmitted to the NRC via letter dated 10/19/04. Per previous discussion with NRC, prior NRC review and approval of the transmitted information is NOT required prior to restart, since the flaw was determined to be acceptable using ASME Code approved methodology. This item is closed.

Originated By: LJR7353: RUDY, LAWRENCE J Team: LAK0244 Group: RGC Date: 10/20/2004

Signature Type	Indiv	Team	Group	Date
Due Date:	10/26/2004			
Accepted By:	LJR7353	LAK0244	RGC	10/20/2004
Assigned To:	LJR7353	LAK0244	RGC	10/20/2004
Approval Assigned To:	RDH5775	LAK0244	RGC	10/20/2004
Ready For Approval:	LJR7353	LAK0244	RGC	10/20/2004

**Problem Investigation Process
Catawba Nuclear Station**

Signature Type	Indiv	Team	Group	Date
Approved By:	RDH5775	LAK0244	RGC	10/20/2004

CA Seq. No: 3

Resp Group	Status	Orig Group	Event Code	Prop CAC	Cause Code
ISI	ReadyForApprove	MCE	F3	J	R1

Proposed Corrective Action:

The flaw discovered during 2EOC13 has been shown as acceptable without repair for the life of plant based on analytical evaluation allowed by ASME XI, IWB-3132.4. However, successive examinations for the SG2C hot leg weld number 2NC-13-2 are necessary in the subsequent three ISI periods as required by IWB-2420. ISI group should ensure that these successive inspections are added to the Catawba, Unit 2, ISI plan.

Originated By: WOC8363: CALLAWAY, WILLIAM O Team: DLW2990 Group: MCE Date: 11/15/2004

Signature Type	Indiv	Team	Group	Date
Ready For Approval:	WOC8363	DLW2990	MCE	11/15/2004
Approval Assigned To:	DLW2990	DLW2990	MCE	11/15/2004

General: Outage: Mode:

Other Tracking Processes

Type Number Text

Actual Corrective Action:

Priority: N Actual CAC: Status: Due Date:

Signature Type	Indiv	Team	Group	Date
Assigned To:			ISI	11/15/2004

Final and Overall PIP Approval

Responsible Group: IWS Status: Screened

Signature Type	Indiv	Team	Group	Date
Assigned To:			IWS	10/11/2004

Any Supplemental Concurrence Signatures Above Do Not Affect PIP Closure.

Closure Document Type

Closure Document No

Attachments

Generic Applicability

Responsible Group: Status:
GO PIP No:

**Problem Investigation Process
Catawba Nuclear Station**

Assessment Remarks:

No Current Signatures For This Section

Failure Prevention Investigation

No FPI Records for this PIP.

Remarks

No Remarks for this PIP.

Maintenance Rule

Responsible Group: MCE

Status: Open

Maintenance Rule SSC

SSC	Description	Risk Significant	Primary System
NC	Reactor Coolant		No

Equipment Group:

Applicable Unit:

Functional Failure: Yes

MPFF: No

Repetitive MPFF: No

Functional Failure Comments:

MPFF Comments:

Repetitive MPFF Comments:

Reactor Trip: No

Safety System Actuation: No

Force Outage Rate or Plant Transient: No

Loss of Heat Decay Removal: No

Loss Of Spent Fuel: No

Comments:

Signature Type	Indiv	Team	Group	Date
Due Date:	12/16/2004			
Assigned To:	SLM4105	SMS8381	MCE	10/12/2004

End of the Document for PIP No:

C-4-5421

The status of this PIP is:

Screened

The duration of this PIP was:

0 days

5.0 Owner's Report for Repair / 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.

The NIS-2 forms included in this section were completed for work performed during this report period.

The individual work request documents and manufacturers' data reports are on file at Catawba 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 2 items during this report period. All Class 1 and 2 PSI examination data listed in the following log is on file in the Catawba Nuclear Station QA Vault.

Work Order	Code Class	Sys	MOD No.	Type of Inspection	Description of Work	Repair, Replacement	Flaw Indication Maint/ ISI (*Yes No)	Owner Final	ANII Final
98639181-05	A	NC	NA	VT	S/R 2-R-NC-1680	Replacement	No	10/19/2004	10/20/2004
98639695-04	A	NC	NA	VT	Pivot Pin for 2-R-NC-1691	Replacement	No	11/17/2004	11/18/2004
98639695-05	A	NC	NA	VT	VALVE 2NC-2	Replacement	No	12/8/2004	12/9/2004
98452198-02	B	NI	CE61688	VT	Install Piping in Oil System	Replacement	No	9/3/2003	9/8/2003
98452266-02	B	NI	CE61689	VT	Replace Piping NI Lube Oil Sys.	Replacement	No	8/11/2003	8/13/2003
98466043-01	B	ND	CE70742	PT,VT	Valve 2ND-61	Replacement	No	10/27/2004	10/27/2004
98466058-01	B	ND	CE70742	PT,VT	Valve 2ND-60	Replacement	No	10/27/2004	10/27/2004
98488255-08	B	CF	CE61809	VT, PT	Valve 2CF-170	New	No	12/8/2004	12/9/2004
98488255-09	B	CF	CE61809	VT, PT	Valve 2CF-171	New	No	12/8/2004	12/13/2004
98488255-10	B	CF	CE61809	VT, PT	Valve 2CF172	New	No	12/8/2004	12/14/2004
98488255-11	B	CF	CE61809	VT, PT	Valve 2CF-173	New	No	12/8/2004	12/13/2004
98503335-25	B	NS	21432/01	VT	NS HX "2B" Manway Cover Bolting	Replacement	No	10/27/2004	10/27/2004
98503335-26	B	NS	21432/01	VT	Containment Spray HX "2B"	Replacement	No	12/15/2004	12/27/2004
98520607-01	B	NI	NA	VT	Valve 2NI-102	Replacement	No	10/11/2004	10/11/2004
98589495-01	B	NV	NA	VT	Bolting for CCP 2B	Replacement	No	9/30/2003	10/1/2003
98590899-02	B	NV	NA	VT,PT	Valve 2NV-315	Replacement	No	11/1/2004	11/3/2004
98590953-01	B	NV	NA	PT,VT	Valve 2NV-326	Replacement	No	10/27/2004	11/4/2004
98599619-01	B	SV	NA	VT	Repair Seat Leak to 2SV-1	Replacement	No	9/3/2003	9/29/2003
98605085-01	B	CF	CE73281	VT,PT,RT	Valve 2CF-088	Replacement	No	11/3/2004	11/4/2004
98605087-01	B	CF	CE73281	VT,PT,RT	Valve 2CF-87	Replacement	No	12/9/2004	12/9/2004
98607879-01	B	NV	NA	RT,PT,VT	Valve 2NV-181	Replacement	No	10/27/2004	11/3/2004
98619446-01	B	ND	NA	VT	RHR Pump Motor 2A	Replacement	No	11/16/2004	11/17/2004
98621798-09	B	CA	NA	VT	Valve Plug for 2CA-64	Replacement	No	10/20/2004	10/21/2004
98621805-09	B	CA	NA	VT	Valve plug for 2CA-44	Replacement	No	10/20/2004	10/21/2004
98621806-09	B	CA	NA	VT	Valve Plug for 1CA-40	Replacement	No	10/20/2004	10/21/2004
98621868-01	B	SM	CE73094	VT	Valve 1SM-105	Replacement	No	11/2/2004	11/3/2004
98626361-05	B	NF	CE62112	VT	2NF-228A Bolting	Replacement	No	12/14/2004	12/14/2004
98626362-05	B	NF	CE62112	VT	2NF-234A Bolting	Replacement	No	12/14/2004	12/14/2004
98631591-01	B	BB	CE62293	PT,VT	Valve 2BB-17	Replacement	No	10/27/2004	11/4/2004
98639181-03	B	NC	NA	VT	2-R-NC-1520	Replacement	No	10/5/2004	10/6/2004
98639181-12	B	NV	NA	VT	2-R-NV-1905	Replacement	No	10/5/2004	10/6/2004
98639721-01	B	ND	NA	VT	Valve 2ND-03	Replacement	No	12/14/2004	12/14/2004
98639722-01	B	ND	NA	VT	Valve 2ND-031	Replacement	No	12/7/2004	12/7/2004
98639723-01	B	ND	NA	VT	Valve 2ND-035	Replacement	No	12/7/2004	12/7/2004
98639724-01	B	ND	NA	VT	VALVE 2ND-38	Replacement	No	12/8/2004	12/9/2004

98639725-01	B	ND	NA	VT	Valve 2ND-064	Replacement	No	12/7/2004	12/7/2004
98639915-01	B	NV	NA	VT	Valve 2NV-223	Replacement	No	10/14/2004	10/21/2004
98639916-01	B	NV	NA	VT	Valve 2NV-273	Replacement	No	10/13/2004	10/22/2004
98639930-10	B	SM	NA	VT	Bolt for SG 2B Manway Cover	Replacement	No	10/28/2004	11/3/2004
98639958-01	B	SM	NA	VT	SG 2D Manway Cover	Replacement	No	10/28/2004	11/3/2004
98640008-01	B	SV	NA	VT	Valve Disc 2SV-9	Replacement	No	10/4/2004	10/8/2004
98640009-01	B	SV	NA	VT	Valve Disc 2SV-12	Replacement	No	10/4/2004	10/8/2004
98640010-01	B	SV	NA	VT	Valve Disc 2SV-14	Replacement	No	9/30/2004	10/4/2004
98640011-01	B	SV	NA	VT	Valve Disc 2SV-15	Replacement	No	4-Oct	10/8/2004
98640012-01	B	SV	NA	VT	Valve Disc 2SV-17	Replacement	No	10/4/2004	10/8/2004
98640781-01	B	NV	NA	VT	VALVE 2NV-87	Replacement	No	12/8/2004	12/9/2004
98641315-20	B	NS	21446/01	VT,PT,RT	Install NS Piping for NS HX "2A"	New	No	12/15/2004	12/29/2004
98641315-28	B	NS	21446/01	VT	NS HX "2A" Manway Cover Bolting	Replacement	No	10/27/2004	10/27/2004
98641315-29	B	NS	21446/01	VT	Containment Spray HX "2A"	Replacement	No	12/15/2004	12/27/2004
98641914-01	B	SV	NA	VT	Disc for Valve 2SV006	Replacement	No	9/26/2004	9/27/2004
98641963-01	B	SV	NA	VT	Valve Disc 2SV-2	Replacement	No	9/30/2004	10/4/2004
98641967-01	B	SV	NA	VT	Disc for Valve 2SV-23	Replacement	No	9/26/2004	9/27/2004
98641969-01	B	SM	NA	VT,PT	Weld repair 2SM-001	Repair	No	11/2/2004	11/2/2004
98641969-07	B	SM	NA	VT/PT	BMR for Valve 2SM-1	Repair	No	10/4/2004	10/8/2004
98642541-01	B	NI	NA	VT	Valve 2NI-119	Replacement	No	10/13/2004	10/22/2004
98642543-01	B	NI	NA	VT	VALVE 2NI-151	Replacement	No	10/13/2004	10/22/2004
98642546-01	B	NI	NA	VT	Valve 2NI-161	Replacement	No	10/14/2004	10/21/2004
98642548-01	B	NV	NA	VT	Valve 2NV-14	Replacement	No	12/14/2004	12/14/2004
98642549-01	B	NV	NA	VT	Valve 2NV-222	Replacement	No	10/14/2004	10/21/2004
98655501-01	B	NS	CNCE-62339	VT	Bolting for NS Pump 2B	Replacement	No	9/26/2004	9/27/2004
98668677-04	B	NS	CE62362	VT,PT,RT	NS Piping	New	No	12/6/2004	12/7/2004
98669215-04	B	NS	CE62362	VT,PT,RT	NS Piping	New	No	11/18/2004	11/22/2004
98679862-01	B	FW	NA	VT	Bolting for FWST Conn.	Replacement	No	11/29/2004	12/6/2004
98691038-01	B	SV	NA	VT	Valve Disc 2SV-8	Replacement	No	10/4/2004	10/8/2004
98694269-01	B	NV	NA	VT	U Bolt for 2-R-NV-1186	Replacement	No	10/18/2004	10/20/2004
98443448-01	C	YC	NA	VT,PT	Weld Repair YC Chiller 2CRA-C-1	Repair	No	3/19/2004	5/6/2004
98453424-06	C	RN	NA	VT	RCP Oil Cooler Bolting	Replacement	No	10/5/2004	10/6/2004
98503335-16	C	RN	21432/01	VT,PT	RN Piping for NS HX "2B"	New	No	12/15/2004	12/29/2004
98503335-88	C	RN	21432/01	VT	Bolting for 2RNFE5850	Replacement	No	12/15/2004	12/27/2004
98503335-89	C	RN	21432/01	VT	Restore RN Piping	Replacement	No	12/15/2004	12/27/2004
98503335-90	C	RN	21432/01	VT	Restore RN Piping	Replacement	No	12/15/2004	12/27/2004
98552262-01	C	CA	NA	VT	Valve 2CA-173 Disc	Replacement	No	11/2/2004	11/2/2004
98573959-01	C	KC	NA	VT	Valve 2KC-105/Bolting	Replacement	No	10/13/2004	10/22/2004

98573959-14	C	KC	CE72709	VT,PT	Welds for valve 2KC-105	Replacement	No	11/1/2004	11/2/2004
98621567-01	C	VG	NA	VT	VG HX Tubes	Replacement	No	1/7/2004	1/20/2004
98621799-07	C	CA	NA	VT	Valve plug for 2CA-60	Replacement	No	10/20/2004	10/21/2004
98621801-11	C	CA	NA	VT	Valve Plug 2CS-56	Replacement	No	10/4/2004	10/6/2004
98621803-08	C	CA	NA	VT	Valve plug for 2CA-48	Replacement	No	10/27/2004	11/3/2004
98639104-01	C	KD	NA	VT	Retube DG HX "2B"	Repair	No	9/30/2004	10/4/2004
98639111-01	C	KC	NA	VT	Valve 2KC-281	Replacement	No	11/1/2004	11/3/2004
98641315-19	C	RN	21446/01	VT,PT	RN Piping For NS HX "2A"	New	No	12/15/2004	12/27/2004
98641315-96	C	RN	21446/01	VT	Bolting for 2RNFE5800	Replacement	No	12/15/2004	12/27/2004
98641315-97	C	RN	21446/01	VT	Restore RN Piping	Replacement	No	12/14/2004	12/27/2004
98641315-98	C	RN	21446/01	VT	Restore RN Piping	Replacement	No	12/14/2004	12/27/2004
98641672-06	C	RN	NA	VT	NSW Strainer 2A Bolting	Replacement	No	10/27/2004	10/27/2004
98641672-12	C	RN	NA	VT,PT	RN Strainer "2A" Piping	Replacement	No	11/1/2004	11/2/2004
98641940-02	C	RN	NA	VT,PT	Service Wtr. Pump 2A	Replacement	No	11/16/2004	11/17/2004
98641950-01	C	RN	NA	VT	Valve Body 2RN-351	Replacement	No	9/30/2004	10/4/2004
98641958-01	C	RM	NA	VT	Valve 2RN291	Replacement	No	11/2/2004	11/3/2004
98642077-03	C	CF	NA	VT	Bolting for 2CF37	Replacement	No	10/19/2004	10/20/2004
98642175-13	C	RN	NA	VT	Bolting for 2RN-49A	Replacement	No	9/26/2004	9/27/2004
98642509-06	C	NV	NA	VT	Valve 2NV-182	Replacement	No	12/7/2004	12/7/2004
98642514-01	C	KC	NA	VT	Valve 2KC-086	Replacement	No	12/7/2004	12/7/2004
98642515-01	C	KC	NA	VT	Valve 2KC-61	Replacement	No	12/9/2004	12/9/2004
98648312-01	C	KC	NA	VT	2KC-107 Disc Assembly	Replacement	No	6/3/2004	6/8/2004
98648314-01	C	KC	NA	VT	2KC-111 Valve Disc	Replacement	No	7/7/2004	7/22/2004
98670921-01	C	KF	NA	VT	Bolting for KF Flanges	Replacement	No	11/4/2004	11/4/2004
98677902-01	C	RN	NA	PT,VT	REPAIR WELD 0RN57-8	Repair	No	10/27/2004	10/27/2004
98689416-01	C	NV	NA	VT,PT	BMR for Boric Acid Tank	Repair	Yes PIP C-04-4251	11/1/2004	11/2/2004
98692023-01	C	RN	NA	VT	Bolting for 2RN-835	Replacement	No	12/15/2004	12/27/2004
98694258-01	C	YC	CE62361	VT	Condenser 2B Bolting	Replacement	No	12/7/2004	12/8/2004
98503335-17	NF	NS	21432/01	VT	Install NS Piping for NS HX "2B"	New	No	12/16/2004	1/5/2005
98633115-01	NF	KC	NA	VT	Stiffener Pl. to KC Surge Tk 2B	New	No	2/16/2004	2/17/2004
98633116-01	NF	KC	NA	VT	Stiffener Pl. to KC Surge Tk 2A	New	No	2/16/2004	2/17/2004
98641861-03	NF	NV	NA	VT	Pivot Pin for 2-R-NV-129	Replacement	No	10/28/2004	11/3/2004
98694447-01	NF	SM	NA	PT,VT	Weld Repair 2-R-SM-1582	Repair	No	10/27/2004	11/3/2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 09/03/03

Sheet 1 of 1

Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98452198-02

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE61688

Expiration Date N/A4 Identification of System NI SAFETY INJECTION SYSTEMClass B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Pipe/Fittings	Duke Power Co.	C-2NI	172	1 1/4" Pipe-SA106, Cap, Tee, 90 ell & Coupling- SA105	NA	Replacement	No
B	Pipe Welds	Duke Power Co.	C-2NI	172	Welds # 1201.05-0075-2A3,4,5,6,7,8,9	2003	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 reports included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

7. Description of Work Install piping in the NI Sys. 2A Pump Oil System._

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

9. Remarks _ Code Cases _ NONE _

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. STA TECH SPEC Date 9/8, 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 Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 10-1-02 to 9-8-03 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 measure described in this Owners 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.

Robert M. Hill
Inspector's Signature

Commissions NC 978

Date 9-8, 2003

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 08/11/03

Sheet 1 of 1

Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☒ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98452266-02

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE61689

Expiration Date N/A4 Identification of System NI SAFETY INJECTION SYSTEMClass B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Pipe/Fittings	Duke Power Co.	C-1NI	128	1 1/4" Pipe- SA106, Coupling, Cap, Tee, 90 Ell- SA105	NA	Replacement	No
B	Welds	Duke Power Co.	C-1NI	128	1201.05-0075-2B-3,4,5,6,7,8,9	2003	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Prevention of Wtr. in 2B NI Lube Oil System_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt ☒
Pressure psig Test Temp. deg.F.

9. Remarks _ Code Cases _ N-416-2_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. STA TECH SPEC Date 8/11, 20 05
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period from 8-13-02 to 8-13-03 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 measure described in this Owners 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.

Robert M. Hill
Inspector's Signature

Commissions NC 978

Date 8-13, 2003

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/27/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98466043-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE70742

Expiration Date N/A

4 Identification of System

Class B

ND RESIDUAL HEAT REMOVAL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	Valve	Fisher	BF226606	4817	Valve tag 2ND-61	1979	Replaced	Yes
B	Valve	Fisher	16105874	7331	Valve tag 2ND-61	2002	Replacement	Yes
C	Bolting	Duke Power Co.	NA	NA	Rod-SA193, Hex Nuts-SA194 For valve 2ND-61	NA	Replacement	No
D							-	-
E							-	-
F							-	-

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 reports 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 Replace Valve 2ND-61_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 500 psig Test Temp. 167 deg.F.

9. Remarks _ Code Cases _ NONE _____

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed

Paul L. Smith
Owner or Owner's Designee, Title

TECH SPEC

Date 10/27, 2004

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-17-04 to 10-27-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McNeil
Inspector's Signature

Commissions NC 978

Date 10-27, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/27/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98466058-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE70742

Expiration Date N/A

4 Identification of System

Class B

ND RESIDUAL HEAT REMOVAL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Fisher	BF226603	4850	Valve tag 2ND-60	1979	Replaced	Yes
B	Valve	Fisher	16098006	7334	Valve tag 2ND-60	2002	Replacement	Yes
C	Bolting	Duke Power Co.	NA	NA	Rod-SA193, Hex Nuts-SA194 For valve 2ND-60	NA	Replacement	No
D							-	-
E							-	-
F							-	-

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 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 Replace Valve 2ND-60_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 500 psig Test Temp. 167 deg.F.

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith
Owner or Owner's Designee, Title

TECH SPEC

Date 10/27, 2004

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-21-04 to 10-17-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Li
Inspector's Signature

Commissions NC 978

Date 10-27, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/08/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98488255-08

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE61808

Expiration Date N/A4 Identification of System CF MAIN FEEDWATER SYSTEMClass B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Flowserve	77AZP	1375	2CF-170	2004	New	Yes
B	Pipe/Fittings	Duke Power Co.	C-2CF	158	2"Pipe- SA335, 90 ell-SA182, H/Cplg.- SA182 2" Cap- SA105	NA	New	No
C	Pipe Welds	Duke Power Co.	C-2CF	158	2CF38-55,56 2CF107-20 thru 35	2004	New	No
D							-	-
E							-	-
F							-	-

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7. Description of Work _____

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 998 psig Test Temp. 427 deg.F.

9. Remarks _ Code Cases _ N-416-2 USING SECT. III 1992 NDE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L Smith TECH SPEC Date 12/8, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 3-9-04 to 12-9-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McGill
Inspector's Signature

Commissions NC 978

Date 12-9, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/08/04

Sheet 1 of 2

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98488255-09

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE61809

Expiration Date N/A4 Identification of System CF MAIN FEEDWATER SYSTEMClass B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Flowserve	76AZP	1374	2CF-171	2004	New	Yes
B	Pipe/Fittings	Duke Power Co.	C-2CF	158	2" Pipe-SA335, 90ell- SA182, H/Cplg- SA182 2"Pipe Cap-SA105	NA	New	No
C	Pipe Welds	Duke Power Co.	C-2CF	158	2CF102-58 2CF104-25 thru 44 2CF37-90 2CF60-41	2004	New	No
D							-	-
E							-	-
F							-	-

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/08/04

Sheet 2 of 2

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98488255-09

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE61809

Expiration Date N/A4 Identification of System CF MAIN FEEDWATER SYSTEMClass NF

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Pipe Clamp	Anvil International	NA	NA	2-R-CF-1724	NA	Replacement	No
B	Welds	Duke Power Co.	C-2CF	158	2-R-CF-1724-3	2004	New	No
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Replace CF Piping and Valve 2CF-171_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 1007 psig Test Temp. 428 deg.F.

9. Remarks _ Code Cases _ N-416-2 USING SECT. III 1992 NDE_Functional completed on task 14 and 16.

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith TECH SPEC Date 12/8, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 3-31-04 to 12-13-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Hill
Inspector's Signature

Commissions NC 978

Date 12-13, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/08/04

Sheet 1 of 2

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98488255-10

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE61809

Expiration Date N/A4 Identification of System CF MAIN FEEDWATER SYSTEMClass B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Flowserve	78AZP	1376	2CF172	2004	New	Yes
B	Pipe/Fittings	Duke Power Co.	C-2CF	158	2" Pipe- SA335, 90 ell- SA182, H/Cplg- SA182	NA	New	No
C	Pipe Welds	Duke Power Co.	C-2CF	158	2CF100-97 thru 122 2CF57-48	NA 2004 C.S. 12/8/04	New	No
D							-	-
E							-	-
F							-	-

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/08/04

Sheet 2 of 2

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98488255-10

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE61809

Expiration Date N/A4 Identification of System CF MAIN FEEDWATER SYSTEMClass NF

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Pipe Clamp	Anvil International	NA	NA	2-R-CF-1722	NA	Replacement	No
B	Weld	Duke Power Co.	C-2CF	158	2-R-CF-1722-5	2004	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Replace CF Piping and Valve 2CF-172_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 1008 psig Test Temp. 427 deg.F.

9. Remarks _ Code Cases _ N-416-2 USING SECT. III 1992 NDE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed

Paul L. Smith
Owner or Owner's Designee, Title

TECH SPEC

Date

12/8, 2004

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 3-9-04 to 12-14-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McNeil
Inspector's Signature

Commissions NC 978

Date 12-14, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/08/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98488255-11

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE61809

Expiration Date N/A4 Identification of System CF MAIN FEEDWATER SYSTEMClass B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Flowserve	79AZP	1377	2CF-173	2004	New	Yes
B	Pipe/Fitting	Duke Power Co.	C-2CF	158	2"Pipe- SA335, 90 ell- SA182, H/Cplg- SA182 2" Cap- SA105	NA	New	No
C	Welds	Duke Power Co.	C-2CF	158	2CF-98-26 2CF99-34 thru 55	2004	New	No
D							-	-
E							-	-
F							-	-

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 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 Replace CF Piping and Valve 2CF173_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 996 psig Test Temp. 427 deg.F.

9. Remarks _ Code Cases _N-416-2 USING SECT. III 1992 NDE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed

Paul L. STA
Owner or Owner's Designee, Title

TECH SPEC

Date

12/8, 2004

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 3-9-04 to 12-13-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Bell
Inspector's Signature

Commissions NC 978

Date 12-13, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/15/04

Sheet 12/16/04 / of 3Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98503335-17

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # 21432/01

Expiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEM Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Pipe Welds	Duke Power Co.	C-2NS	150	Welds #2NS72-28 thru 37, 2NS84-11 thru 19, 2NS85-7, 2NS158-3 thru 6	2004	New	No
B					2NS80-9 thru 17, 2NS53-45 thru 51, BMR-1		-	-
C	Valve	Walworth	A2117	873	2NS-008	1977	Replaced	Yes
D	Valve	Flowserve	E264T-1-1	2716	2NS-008	2001	Replacement	Yes
E							-	-
F							-	-

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/15/04

Sheet 2 of 3

Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98503335-17/ 98707981-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # 21432/01

Expiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEMClass NF

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Welds	Duke Power Co.	C-2NS	150	Welds #2-R-NS-0090-1,2 2-R-NS-0050-1,2	2004	New	No
B	Sway Strut	Anvil International	41-50842/2001-323	NA	2-R-NS-0050	2001	Replacement	Yes
C	Sway Strut	Anvil Internatinal	41-52638/2002-53	NA	2-R-NS-0090	2002	Replacement	Yes
D	Bracket/Pipe Clamps	Anvil International	NA	NA	2-R-NS-0050 2-R-NS-0090	NA	Replacement	No
E							-	-
F							-	-

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/15/04

Sheet 3 of 3Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98503335-17

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # 21432/01

Expiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEMClass B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Pipe/Fittings	Duke Power Co.	C-2NS	150	10" Pipe-SA312, 90 ell-SA403, 45 ell-SA403, Tee-SA403, 10x4 Red.-SA403	NA	New	No
B					2x1 Red.Ins-SA182, 2'Pipe-SA312, 90 ell-SA182, Full Cplg.-SA182		-	-
C					4'Pipe-SA312, 45ell-SA403, 90 ell-SA403, 2"Cap-SA182, 2"Flg.-SA182		-	-
D	Bolting	Duke Power Co.	NA	NA	Threaded Rod-SA193 Hex Nuts-SA194	NA	New	No
E							-	-
F							-	-

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 reports included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

7. Description of Work Install NS piping to NS Heat Exchanger 2B_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 250 psig Test Temp. 101.66 deg.F.

9. Remarks _ Code Cases _N-416-2 USING SECT. III 1992 NDE_Functional completed on task 34.

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L Smith TECH SPEC Date 12/16, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 7-12-04 to 12-28-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McGill
Inspector's Signature

Commissions NC 978

Date 1-5, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/27/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98503335-25

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # 21432/01

Expiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEM

Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Bolting	Duke Power Co.	NA	NA	Containment Spray Heat Exchanger "2B" Manway Cover	NA	Replacement	No
B							-	-
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Close NS HX Manway_

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

9. Remarks _ Code Cases _ NONE _

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. STA TECH SPEC Date 10/27, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 10-11-04 to 10-27-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert Medill
Inspector's Signature

Commissions NC 978

Date 10-27, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/15/04

Sheet 1 of 2

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98503335-26

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # 21432/01

Expiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEMClass B/NF 222 1/4/05
RNM 1/4/05

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Heat Exchanger	YUBA	74-N-0009-2B	3331	Containment Spray Heat Exchanger "2B"	1978	Replaced	Yes
B	Heat Exchanger	Joseph Oat Corp.	2636B	3449	Containment Spray Heat Exchanger "2B"	2004	Replacement	Yes
C	Sway Strut	Anvil International	41-63740/2004-957	NA	2-E-NS-0102	2004	New	Yes
D	Sway Strut	Anvil International	41-63740/2004-950	NA	2-E-NS-0102	2004	New	Yes
E	Sway Strut	Anvil International	41-63740/2004951	NA	2-E-NS-0102	2004	New	Yes
F	Sway Strut	Anvil International	41-63740/2004-956	NA	2-E-NS-0102	2004	New	Yes

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/15/04

Sheet 2 of 2

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98503335-26

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # 21432/01

Expiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEM Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Brackets/Pipe Clamps	Anvil International	NA	NA	For S/R 2-E-NS-0102	NA	Replacement	No
B	Welds	Duke Power Co.	C-2NS	150	Welds # 2-NS-102-9 thru 16	2004	New	No
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Replace NS Heat Exchanger "2B" _

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 250 psig Test Temp. 101.6 deg.F.

9. Remarks _ Code Cases _ N-416-2 USING SECT. III 1992 NDE_Functional completed on task 34.

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paulton L Smith TECH SPEC Date 12/15, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 7-27-04 to 11-23-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Gill
Inspector's Signature

Commissions NC 978

Date 12-22, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/11/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98520607-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System NI SAFETY INJECTION SYSTEM

Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Dresser	TG-33980	1837	Valve tag 2NI-102	1984	Replaced	Yes
B	Valve	Dresser	TG-80181	1893	Valve tag 2NI-102	1986	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Replace Valve 2NI-102_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 20 psig Test Temp. 87 deg.F.

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Sita TECH SPEC Date 10/11, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-20-04 to 10-11-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Hill
Inspector's Signature

Commissions NC 978

Date 10-11, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 09/30/03

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98589495-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

NV CNEMICAL VOLUME CONTROL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	Bolting	Duke Power Co.	NA	NA	Centrifugal Charging Pump 2B Suction Nozzle	NA	Replacement	No
B							-	-
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 I/R Boron on Suction & Discharge_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt ☒
Pressure psig Test Temp. deg.F.

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith TECH SPEC Date 9/30, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-8-03 to 10-1-03 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 measure described in this Owners 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.

Robert M. Smith Commissions NC 978
Inspector's Signature

Date 10-1, 2003

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 11/01/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98590899-02

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

NV CNEMICAL VOLUME CONTROL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Anderson Greenwood	N29052	2382	Valve tag 2NV-315	1994	Replaced	Yes
B	Valve	Anderson Greenwood	97-38491	2382	Valve tag 2NV-315	1998	Replacement	Yes
C	Pipe	Duke Power Co.	C-2NV	170	2" Pipe- SA376	NA	Replacement	No
D	Pipe Welds	Duke Power Co.	C-2NV	170	Weld #2NV626 13,14,15,16	2004	Replacement	No
E							-	-
F							-	-

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 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 Replace Valve 2NV-315_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 2354 psig Test Temp. 92.8 deg.F.

9. Remarks _ Code Cases _N-416-2 USING SECT. III 1992 NDE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Stettin TECH SPEC Date 11/1, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 3-22-04 to 11-3-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Stettin
Inspector's Signature

Commissions NC 978

Date 11-3, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/27/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98590953-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

NV CNEMICAL VOLUME CONTROL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Anderson Greenwood	98-14848	2628	Valve tag 2NV-326	1998	Replaced	Yes
B	Valve	Anderson Greenwood	98-14847	2627	Valve tag 2NV-326	1998	Replacement	Yes
C	Pipe	Duke Power Co.	C-2NV	170	2" Pipe- SA376	NA	Replacement	No
D	Pipe Welds	Duke Power Co.	C-2NV	170	Weld #2NV625-13,14,15,16	2004	Replacement	No
E							-	-
F							-	-

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 reports 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 Replace Valve 2NV326_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 2354 psig Test Temp. 92.8 deg.F.

9. Remarks _ Code Cases _ N-416-2 USING SECT. III 1992 NDE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L Smith TECH SPEC Date 10/27, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 4-8-04 to 11-4-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Smith
Inspector's Signature

Commissions NC 978

Date 11-4, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 09/03/03

Sheet 1 of 1

Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98599619-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

SV MAIN STEAM VENT TO ATMOSPHERE

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Plug Assembly	CCI	S/N 8	NA	For valve tag 2SV-1	1984	Replaced	No
B	Plug Assembly	CCI	S/N 7	NA	For valve tag 2SV-71 C22 9/3/03	NA	Replacement	No
C	Bolting	Duke Power Co.	NA	NA	Hex Nut- SA194	NA	Replacement	No
D							-	-
E							-	-
F							-	-

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 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 Repair Seat Leak to 2SV-1_

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

9. Remarks _ Code Cases _ NONE _

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paulton L Smith TECH SPEC Date 9/3, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 7-21-03 to 9-29-03 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 measure described in this Owners 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.

Robert McMill
Inspector's Signature

Commissions NC 978

Date 9-29, 2003

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 11/03/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98605085-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE73281

Expiration Date N/A4 Identification of System CF MAIN FEEDWATER SYSTEMClass B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	BW/IP	44426	1435	Valve tag 2CF-088	1979	Replaced	Yes
B	Valve	BW/IP	58841	2228	Valve tag 2CF-088	1980	Replacement	Yes
C	Pipe Welds	Duke Power Co.	C-2CF	158	Welds #2CF59-34,35,36,52,53	2004	Replacement	No
D	Pipe	Duke Power Co.	C-2CF	158	2" Pipe- SA376, 2" Pipe-SA106	NA	Replacement	No
E	Bolting	Duke Power Co.	NA	NA	Hex Nuts-A563, Cotter Pin for S/R 2-R-CF-1650	NA	Replacement	No
F							-	-

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 reports 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 Replace Valve 2CF-088_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 1010 psig Test Temp. 426 deg.F.

9. Remarks _ Code Cases _N-416-2 USING SECT. III 1992 NDE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul D. Smith TECH SPEC Date 11/3, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-19-04 to 11-4-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McMill
Inspector's Signature

Commissions NC 978

Date 11-4, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/09/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98605087-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE73281

Expiration Date N/A4 Identification of System CF MAIN FEEDWATER SYSTEMClass B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Borg Warner	58857	2265	2CF-87	1980	Replaced	Yes
B	Valve	Borg Warner	58842	2229	2CF-87	1980	Replacement	Yes
C	Pipe	Duke Power Co.	C-2CF	158	2"Pipe- SA376 2"Pipe- SA106	NA	Replacement	No
D	Pipe welds	Duke Power Co.	C-2CF	158	2CF98-14, 15, 16, 17, 27, 28	2004	Replacement	No
E							-	-
F							-	-

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 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 Replace Valve 2CF-87_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 997 psig Test Temp. 426 deg.F.

9. Remarks _ Code Cases __N-416-2 USING SECT. III 1992 NDE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith TECH SPEC Date 12/9, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-20-04 to 12-9-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McMill
Inspector's Signature

Commissions NC 978

Date 12-9, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/27/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98607879-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

NV CNEMICAL VOLUME CONTROL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Kerotest	CAB21-2	24281	Valve tag 2NV-181A <i>CL5 11/3/04</i>	1978	Replaced	Yes
B	Valve	Kerotest	DAP7-4	32104	Valve tag 2NV-181A <i>CL5 11/3/04</i>	1981	Replacement	Yes
C	Pipe	Duke Power Co.	C-2NV	170	2" Pipe- SA312	NA	Replacement	No
D	Pipe Welds	Duke Power Co.	C-2NV	170	Weld #2NV178-1,2 2NV179-9	2004	Replacement	No
E							-	-
F							-	-

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 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 Replace Valve 2NV-181_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 20.5 psig Test Temp. 83.8 deg.F.

9. Remarks _ Code Cases _ N-416-2 USING SECT. III 1992 NDE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed [Signature] TECH SPEC Date 11/3, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 1-14-04 to 11-3-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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]
Inspector's Signature

Commissions NC 978

Date 11-3, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 11/16/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98619446-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class 2B
cls 11/14/04

ND RESIDUAL HEAT REMOVAL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Mechanical Seal	Dura Mettalic	K080027/6/01	NA	Residual Heat Removal Pump 2A	NA	Replaced	No
B	Mechanical Seal	Dura Metallic	K000236/7/03	NA	Residual Heat Removal Pump 2A	NA	Replacement	No
C	Suffing Box Cover	Ingersoll Rand	79637	NA	Residual Heat Removal Pump 2A	NA	Replaced	No
D	Stuffing Box Cover	Ingersoll Rand	78890	NA	Residual Heat Removal Pump 2A	NA	Replacement	No
E							-	-
F							-	-

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 reports 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 Replace RHR Pump Motor 2A_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 240 psig Test Temp. 104 deg.F.

9. Remarks _ Code Cases _ NONE Pump assemblies were installed on work order 98693579-01 and functional completed on work order 98693579-04.

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. STA
Owner or Owner's Designee, Title

TECH SPEC

Date 11/16, 20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 5-19-04 to 11-17-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Li
Inspector's Signature

Commissions NC 978

Date 11-17, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/20/04

Sheet 1 of 1

Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98621798-09

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System CA AUXILIARY FEEDWATER SYSTEM Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	Plug Assembly	Fisher	6755383	NA	Valve 2CA-64	NA	Replaced	No
B	Plug Assembly	Fisher	6755389	NA	Valve 2CA-64	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Rebuild Valve 2CA-64_

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

9. Remarks _ Code Cases _ NONE _

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith TECH SPEC Date 10/20, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 10-13-04 to 10-21-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert Smith
Inspector's Signature

Commissions NC 978

Date 10-21, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/20/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98621805-09

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System CA AUXILIARY FEEDWATER SYSTEM Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Plug Assembly	Fisher	6755389	NA	Valve 2CA-44	NA	Replaced	No
B	Plug Assembly	Fisher	6755388	NA	Valve 2CA-44	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Rebuild Valve 2CA-44_

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

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith TECH SPEC Date 10/20, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 10-9-04 to 10-21-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Smith
Inspector's Signature

Commissions NC 978

Date 10-21, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/20/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98621806-09

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System CA AUXILIARY FEEDWATER SYSTEM Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	Plug Assembly	Fisher	6755388	NA	Valve 2CA-40	NA	Replaced	No
B	Plug Assembly	Fisher	6755391	NA	Valve 2CA-40	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Rebuild Valve 2CA-40_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt ☒
Pressure psig Test Temp. deg.F.

9. Remarks _ Code Cases _ NONE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith TECH SPEC Date 10/20, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 10-9-04 to 10-21-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert Smith
Inspector's Signature

Commissions NC 978

Date 10-21, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 11-2-04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98621868-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A3b NSM or MN # CNCE-73094Expiration Date N/A4 Identification of System SM MAIN STEAM SYSTEMClass B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	VALVE	Borg Warner	59059	2243	2SM105	1980	Replaced	Yes
B	VALVE	Vogt	E371A-46-1	2518	2SM105	2000	Replacement	Yes
C	PIPE WELD	DUKE POWER CO.	C-2SM	162	WELD# 2SM70-23	2004	New	No
D							-	-
E							-	-
F							-	-

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 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 REPLACE VALVE 2SM105_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 937 psig Test Temp. 536 deg.F.

9. Remarks _ Code Cases __N-416-2 USING SECT. III 1992 NDE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed [Signature] TECH SPEC Date 11/2/2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 6-7-04 to 11-3-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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]
Inspector's Signature

Commissions NC 978

Date 11-3-2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/14/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98626361-05

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE-62112

Expiration Date N/A4 Identification of System NF- Ice Condenser Refrigeration SysClass B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	Bolting	Duke Power Co.	NA	NA	Threaded Rod- SA193 Hex Nuts-SA194 Bonnet Bolt for 2NF-228A	NA	Replacement	No
B							-	-
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Rebuild Valve 2NF-228A_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt ☒
Pressure psig Test Temp. deg.F.

9. Remarks _ Code Cases _NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L Smith TECH SPEC Date 12/14, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 10-6-04 to 12-14-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McNeil
Inspector's Signature

Commissions NC 978

Date 12-14, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/14/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98626362-05

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE-62112

Expiration Date N/A4 Identification of System NF- Ice Condenser Refrigeration Sys

Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Bolting	Duke Power Co.	NA	NA	Threaded Rod- SA193 Hex Nuts-SA194 Bonnet Bolt for 2NF-234A	NA	Replacement	No
B							-	-
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Rebuild Valve 2NF-234A_

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

9. Remarks _ Code Cases _ NONE _

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Robert L Smith TECH SPEC Date 12/14, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 12-9-04 to 12-14-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Hill
Inspector's Signature

Commissions NC 978

Date 12-9, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/27/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98631591-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE62293

Expiration Date N/A

4 Identification of System

Class B

BB STEAM GERATOR BLOWDOWN SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Pipe	Duke Power Co.	C-2BB	155	2" Pipe- SA376	NA	Replacement	No
B	Pipe Welds	Duke Power Co.	C-2BB	155	Weld #2BB61-21 2BB61-23	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Replace Valve 2BB-17_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 1075 psig Test Temp. 544 deg.F.

9. Remarks _ Code Cases __N-416-2 USING SECT. III 1992 NDE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Sita TECH SPEC Date 10/27, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 3-1-04 to 10-26-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Lill
Inspector's Signature

Commissions NC 978

Date 11-4, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/5/04

Sheet 1 of 1

Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98639181-03

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System NC REACTOR COOLANT SYSTEM

Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	Snubber	PSA3	19938	NA	2-R-NC-1520	1981	Replaced	Yes
B	Snubber	PSA3	42182	NA	2-R-NC-1520	2002	Replaced	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 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 R/R Snubber 2 R-NC 1520 for Testing

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt ☒
Pressure psig Test Temp. deg.F.

9. Remarks _ Code Cases _ NONE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. STA
Owner or Owner's Designee, Title

TECH SPEC Date 10/5, 2004

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-25-04 to 10-6-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McEliv
Inspector's Signature

Commissions NC 978

Date 10-6, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/19/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98639181-05

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System NC REACTOR COOLANT SYSTEMClass A

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Snubber	Lisega	61344/41	NA	2-R-NC-1680	1996	Replaced	Yes
B	Snubber	Lisega	04616316/10	NA	2-R-NC-1680	NA	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 R/R S/R 2/R/NC/1680

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt ☒
Pressure psig Test Temp. deg.F.

9. Remarks Code Cases NONE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith TECH SPEC Date 10/19, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-22-04 to 10-20-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Smith

Inspector's Signature

Commissions NC 978

Date 10-20, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/5/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98639181-12

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

NV CNEMICAL VOLUME CONTROL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	Snubber	PSA1	8245	NA	2-R-NV-1905	1979	Replaced	Yes
B	Snubber	PSA1	41726	NA	2-R-NV-1905	2000	Replaced	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 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 R/R Snubber 2-R-NV-1905 for Testing

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt ☒
Pressure psig Test Temp. deg.F.

9. Remarks _ Code Cases _ NONE _

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed

Robert L. Smith
Owner or Owner's Designee, Title

TECH SPEC

Date

10/5 20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-22-04 to 10-5-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert L. Smith
Inspector's Signature

Commissions NC 978

Date 10-6 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/8/04

Sheet 1 of 1

Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98639695-02,03

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System NC REACTOR COOLANT SYSTEMClass A

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	VALVE	DRESSER	BS-02872		2NC-2	1979	Replaced	Yes
B	VALVE	DRESSER	BS-02868		2NC-2	1979	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 VALVE REPLACEMENT

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☒
Pressure 2237 psig Test Temp. 652 deg.F.

9. Remarks Code Cases NONE

(Applicable Manufacturers Data Records to be attached)

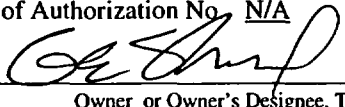
CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

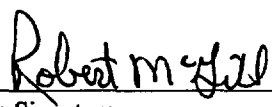
Signed  TECH SPEC Date 12/8, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 10-14-04 to 12-9-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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 978

Date 12-9, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 11/17/04

Sheet of

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98639695-04

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System NC REACTOR COOLANT SYSTEM

Class A

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Pivot Pin	Anvil International	NA	NA	S/R 2-R-NC-1691	NA	Replacement	No
B							-	-
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Restore Hanger 2-R-NC-1691_

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

9. Remarks _ Code Cases _ NONE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. S. A. TECH SPEC Date 11/17, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-14-04 to 11-18-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McNeil
Inspector's Signature

Commissions NC 978

Date 11-18, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/14/04

Sheet 1 of 1

Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98639721-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

ND RESIDUAL HEAT REMOVAL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Dresser	TD89405	423	2ND-03	1978	Replaced	Yes
B	Valve	Dresser	TD89407	412	2ND-03	1978	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Replace Valve 2ND-03_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 329 psig Test Temp. 169 deg.F.

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L Smith TECH SPEC Date 12/14, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-25-04 to 12-14-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Hill
Inspector's Signature

Commissions NC 978

Date 12-14, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/07/04

Sheet 1 of 1

Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98639722-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

ND RESIDUAL HEAT REMOVAL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Dresser	TJ33992	1881	2ND-031	1984	Replaced	Yes
B	Valve	Dresser	TG80194	189	2ND-031	1986	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Replace Valve 2ND-031__

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 501 psig Test Temp. 168 deg.F.

9. Remarks _ Code Cases _NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paulton L Smith TECH SPEC Date 12/7, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-26-04 to 12-7-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McGill
Inspector's Signature

Commissions NC 978

Date 12-7, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/07/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98639723-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

ND RESIDUAL HEAT REMOVAL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Dresser	TD89391	467	2ND-035	1978	Replaced	Yes
B	Valve	Dresser	TD89392	468	2ND-035	1978	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Replace Valve 2ND-035_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 540 psig Test Temp. 174 deg.F.

9. Remarks _ Code Cases _NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed [Signature] TECH SPEC Date 12/7, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-28-04 to 12-7-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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]
Inspector's Signature

Commissions NC 978

Date 12-7, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/7/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98639724-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

ND RESIDUAL HEAT REMOVAL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	VALVE	DRESSER	TD89406	411	2ND-38	1978	Replaced	Yes
B	VALVE	DRESSER	TG80193	1902	2ND-38	1986	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 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 VALVE REPLACEMENT

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☒
Pressure 330 psig Test Temp. 160 deg.F.

9. Remarks Code Cases NONE

(Applicable Manufacturers Data Records to be attached)

CERTIFICATE OF COMPLIANCE

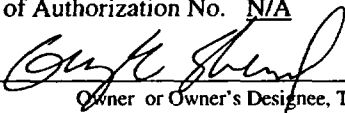
We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed


Owner or Owner's Designee, Title

TECH SPEC

Date

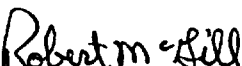
12/9, 20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-22-04 to 12-9-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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 978

Date 12-9, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/07/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98639725-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

ND RESIDUAL HEAT REMOVAL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Dresser	TG33991	1859	2ND-064	1984	Replaced	Yes
B	Valve	Dresser	TD89412	312	2ND-064	1978	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Replace Valve 2ND-064_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
 Pressure 498 psig Test Temp. 172 deg.F.

9. Remarks _ Code Cases _ NONE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith TECH SPEC Date 12/7, 2004
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-18-04 to 12-7-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Lill
 Inspector's Signature

Commissions NC 978

Date 12-7, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/14/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98639915-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

NV CNEMICAL VOLUME CONTROL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Dresser	TD89548	475	Valve tag 2NV-223	1978	Replaced	Yes
B	Valve	Dresser	TG80198	1914	Valve tag 2NV-223	1986	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Replace Valve 2NV-223_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 18.9 psig Test Temp. 85 deg.F.

9. Remarks _Code Cases _NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Stettin TECH SPEC Date 10/14, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-28-04 to 10-21-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Livi
Inspector's Signature

Commissions NC 978

Date 10-21, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/13/04

Sheet 1 of 1

Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98639916-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

NV CNEMICAL VOLUME CONTROL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Dresser	TG80200	1915	Valve tag 2NV-273	1986	Replaced	Yes
B	Valve	Dresser	TD89396	1978	Valve tag 2NV-273	1978	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Replace Valve 2NV-273_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 207 psig Test Temp. 86.6 deg.F.

9. Remarks _ Code Cases _NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Stettin TECH SPEC Date 10/13, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-27-04 to 10-22-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Stettin
Inspector's Signature

Commissions NC 978

Date 10-22, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/28/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98639930-10

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System SM MAIN STEAM SYSTEM

Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Bolt	Westinghouse	NA	NA	Bolt- SA193 for Steam Generator "2B" Manway Cover FM-B, AC-B	NA	Replacement	No
B							-	-
C							-	-
D							-	-
E							-	-
F							-	-

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 reports included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

7. Description of Work Install Upper Access Covers_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt ☒
Pressure psig Test Temp. deg.F.

9. Remarks _ Code Cases _ NONE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paulton L. S. A. TECH SPEC Date 10/28, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 10-12-04 to 11-3-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McMill
Inspector's Signature

Commissions NC 978

Date 11-3, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/28/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98639958-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System SM MAIN STEAM SYSTEM

Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Bolt	Westinghouse	NA	NA	Rod- SA193, Hex Nut-SA194 for Steam Generator "2D" Manway Cover #2	NA	Replacement	No
B	Manway Cover	Westinghouse	NA	NA	Steam Generator "2D" Secondary Manway Cover	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 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 R/R SG Manway Cover_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 1080.8 psig Test Temp. 430 deg.F.

9. Remarks _ Code Cases _ NONE _____

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul D. Smith TECH SPEC Date 10/28, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 10-8-04 to 11-3-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McEliv
Inspector's Signature

Commissions NC 978

Date 11-3, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/4/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98640008-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

SV MAIN STEAM VENT TO ATMOSPHERE

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve Disc	Dresser	AAL-55	NA	Valve tag 2SV-009	NA	Replaced	No
B	Valve Disc	Dresser	ADF-08	NA	Valve tag 2SV-009	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Refurbish Valve 2SV-009_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt ☒
Pressure psig Test Temp. deg.F.

9. Remarks _ Code Cases _NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. S. S. TECH SPEC Date 10/4, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-23-04 to 10-8-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. S. S.
Inspector's Signature

Commissions NC 978

Date 10-8, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/4/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98640009-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

SV MAIN STEAM VENT TO ATMOSPHERE

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve Disc	Dresser	AAH-93	NA	Valve tag 2SV-012	NA	Replaced	No
B	Valve Disc	Dresser	ADF-06	NA	Valve tag 2SV-012	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Refurbish Valve 2SV-012_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt ☒
Pressure psig Test Temp. deg.F.

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith TECH SPEC Date 10/4, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-22-04 to 10-8-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McGill
Inspector's Signature

Commissions NC 978

Date 10-8, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 9/30/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98640010-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

SV MAIN STEAM VENT TO ATMOSPHERE

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	Disc	Dresser	AAH-35	NA	Valve tag 2SV-14	NA	Replaced	No
B	Disc	Dresser	ADF-04	NA	Valve tag 2SV-14	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Refurbish Valve 2SV-14_

8. Test Conducted: Hydrostatic ☐ Pressure psig Pneumatic ☐ Test Temp. deg.F. Nominal Operating Pressure ☐ Other ☐ Exempt ☒

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed

Paul L. Smith
Owner or Owner's Designee, Title

TECH SPEC

Date

9/30, 2004

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-20-04 to 10-4-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert Mayfield
Inspector's Signature

Commissions NC 978

Date 10-4, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/4/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98640011-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

SV MAIN STEAM VENT TO ATMOSPHERE

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve Disc	Dresser	AAH-47	NA	Valve tag 2SV-015	NA	Replaced	No
B	Valve Disc	Dresser	ADF-05	NA	Valve tag 2SV-015	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Refurbish Valve 2SV-015_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt ☒
Pressure psig Test Temp. deg.F.

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed

Paul L. STA
Owner or Owner's Designee, Title

TECH SPEC

Date

10/4, 20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-22-04 to 10-8-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McGee
Inspector's Signature

Commissions NC 978

Date

10-8, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/4/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98640012-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

SV MAIN STEAM VENT TO ATMOSPHERE

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve Disc	Dresser	AAH-38	NA	Valve tag 2SV-017	NA	Replaced	No
B	Valve Disc	Dresser	ADF-07	NA	Valve tag 2SV-017	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Refurbish Valve 2SV-017_

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

9. Remarks _ Code Cases _ NONE _

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed

Paul L. Stitt
Owner or Owner's Designee, Title

TECH SPEC

Date

10/4, 20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-20-04 to 10-8-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert Magill
Inspector's Signature

Commissions NC 978

Date 10-8, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/7/04

Sheet 1 of 1

Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98640781-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

NV CNEMICAL VOLUME CONTROL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	VALVE	DRESSER	TD89402		2NV-87	1978	Replaced	Yes
B	VALVE	DRESSER	TD89401		2NV-87	1978	Replacement	Yes
C	BOLTING	NA	NA	NA	Rod, threaded, 5/8" SA 193, Gr B7	NA	New	No
D							-	-
E							-	-
F							-	-

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 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 VALVE REPLACEMENT_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☒
Pressure 40 psig Test Temp. 96 deg.F.

9. Remarks _ Code Cases _NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed [Signature] TECH SPEC Date 12/13, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-16-04 to 12-9-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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]
Inspector's Signature

Commissions NC 978

Date 12-9, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/15/04

Sheet 1 of 2 *666*
*12/15/04*Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98641315-20

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # 21446/001

Expiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEM Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Pipe/Fittings	Duke Power Co.	C-2NS	170	2" Cap-SA105,*"Flg.-SA182,2"X1" Red. SA182,2"Cplg-SA182,10X4 Red	NA	New	No
B					8X4 Red-SA403 2" Pipe-SA376,90ell-SA182, 10"Pipe-SA376,4"45Ell SA403		-	-
C					4"Pipe SA403,10" 90Ell SA403, 10" Tee SA403, 10"X8" Red SA403		-	-
D	Pipe Welds	Duke Power Co.	C-2NS	170	Weld# 2NS78-18,19,20,21,24,25,26,27, 2NS39-25 thru 34, 2NS34-9 thru 11	2004	New	No
E					2NS52-26 thru 31,34,37, BMR-1		-	-
F							-	-

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/15/04

Sheet 2 of 2Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98641315-20

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # 21446/01

Expiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEM Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Kerotest	NU11-1	13910	2NS-89	1977	Replaced	Yes
B	Valve	BNL Industries	A981103-9-73	NA	2NS-89	2002	Replacement	Yes
C	Valve	Kerotest	TEF1-16	17089	2NS-90	1977	Replaced	Yes
D	Valve	BNL Industries	A981103-9-72	NA	2NS-90	2002	Replacement	Yes
E							-	-
F							-	-

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 included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

7. Description of Work Install NS Piping to NS Heat Exchanger 2A_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 250 psig Test Temp. 89.2 deg.F.

9. Remarks _ Code Cases _ N-416-2 USING SECT. III 1992 NDE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L Smith TECH SPEC Date 12/15, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 7-1-04 to 12-29-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert Michel
Inspector's Signature

Commissions NC 978

Date 12-29, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/27/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98641315-28

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # 21446/01

Expiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEMClass B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Bolting	Duke Power Co.	NA	NA	Containment Spray Heat Exchanger "2A" Manway Cover	NA	Replacement	No
B							-	-
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Close NS HX Manway_

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

9. Remarks _ Code Cases _ NONE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith TECH SPEC Date 10/27, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 10-11-04 to 10-27-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McMill
Inspector's Signature

Commissions NC 978

Date 10-27, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/14/04

Sheet 1 of 3

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 29745

3a Work Order # 98641315-29

3. Work Performed By Duke Power Company

3b NSM or MN # 21446/01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/AExpiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEM Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	Heat Exchanger	YUBA	74-N-009-2A	330	Containment Spray Heat Exchanger "2A"	1978	Replaced	Yes
B	Heat Exchanger	Joseph Oat Corp.	2636A	3448	Containment Spray Heat Exchanger "2A"	2004	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/14/04

Sheet 2 of 3Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98641315-29

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # 21446/01

Expiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEMClass NF

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Sway Strut	Anvil International	41-63740/ 2004-955	NA	2-E-NS-0102	2004	New	Yes
B	Sway Strut	Anvil International	41-63740/ 2004-953	NA	2-E-NS-0102	2004	New	Yes
C	Sway Strut	Anvil International	41-63740/ 2004-952	NA	2-E-NS-0102	2004	New	Yes
D	Sway Strut	Anvil International	41-63740/ 2004-954	NA	2-E-NS-0102	2004	New	Yes
E	Sway Strut	Anvil International	41-98-52-02/ 1992-328	NA	2-E-NS-102	2004	New	Yes
F	Bracket/Pipe Clamps	Anvil International	NA	NA	2-E-NS-0102	NA	New	No

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/14/04

Sheet **3** of 3Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98641315-29

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # 21446/01

Expiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEMClass NF

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Welds	Duke Power Co.	C-2NS	170	Weld #2-E-NS-0102-1 thru 8	2004	New	No
B							-	-
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Replace NS Heat Exchanger "2A" _

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 250 psig Test Temp. 89.2 deg.F.

9. Remarks _ Code Cases _N-416-2 USING SECT. III 1992 NDE_Functional completed on tasks 37 and 35.

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paulton L Smith TECH SPEC Date 12/15, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 7-27-04 to 12-27-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Hill
Inspector's Signature

Commissions NC 978

Date 12-27, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 9/26/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98641914-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

SV MAIN STEAM VENT TO ATMOSPHERE

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Disc	Dresser	AAL-68	NA	Valve 2SV-006	NA	Replaced	No
B	Disc	Dresser	ADF-02	NA	Valve 2SV-006	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Replace Disc for Valve 2SV006_

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

9. Remarks _ Code Cases _NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. S. H. TECH SPEC Date 9/26, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-14-04 to 9-27-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Hall
Inspector's Signature

Commissions NC 978

Date 9-27, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 9/30/04

Sheet 1 of 1

Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98641963-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

SV MAIN STEAM VENT TO ATMOSPHERE

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Disc	Dresser	AAH-79	NA	Valve tag 2SV-2	NA	Replaced	No
B	Disc	Dresser	ADF-15	NA	Valve tag 2SV-2	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Refurbish Valve 2SV-2_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt ☒
Pressure psig Test Temp. deg.F.

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith TECH SPEC Date 9/30, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-15-04 to 10-4-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Smith
Inspector's Signature

Commissions NC 978

Date 10-4, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 9/26/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98641967-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

SV MAIN STEAM VENT TO ATMOSPHERE

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Disc	Dresser	AAH-84	NA	For valve 2SV-23	NA	Replaced	No
B	Disc	Dresser	ADE-98	NA	For valve 2SV-23	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Replace Disc for Valve 2SV-23_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt ☒
Pressure psig Test Temp. deg.F.

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith TECH SPEC Date 9/26, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-14-04 to 9-27-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Gull
Inspector's Signature

Commissions NC 978

Date 9-27, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 11/02/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98641969-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System SM MAIN STEAM SYSTEM

Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Atwood-Morrill Co.	7-13000	NA	Repair by welding to valve 2SM-001 Poppet Guide Pin and Guide Pad	1978	Repaired	Yes
B							-	-
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Refurbished Valve 2SM-001_

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

9. Remarks _ Code Cases _N-416-2 USING SECT. III 1992 NDE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith TECH SPEC Date 11/02, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-1-04 to 11-2-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McElwain
Inspector's Signature

Commissions NC 978

Date 11-2, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/4/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98641969-07

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System SM MAIN STEAM SYSTEM

Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve 2SM-1	A&M	7-13000	NA	Base metal Repair	1971/72	Repaired	Yes
B							-	-
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Refurbish Valve 2SM001_

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

9. Remarks _ Code Cases _ N-416-2 USING SECT. III 1992 NDE_

Repair was perform by Continental Field Sys. _____

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith TECH SPEC Date 10/4, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-1-04 to 10-8-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Smith
Inspector's Signature

Commissions NC 978

Date 10-8, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/13/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98642541-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System NI SAFETY INJECTION SYSTEMClass B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Dresser	TG80188	1891	Valve tag 2NI-119	1986	Replaced	Yes
B	Valve	Dresser	TD89439	478	Valve tag 2NI-119	1978	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Replace Valve 2NI-119_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 1010 psig Test Temp. 86.4 deg.F.

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L. Smith TECH SPEC Date 10/13, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-21-04 to 10-22-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert Smith

Inspector's Signature

Commissions NC 978

Date 10-22, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 11/13/04

Sheet 1 of 1

Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98642543-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System NI SAFETY INJECTION SYSTEM

Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	VALVE	DRESSER	TD89436	421	2NI151	1978	Replaced	Yes
B	VALVE	DRESSER	TD89437	422	2NI151	1978	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 VALVE 2NI151_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 900 psig Test Temp. 86 deg.F.

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers Data Records to be attached)

CERTIFICATE OF COMPLIANCE

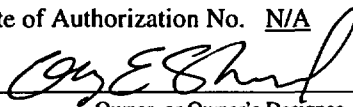
We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed



TECH SPEC

Date

10/13, 20 04

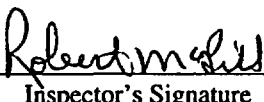
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-22-04 to 10-22-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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 978

Date 10-22, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/14/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98642546-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System NI SAFETY INJECTION SYSTEM

Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Dresser	TH38275	1941	Valve tag 2NI-161	1989	Replaced	Yes
B	Valve	Dresser	TD89434	419	Valve tag 2NI-161	1978	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Replace Valve 2NI-161_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 1010 psig Test Temp. 86.4 deg.F.

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed

Paul L. S. A.
Owner or Owner's Designee, Title

TECH SPEC

Date

10/14, 20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 10-SEP-04 to 10-21-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Gill
Inspector's Signature

Commissions NC 978

Date 10-21, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/14/04

Sheet of

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98642548-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

NV CNEMICAL VOLUME CONTROL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Dresser	TH-16148	1940	Valve 2NV-14	1988	Replaced	Yes
B	Valve	Dresser	TJ-18506	1953	Valve 2NV-14	1992	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Replace Valve 2NV-14_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 331 psig Test Temp. 282 deg.F.

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L Smith TECH SPEC Date 12/14, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-30-04 to 12-14-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert McMill
Inspector's Signature

Commissions NC 978

Date 12-14, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/14/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98642549-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

NV CNEMICAL VOLUME CONTROL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve	Dresser	TE03783	578	Valve tag 2NV-222	1978	Replaced	Yes
B	Valve	Dresser	TG80175	1928	Valve tag 2NV-222	1986	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Replace Valve 2NV-222_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 207 psig Test Temp. 86.6 deg.F.

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed

Paul L. Stettin
Owner or Owner's Designee, Title

TECH SPEC

Date

10/14, 20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-24-04 to 10-21-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Stettin

Inspector's Signature

Commissions NC 978

Date 10-21, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 9/26/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98655501-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CNCE-62339

Expiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEM Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Bolting	NA	NA	NA	Bolt- SA193 GrB7 for Containment Spray Pump 2B	NA	Replaced	No
B	Bolting	NA	NA	NA	Bolt- SA564 Type 630 for Containment Spray Pump 2B	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Replace Bolting on Containment Spray Pump 2B_

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

9. Remarks _ Code Cases _ NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed

Paul L. STA
Owner or Owner's Designee, Title

TECH SPEC

Date

9/26, 20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-1-04 to 9-27-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Hill
Inspector's Signature

Commissions NC 978

Date 9-27, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 12/06/04

Sheet of

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98668677-04

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # CE62362

Expiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEMClass B5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Pipe/Fittings	Duke Power Co.	C-2NS	150	12x8 Red-SA403 12" Tee-SA403 8" Blind Flg-SA182 2" Pipe-SA376	NA	New	No
B					2" Cplg.-SA182 8" Tee-SA403 12" Flg.-SA182 12" Pipe-SA312		-	-
C	Bolting	Duke Power Co.	NA	NA	Threaded Rod-SA193 Hex Nuts- SA194	NA	New	No
D	Pipe Welds	Duke Power Co.	C-2NS	150	Welds #2NS2-21,22,23 2NS38-7,8,10, 11,16,14,22,23,24,25	2004	New	No
E							-	-
F							-	-

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 reports included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

7. Description of Work Install Piping for NS Full Flow Test._

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 237 psig Test Temp. 83.5 deg.F.

9. Remarks _ Code Cases __N-416-2 USING SECT. III 1992 NDE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed

Paul L. Smith
Owner or Owner's Designee, Title

TECH SPEC

Date

12/6, 2004

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 8-23-04 to 12-7-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Shel
Inspector's Signature

Commissions NC 978

Date 12-7, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 11/18/04

Sheet 1 of 2 *Cons 11/18/04*Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98669215

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A3b NSM or MN # CNCE-62362Expiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEMClass B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Bolting	NA	NA	NA	7/8", 1" and 1-1/8" Rod, SA-193 Gr 7, Hex Nuts SA-194 Gr7	NA	New	No
B	Pipe Welds	Duke Power Co.	C-2NS	150	Weld#s 2NS31-3,4,5,6,7,10,12,18,19,21,22,23, 20 <i>Cons 11/22/04</i> Weld#s 2NS53- 54,55,56	2004	New	No
C	Pipe/Fittings	Duke Power Co.	C-2NS	150	8" Blind flange SA-182, F-304, 10" Blind flange SA-182, F-304		<i>New 11/18/04</i>	<i>No</i>
D					10" Tee, SA-403 WP-304, 10" Flange-SA-182, F304, 12" Flange SA-182, F-304		-	-
E					8" Flange, SA-182, F-304 12" X8" Con. Reducer-SA-403, WP-304		-	-
F					12" 90ELLS SA-403, WP-304, 2" 90ELL-SA-182, F-304, 2" HPLG SA-182, F-304		-	-

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 11/18/04

Sheet ~~1 of 1~~ *Call 11/18/04*
2 of 2Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98669215

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A3b NSM or MN # CNCE-62362Expiration Date N/A4 Identification of System NS CONTAINMENT SPRAY SYSTEM Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Pipe/Fittings	Duke Power Co.	C-2NS	150	2" Pipe -SA-376,TP-304 12" Pipe -SA-312,TP-304		New	<i>No</i> <i>et 11/18/04</i>
B							-	-
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Implementation of MOD CNCE62362_

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt ☐
Pressure 250 psig Test Temp. 83.5 deg.F.

9. Remarks _ Code Cases _N-416-2 USING SECT. III 1992 NDE

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed [Signature] TECH SPEC Date 11/10/, 2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 8-23-04 to 11-22-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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]
Inspector's Signature

Commissions NC 978

Date 11-22, 2004

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 11/29/04

Sheet of

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98679862-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A4 Identification of System FW REFUELING WATER SYSTEM

Class B

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Bolting	Duke Power Co.	NA	NA	Threaded Rod- SA193 Hex Nuts- SA194	NA	Replacement	No
B							-	-
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Replace Bolting on FWST Flanged Connections._

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

9. Remarks _ Code Cases _ NONE _

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed Paul L Smith TECH SPEC Date 11/29, 20 04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 11-9-04 to 12-6-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Hall
Inspector's Signature

Commissions NC 978

Date 12-6, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/4/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98691038-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

SV MAIN STEAM VENT TO ATMOSPHERE

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	Valve Disc	Dresser	ADE-94	NA	Valve tag 2SV-008	NA	Replaced	No
B	Valve Disc	Dresser	ADF-09	NA	Valve tag 2SV-008	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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 reports 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 Refurbish Valve 2SV-008_

8. Test Conducted: Hydrostatic ☐ Pressure Pneumatic ☐ psig Nominal Operating Pressure ☐ Test Temp. deg.F. Other ☐ Exempt ☒

9. Remarks _ Code Cases _NONE_

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed

Paul L. Lott
Owner or Owner's Designee, Title

TECH SPEC

Date 10/4, 20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-24-04 to 10-8-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Lott

Inspector's Signature

Commissions NC 978

Date 10-8, 20 04

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY

1a Date 10/18/04

Sheet 1 of 1

Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-10062. Plant CATAWBA NUCLEAR STATION2a Unit ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify Units ☐)Address 4800 CONCORD RD. YORK, S.C. 297453. Work Performed By Duke Power Company

3a Work Order # 98694269-01

Address 526 S. Church St. Charlotte, N.C. 28201-1006Type Code Symbol Stamp N/A Authorization No. N/A

3b NSM or MN # NA

Expiration Date N/A

4 Identification of System

Class B

NV CNEMICAL VOLUME CONTROL SYSTEM

5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code Cases _____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (yes or no)
A	U Bolt	Anvil International	NA	NA	S/R 2-R-NV-1186	NA	Replacement	No
B							-	-
C							-	-
D							-	-
E							-	-
F							-	-

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 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 Replace U-Bolt for 2-R-NV-1186 _

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

9. Remarks _ Code Cases _ NONE _

(Applicable Manufacturers 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Expiration Date N/A

Certificate of Authorization No. N/A

Signed

Paul L. Smith
Owner or Owner's Designee, Title

TECH SPEC

Date

10/18

, 20 04

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 10-14-04 to 10-20-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in this Owners 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.

Robert M. Lill
Inspector's Signature

Commissions NC 978

Date 10-20, 20 04

6.0 Pressure Testing

Table 6-1 shows the number of ISI Class 1 (Category B-E / Category B-P) and ISI Class 2 (Category C-H) pressure tests completed for refueling cycle 2EOC13.

Table 6-1 Outage Specific Summary		
Examination Category	Test Requirement	Total Completed 2EOC13
B-E	Performed During Conduct of the System Hydrostatic Test (IWB-5222)	1
B-P	System Hydrostatic Test (IWB-5222) Includes Category B-E Examination	12
C-H	System Functional/Inservice Test (IWC-5221)	0
C-H	System Hydrostatic Test (IWC-5222)	17

Section 6 Prepared By:	Date:
<i>Jim Baughman</i>	<i>12/7/04</i>

Section 6 Reviewed By:	Date:
<i>T.E. Hardin</i>	<i>12/7/04</i>

Table 6-2 shows a completion status of pressure tests conducted during the third period of the second ten-year interval.

Table 6-2 Period Specific Summary				
Examination Category	Test Requirement	Total Examinations Required For This Period	Total Examinations Credited For This Period	(%) Examinations Complete For This Period
B-E	System Hydrostatic Test (IWB-5222)	1	1	100%
B-P	System Leakage Test (IWB-5221)	0	0	0%
B-P	System Hydrostatic Test (IWB-5222)	12	12	100%
C-H	System Inservice/Functional Test (IWC-5221)	0	0	0%
C-H	System Hydrostatic Test (IWC-5222)	33	17	51.52%

Table 6-3 shows a completion status of the 11 - Class 1 (Category B-E/B-P) pressure test zones conducted during refueling cycle 2EOC13.

Table 6-3 Detailed Class 1 Listing					
	Zone Number	Boundary Dwg	2EOC13 Completion Status	Test Type	2EOC13 VT-2 Examination Date
1	2MJ-001H-A	CN-ISIH-2553-1.0 CN-ISIH-2553-1.1 CN-ISIH-2554-1.0 CN-ISIH-2562-1.1 CN-ISIH-2562-1.2	Complete Complete Complete Complete Complete	Hydrostatic Hydrostatic Hydrostatic Hydrostatic Hydrostatic	10/22/04 10/22/04 10/22/04 10/22/04 10/22/04
2	2NC-001H-A	CN-ISIH-2553-1.0 CN-ISIH-2553-1.1 CN-ISIH-2554-1.0 CN-ISIH-2554-1.5 CN-ISIH-2561-1.0 CN-ISIH-2561-1.1 CN-ISIH-2562-1.0 CN-ISIH-2562-1.1 CN-ISIH-2562-1.2 CN-ISIH-2562-1.3 CNM-1201.01-66 CNM-1201.14-51/3 CNM-2201.01-74/7	Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete	Hydrostatic Hydrostatic Hydrostatic Hydrostatic Hydrostatic Hydrostatic Hydrostatic Hydrostatic Hydrostatic Hydrostatic Hydrostatic Hydrostatic Hydrostatic Hydrostatic	10/22/04 10/22/04 10/22/04 10/22/04 10/22/04 10/22/04 10/22/04 10/22/04 10/22/04 10/22/04 10/22/04 10/22/04 10/22/04 10/22/04
3	2NC-002H-A	CN-ISIH-2553-1.0	Complete	Hydrostatic	10/22/04
4	2NC-003H-A	CN-ISIH-2553-1.1	Complete	Hydrostatic	10/19/04
5	2NC-004H-A	CN-ISIH-2554-1.0	Complete	Hydrostatic	10/22/04
6	2NC-005H-A	CN-ISIH-2554-1.0	Complete	Hydrostatic	10/18/04
7	2NC-006H-A	CN-ISIH-2554-1.0	Complete	Hydrostatic	09/11/04
8	2NC-007H-A	CN-ISIH-2561-1.0	Complete	Hydrostatic	10/18/04
9	2NC-008H-A	CN-ISIH-2561-1.1	Complete	Hydrostatic	10/18/04
10	2NC-009H-A	CN-ISIH-2562-1.0	Complete	Hydrostatic	10/22/04
11	2NC-010H-A	CN-ISIH-2562-1.2	Complete	Hydrostatic	10/21/04
12	2NC-011H-A	CN-ISIH-2562-1.2	Complete	Hydrostatic	10/21/04

Table 6-4 shows a completion status of the 16 - Class 2 (Category C-H) hydrostatic pressure test zones completed during refueling cycle 2EOC13.

Table 6-4 Detailed Class 2 Listing

	Zone Number	Boundary Dwg	2EOC13 Completion Status	Test Type	2EOC13 VT-2 Examination Date
1	2BB-001H-B	CN-ISIH-2565-2.6	Complete	Hydrostatic	10/22/04
		CN-ISIH-2572-1.4	Complete	Hydrostatic	10/22/04
		CN-ISIH-2580-1.0	Complete	Hydrostatic	10/22/04
		CN-ISIH-2584-1.0	Complete	Hydrostatic	10/22/04
2	2CA-001H-B	CN-ISIH-2584-1.0	Complete	Hydrostatic	10/22/04
		CN-ISIH-2591-1.1	Complete	Hydrostatic	10/22/04
		CN-ISIH-2592-1.1	Complete	Hydrostatic	10/22/04
		CN-ISIH-2593-1.0	Complete	Hydrostatic	10/22/04
		CN-ISIH-2593-1.1	Complete	Hydrostatic	10/22/04
		CN-ISIH-2593-1.7	Complete	Hydrostatic	10/22/04
3	2NC-005H-B	CN-ISIH-2553-1.0	Complete	Hydrostatic	10/22/04
		CN-ISIH-2572-1.0	Complete	Hydrostatic	10/22/04
4	2NC-006H-B	CN-ISIH-2553-1.1	Complete	Hydrostatic	10/22/04
		CN-ISIH-2572-1.0	Complete	Hydrostatic	10/22/04
5	2ND-001H-B	CN-ISIH-2561-1.1	Complete	Hydrostatic	10/18/04
		CN-ISIH-2562-1.2	Complete	Hydrostatic	10/18/04
		CN-ISIH-2562-1.3	Complete	Hydrostatic	10/18/04
		CN-ISIH-2563-1.0	Complete	Hydrostatic	10/18/04
		CN-ISIH-2571-1.0	Complete	Hydrostatic	10/18/04
		CN-ISIH-2572-1.0	Complete	Hydrostatic	10/18/04
6	2ND-002H-B	CN-ISIH-2561-1.0	Complete	Hydrostatic	10/18/04
		CN-ISIH-2561-1.1	Complete	Hydrostatic	10/18/04
		CN-ISIH-2562-1.2	Complete	Hydrostatic	10/18/04
		CN-ISIH-2562-1.3	Complete	Hydrostatic	10/18/04
		CN-ISIH-2563-1.0	Complete	Hydrostatic	10/18/04
		CN-ISIH-2571-1.0	Complete	Hydrostatic	10/18/04

	Zone Number	Boundary Dwg	2EOC13 Completion Status	Test Type	2EOC13 VT-2 Examination Date
6	2ND-002H-B	CN-ISIH-2572-1.0	Complete	Hydrostatic	10/18/04
7	2ND-003H-B	CN-ISIH-2554-1.0	Complete	Hydrostatic	10/18/04
		CN-ISIH-2561-1.0	Complete	Hydrostatic	10/18/04
8	2ND-004H-B	CN-ISIH-2554-1.7	Complete	Hydrostatic	10/13/04
		CN-ISIH-2561-1.0	Complete	Hydrostatic	10/13/04
9	2NI-001H-B	CN-ISIH-2562-1.1	Complete	Hydrostatic	10/22/04
		CN-ISIH-2572-1.1	Complete	Hydrostatic	10/22/04
10	2NI-002H-B	CN-ISIH-2562-1.1	Complete	Hydrostatic	10/20/04
		CN-ISIH-2562-1.2	Complete	Hydrostatic	10/20/04
11	2NI-004H-B	CN-ISIH-2562-1.3	Complete	Hydrostatic	10/10/04
12	2NI-006H-B	CN-ISIH-2562-1.2	Complete	Hydrostatic	10/22/04
13	2NI-007H-B	CN-ISIH-2562-1.2	Complete	Hydrostatic	10/10/04
14	2NI-008H-B	CN-ISIH-2562-1.2	Complete	Hydrostatic	10/10/04
15	2NI-010H-B	CN-ISIH-2562-1.0	Complete	Hydrostatic	10/10/04
16	2NV-001H-B	CN-ISIH-2554-1.0	Complete	Hydrostatic	10/22/04
		CN-ISIH-2554-1.5			
		CN-ISIH-2554-1.8			
17	2NV-008H-B	CN-ISIH-2554-1.0	Complete	Hydrostatic	10/22/04
		CN-ISIH-2554-1.2			